HOW TO BUY A VCR
CHOOSING A CAMCORDER

Specs, Features, and Prices of VCR's, Camcorders, Stereo & Projection TV's, Videodisc Players, Combi-Players, and More
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HOOSING a VCR is like horse trading. A horse can set you back a hundred dollars or a million dollars, depending on whether it has been bred to feed the dog or win the Derby. While the cost spread is not as dramatic with VCR's, the price ultimately depends on what you want the deck to do.
If you’re looking for a means of taping the afternoon soaps for evening screening—or Late Night with David Letterman for enjoyment over morning coffee—then a no-frills $300 model may be all you need. But if you’re seeking a centerpiece for your home media room with sound quality approaching that of a CD player, a superb picture, and special effects, then be prepared to spend considerably more. Before we take you down the laundry list—and up the price scale—of features, a word or two about VCR use.

Home video is a curious phenomenon. Surveys show that people set out to buy a VCR mainly for “time shifting”—that is, taping programs for later viewing. Those same surveys also indicate that, despite original buying intentions, people wind up using their VCR’s most frequently to watch rented movies. This isn’t terribly surprising when one considers that today virtually all of Hollywood’s films eventually find their way onto videocassette, and that video rental stores have become more numerous—and convenient—than movie theaters. That’s not to say that VCR owners don’t tape programs. They just tend to find themselves taping much more than they ever have time to watch.

It’s important to evaluate the way you plan to use a VCR as realistically as possible before you begin shopping for one. This is the first step toward choosing a machine that’s right for you—one with features that you’ll use and enjoy. There’s no need to spend money on features you’ll never use.

If you plan to do a lot of time shifting, look for a model that’s easy to program (programming some VCR’s can be a very tedious process). If your main interest is watching movies, a deck with hi-fi sound will bring you a step closer to a theater-like audio experience. If you plan on taping from videodiscs or other high-quality video sources, a Super VHS machine may be the best choice. A Super VHS VCR is also a worthwhile consideration if you think you might be interested in making high-quality home videos at some point.

Which Format?

Home VCR’s are available in three different and mechanically incompatible tape formats. Beta and VHS are the veterans. Both use half-inch tape, have been around for over a decade, and are responsible for the mass acceptance of home video. In the early Eighties, the two formats were rivals, but Beta’s popularity has since waned in the U.S. In the early days of home video, JVC—inventor of the VHS format—aggressively licensed its technology to many manufacturers, while Sony—inventor of Beta—had only a few licenses. Eventually, the marketing momentum of VHS left Beta in the dust. VHS decks now account for nearly the entire market, even though Beta is in many ways technically superior.

While most movie companies are still releasing most (not all) of their films and other programs in both formats, the trend is a rapid decrease in the number of titles released on Beta. And regardless of availability, many video stores have simply stopped carrying Beta tapes. So, if you are interested in watching prerecorded tapes, a VHS-format deck is your safest choice.

There is another side to the tape-rental issue, though. If your local video store is one of those that still stocks Beta tapes, the format’s unpopularity could actually be a plus. If you’re trying to rent a particularly hot film, you may find that while the VHS version is unavailable, the lonely Beta version gathers dust on the shelf. In this case, a Beta machine might make a good second VCR.

The newest video format on the block is 8mm, which derives its name from the 8-millimeter width of the tape it uses. Few, if any, prerecorded 8mm tapes are readily available, making 8mm an unwise choice for those who want to sample the vast library of prerecorded movies. But because both the tape and hardware are so compact, 8mm is finding a niche as a camcorder format for home videos. But even here, 8mm has a rival—a compact version of VHS called VHS-C. Like 8mm, VHS-C camcorders are lightweight, but the format also enjoys the benefit of being compatible with standard VHS decks through the use of an adaptor.

Super Video

Both Beta and VHS formats offer high-end decks that feature an enhanced picture—ED (extended definition) Beta and Super VHS (S-VHS). Both systems offer semicompatible improvements on the original format, using special high-grade tape formulations to produce clearer and sharper images. In terms of horizontal resolution—a rating of picture clarity and detail—Super VHS is capable of producing about 430 lines, ED Beta about 500 lines. This compares to a high of about 240 lines for standard VHS and Beta (as well as 8mm).

Since the present FCC broadcast standard restricts cable and broadcast TV to 330 lines of horizontal resolution, recordings made on standard VHS, Beta, and 8mm VCR’s are of lower quality than the original. But off-the-air recordings made by S-VHS or ED Beta VCR’s can be indistinguishable from the original, with 100 or more lines of horizontal resolution to spare. Both ED Beta and Super VHS machines are “upwardly compatible” with standard Beta and VHS decks, meaning they can play either regular or Super tapes. But tapes recorded in the S-VHS or ED Beta modes can only be played back on a Super machine.

Super VHS may be an excellent choice for at least two reasons: First, the deck will record on and play standard VHS tapes, which is important if you want to swap tapes with friends and rent movies. Second, any taping you do in the S-VHS mode will be as good as
the broadcast signal, and if you play tapes recorded by an S-VHS camcorder, the quality will be better than that. One drawback is the lack of Super VHS prerecorded software. (But remember, you can still play regular VHS tapes.) Only one major Super VHS title—On Golden Pond—has been announced as of this writing. Another VHS enhancement, called HQ (High Quality), is available in half- and full-strength versions; as its benefits are subtle, you should check this feature out for yourself.

Audio Advances

Ironically, one of the most profound advances in home video has occurred not in the picture but in the sound. Although sophisticated VCR’s are able to enhance, digitize, and otherwise manipulate the images they produce, that picture is still inherently limited—at least when it comes to recording broadcast or cable signals, as discussed earlier. The audio side of video, however, is quite a different story. While your basic no-frills VCR plays back audio in mono, VCR’s carrying the VHS

Sanyo’s VH-9100 VHS VCR (above) features a compact chassis and a loading mechanism that reduces the lag time between function modes such as play and rewind. Price: $350.

The drawing card of Akai’s VS-A77U-B VHS VCR is sound quality: The hi-fi deck has a Dolby Surround Sound decoder and 10-watt-per-channel amp. Price: $779.

Hi-Fi or Beta Hi-Fi logo can add a whole new dimension to your viewing experience by providing sound of near-CD quality. Typical hi-fi VCR audio specs give frequency response as 20 to 20,000 Hz ± 1 dB and a dynamic range of 80 dB or greater. Of course, to enjoy improved sonics, the VCR must be connected to a decent audio system and you must play videocassettes with hi-fi soundtracks. Fortunately, the sound quality of many Hollywood films is very good, so soundtracks are routinely transferred to videotape in both hi-fi and linear stereo. Linear stereo, you ask? An improved audio system introduced in VCR’s in the early Eighties, linear stereo (also referred to as Dolby stereo) is a recording process that places a two-channel audio signal on a track at the edge of the videotape. The system was quickly upgraded with the much more sophisticated—and better-sounding—hi-fi recording/playback process. While still available, linear-stereo VCR’s are the exception rather than the rule today.

In addition to transferring hi-fi audio tracks to videotape, many Hollywood studios

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provide another bonus by also passing along Dolby Surround information, which is encoded on the original movie soundtrack and creates the wraparound effect that makes you jump out of your seat in the movie theater when an alien spaceship zooms by. A number of VCR's have built-in surround-sound decoders. (Alternatively, you can use a component surround-sound decoder or one built into an audio receiver.) To enjoy startling, theater-like sonics at home, your sound system must have an additional set of rear speakers.

Experiencing video hi-fi for the first time in the privacy of your home can be amazing. Even audiophiles who are used to superbly realistic-sounding music may be startled by the sound of cattle stampeding across their living room.

Broadcast and cable TV stations also are playing a role in improving the sound of video. A growing number of programs are now broadcast with stereo or—as the trade likes to call it—MTS (multichannel television sound). While MTS doesn't have specs as impressive as those for VHS Hi-Fi, it does provide separate left and right channels, as well as a third "SAP" (separate audio program) channel. The SAP channel could be used to broadcast the soundtrack in another language, for example (although not much of that is being done yet).

The SLV-70HF ($1,100), one of Sony's first VHS-format VCR's, has hi-fi/MTS sound and advanced editing features. Toshiba adds a Super VHS picture to the hi-fi/MTS audio package in its SV-950 ($1,500); programming is done with a light pen and on-screen display.

A VCR with MTS circuitry may be a sensible alternative, especially if your TV is not equipped to receive broadcasts in stereo. In that case, you can bypass your TV's tuner and use the VCR's MTS tuner. Once again, the benefits of stereo TV sound will be apparent only when your VCR is connected to a good-quality audio system. Stereo TV is offered along with hi-fi as part of the audio package in many higher-priced VCR's.

Programming

Programming a VCR—telling it what to record and when—is easy once you learn the specific steps required by a given deck. But VCR's are fairly complex machines, so you must read the instruction manual carefully. Some VCR's have an on-screen programming feature, which simplifies the programming process. Such machines display graphic "prompts" on the TV screen that take you through the programming procedure step by step. Some manufacturers have attempted to simplify the process further with VCR's that can be programmed by using a light pen or bar-code scanner, like the ones used in many supermarkets. You pass the light pen over a sheet with a series of bar codes, each representing a different time/day configuration. Some VCR's even offer a built-in owner's manual: An on-screen menu allows you to select the functions you want to learn about or to engage a self-demonstration mode. The latest twist in VCR programming comes in a Panasonic deck that can be plugged into a telephone line so you can program your deck from any pushbutton phone.

If you expect to do a lot of off-air taping, make sure you pay careful attention to the capacity of a VCR's timer. This is usually expressed in terms of the number of events (programs) and days. An eight-event/twenty-one-day timer, for example, allows the VCR to record up to eight different programs over a three-week period.

Of course, recording time is limited by the videotape's length and the recording speed you choose. Many VCR's offer three recording speeds: SP (standard play), LP (long play), and EP (extended play) or SLP (superlong play). EP or SLP will give you six hours of record time if you're using a T-120 videocassette—but not without noticeable degradation in picture quality, which typically decreases at the slower speeds. For the best possible quality, you must use the SP mode, which allows two hours of record time with one T-120 cassette; LP offers four hours of record time.

These days a VCR that is not equipped with a wireless remote is a rare bird. The question to ask is, what does it do? With some VCR's, it's actually easier to operate the recorder using the remote because few controls are readily accessible on the deck itself. A remote control also provides another way to instantly upgrade a non-remote TV set: You can bypass the TV's tuner and switch channels with the VCR's remote.

Special Effects

Two heads are indeed better than one in a VCR—in fact, they're crucial to the machine's operation. All basic VCR's have two recording/playback heads. But once you get beyond the basics, you'll find decks with four heads or more. The additional heads are used for hi-fi sound and to produce better special effects.
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**VCR LANDSCAPE**

For some real-life examples, here’s a glimpse of a few of the many VCR’s you may come across.

**Akai VS-77TU-B ($5730)**
This standard VHS deck has a super audio package: Dolby Surround circuitry, a built-in 10-watt-per-channel amp that can be used to power front or rear speakers, VHS Hi-Fi sound, and MTS. It also has Quickstart, an extremely useful feature that keeps the tape loaded in the play mode during all operations (fast forward, reverse, etc.), which greatly reduces the waiting time between modes.

**Hitachi VT-3050 ($5430)**
This mid-price VHS model belongs to a series that offers the ultimate in on-screen programming: sixteen “pages” of instructional text that can be displayed on your TV to walk you through the art of VCR command. HQ (High Quality) picture-enhancement circuitry and MTS are also included.

**JVC HR-S8000U ($1,600)**
JVC developed Super VHS, and this, its flagship S-VHS deck, is predictably state-of-the-art. VASS (VHS address search system) multiscreen indexing lets you create a “table of contents” at the beginning of a tape, then automatically go to any preset spot on it. The deck has a flying-erase head, VHS Hi-Fi, and MTS. It uses digital circuitry to improve picture quality and for special effects like freeze-frame,PIP, video art, and strobe. Most of the digital effects work with broadcast TV as well as with tape. It has double on-screen programming—both from your TV and from a tiny LCD screen on the remote control.

**Mitsubishi HS-U80 ($1,700)**
This Super VHS model has VHS Hi-Fi, MTS, on-screen programming, and a wide range of special effects: PIP, freeze-frame, variable-speed strobe, and more. You can index various points on the tape and, as with the JVC model, create a table of contents of up to 100 frames at the beginning and automatically send the VCR spinning off to any preset point. The HS-U80 also has a jog shuttle and a flying-erase head. Mitsubishi calls this its “Super Editing VCR”—and it is just that.

**Panasonic PV-4826 ($550)**
This standard VHS deck has one feature that makes it stand out among the crowd—it plugs into your telephone line like an answering machine and (assuming you’re remembered to load a tape into the VCR) can be programmed for recording from any touch-tone phone.

**Sony EDY-9500 ($3,300)**
This one’s a bit pricey as far as VCR’s go, but Sony claims to be aiming this ED beta deck at the “prosumer”—possibly the owner of a small-scale wedding or mitzvah videotaping company—who wants to offer professional-quality video at a lower-than-corporate price. This deck, like Super VHS models, will record a better picture than broadcast or cable television can deliver. It is clearly and carefully designed for use as an editing deck, with two flying-erase heads, jog shuttle, and a full boat of digital features—including a sixty-times digital scan mode that shows an image while the tape is in fast forward or rewind. The deck’s memory can store and then assemble up to eight segments of video.

**Toshiba SV-950 ($1,500)**
Another finely engineered example of Super VHS that’s packed with VHS Hi-Fi, MTS, multiscreen effects, and a difference: You program this deck by moving a light pen across an on-screen display. The SV-950 also features a form of automatic visual indexing—you electronically mark spots on the tape while recording, and the deck will automatically go to and briefly display those spots in the search mode until switched over to the play mode.

**Zenith VRE550 ($1,150)**
This six-head S-VHS machine has MTS, VHS Hi-Fi, on-screen programming, and a flying-erase head. But it does something other “super” VCR’s can’t: It records and plays back closed-captioned information for the hearing impaired and, when linked to one of Zenith’s Digital System 3 TV’s, the deck can record Teletext news and business programming.

A majority of Americans now own VCR’s, but most of these machines are basic no-frills models used for time-shifting and watching rented tapes. VCR manufacturers understandably want us to upgrade, and in the quest for our video dollars they offer a tempting menu of audio, video, and special effects. These features are enticing. But to make sure you bring home no more or no less than you need, treat your VCR buying expedition like a trip to the supermarket: Bring along a “features” shopping list, stick to it, and shop the sales!
Now that the picture on our big screen televisions is just about perfect, we decided to work on something else.
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And see with your own ears how great it sounds.

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The connectors are gold plated, and all functions are displayed on screen in an easy-to-read menu.

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With horizontal resolution greater than 400 lines, our S-VHS/Hi-Fi VCR can generate an image that's 67% sharper than ordinary VCR's.

For the name of your authorized Mitsubishi Home Theater Systems dealer, call (800) 556-1234 ext. 145. In California, (800) 441-2345 ext. 145. Cabinet colors and finishes may vary.

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CIRCLE NO. 38 ON READER SERVICE CARD
EVERYBODY, it seems, has an opinion about camcorders. People will tell you it doesn’t matter which television or VCR you choose, but mention camcorders and they suddenly take a firm, sometimes impassioned stand. Your cousin will rave about the superior picture quality provided by Super VHS camcorders, adding that you’d be crazy to buy anything else. Your neighbor will note that the 8mm format, with Sony’s solid backing, is a logical choice because it offers the most state-of-the-art features. Your spouse will tell you it doesn’t matter what you get, as long as it’s compact, lightweight, not too expensive, and compatible with your VCR—a good definition of the VHS-C (for “compact”) format. The video salesman will, of course, be a staunch supporter of whatever type of camcorder the shop’s pushing that week.

Who’s right? Well, putting aside the salesman’s format-of-the-week, everybody is. The world of camcorders is a very democratic one. And while it’s true that not all camcorders are created equal, it’s also true that no single camcorder—in fact, no one format—is right for everyone. That truth would seem to be self-evident, but it needs to be emphasized because of the tendency of “experts” to speak in absolute terms about camcorders. When Sony’s 8mm models first appeared, some pundits predicted that the format would soon make others obsolete. Within a couple of years, they were saying the same thing about Super VHS.

How does the consumer make an intelligent choice in this atmosphere of conflicting views? Start by looking at the facts, one of which is that no one can safely predict the future in the volatile video business. So disregard most predictions of obsolescence; it’s reasonable to assume that at least five out of the six existing formats—S-VHS, S-VHS-C, regular full-size VHS, VHS-C, and 8mm—are going to be around for a while. (Some consider the future of the sixth format, Beta, to be less certain, although its high quality just might keep it in the picture.) Each of these formats has captured a share of the overall market because each has something to offer, whether it be low price, compactness, compatibility, or special features.

Within the half-dozen formats, there are more than 100 different camcorders on the market right now. (What’s a democracy without diversity?) Some of the newer models boast features that would satisfy even the most advanced videographers, providing glitch-free editing between scenes, “image stabilization” devices that smooth out bumpy shots, and digital special effects.
that can turn a home movie into a work of art. Naturally, the availability of these options is in itself a good thing. But when you add all of the new technical terms ("flying-erase head" is my favorite) to the format morass, the confusion mounts. No one said living in a democracy was easy.

Perhaps the best way to approach the camcorder puzzle is to adopt a simple, two-pronged strategy. Tackle the format issue first, then proceed to features.

**Formats**

An understanding of how each particular format works isn't all that important — what's needed, rather, is a quick frame of reference you can carry around in your head as you shop, one which stresses the one or two key advantages and disadvantages of each format.

Full-size VHS is still, in many ways, the bread-and-butter format. It's big and bulky, but it offers longer recording time (up to eight hours on a T-160 tape), compatibility (allowing you to transfer your tape directly from the camcorder to a home VHS deck), and in-camera playback (which means the camcorder doubles as a second VCR, and also allows you to see how your shooting is coming along without having to go home first). This format also offers some of the best buys on the market. However, picture quality on standard VHS is inferior to that of other formats.

VHS-C was designed for those who want to lighten their load, as well as their expenditure. With models weighing in at just over 2 pounds (including batteries), a good VHS-C camcorder can be purchased for $1,200 or less. The format is semi-compatible with home VHS decks; you need a cassette adaptor. Recording time is short (one hour) and features tend to be limited.

The 8mm format provides the 2-pound compactness of VHS-C with some significant advantages. Both picture and audio quality run high on 8mm camcorders (AFM, or audio-frequency modulation, is a high-fidelity recording process that gives this format the best audio specs); in addition, they tend to be packed with features in spite of their diminutive size. Since 8mm tape is smaller, the format also crams in double the recording time of VHS-C. The big drawback is incompatibility; since 8mm recordings can only be played on 8mm decks, the format is swimming against the VHS tide.

Beta, of course, has the same compatibility problem as 8mm. And while there is a possibility that 8mm could become a more widespread home-video format in the future, Beta is clearly a format of the past. Still, Sony's Super Beta camcorders offer a 20-percent improvement in picture quality over standard Beta, as well as advanced features.

S-VHS offers, quite simply, the best picture you can get — its horizontal resolution measures 400 to 450 lines, far exceeding the 240 to 250 lines of resolution of standard VHS and 8mm's 266 lines. On the full-size machines, you also get two hours of recording time and a full range of features. On the downside, S-VHS is expensive (more than $2,000 in most cases) and there are some compatibility problems. You can't play a tape recorded in the S-VHS mode on a regular VHS deck — and direct connections from camcorder to television require a TV set with an S connector (a special jack available only on newer TV's). So unless you're ready to upgrade more than just your camcorder, this may not be the format for you. Also, the S-VHS camcorders are still first-generation, which makes some buyers uneasy. But there's little argument that this format — along with its more compact version — seems to have the brightest future.

S-VHS-C, in addition to having too many letters in its name, has the compatibility problems of full-size S-VHS compounded by the need to use an adaptor for the cassette. Nevertheless, this is the format that takes all the picture-enhancement advantages of S-VHS and incorporates them into a portable package.

In reviewing all six formats, it's clear that there's something for everyone. The format you choose will probably depend on your priorities; the importance of picture quality will have to be weighed against the value of sound quality, availability of special features, portability, or compatibility with home VCR's. The order in which you prioritize should determine your format decision.
Feature Attractions

With a better understanding of formats, the buying process becomes less intimidating—and can actually start to become fun as you check out the various performance features. Some of the hot new extras available on today's camcorders include power zoom, variable shutter speeds, the aforementioned flying-erase heads, digital effects, and a new feature called image stabilization.

The last of these deserves special mention, because it may represent the most important new camcorder feature. Available on VHS camcorders from Magnavox, Philips, Panasonic, and Chinon, image stabilization helps eliminate a long-standing problem associated with home video, and before that, home moviemaking—the problem of the wobbly picture.

Too often, home videos end up resembling that awful series of commercials for Nissan (remember the ones where the camera lurched and swayed drunkenly while a group of yuppies engineers sat around a table and talked cars?). Those jitters could have been prevented—television cameras do, after all, have steadying devices—but until recently, there was no way to steady the hand (and shoulder) of the amateur videographer. Image stabilization offers at least a partial solution to the problem: A complex lens assembly system features tiny motors that shift the lens up and down or side to side, to correct for movements (up to 12 degrees) by the person holding the camera. The function can, by the way, be turned off, so you would still be able to shoot a Nissan commercial if you had to.

There are a couple of drawbacks to the new feature—it increases both the weight and the price of the camcorders it is built into. All four available models (Panasonic PV-460, Magnavox CVJ-360, Philips CPJ-815, and Chinon CV-T80) cost more than $2,000, and each one weighs more than seven pounds.

While image stabilization helps smooth out the jitters, the flying-erase head—which is not as dangerous as it sounds—helps provide smooth transitions between scenes. Now available on about half the camcorders on the market, this feature eliminates the video lines normally visible between scenes through the use of an “eraser
Image stabilization is the hallmark of Panasonic's PV-460 ($2,250), a full-size VHS camcorder. This sophisticated feature uses a complex lens assembly and a tiny motor that shifts the lens up and down and side to side to prevent the video jitters.

Power zoom is another hot button on the new camcorders. Most camcorders have traditionally offered six-times power-zoom capabilities, but recent models have expanded the zoom to eight, ten, or, in the case of Sharp's VL-C750U and VL-L250U, a top-of-the-zoom twelve times. Is that much zoom necessary? Perhaps not, but it can make a big difference if you're shooting sports videos or vacation sights. Power zoom gets you close to the action, quickly.

Variable shutter speeds, meanwhile, allow the camcorder operator to capture the action more effectively by controlling light intake in much the same way a photographer does. Camcorders have traditionally offered one shutter speed—1/60 of a second—which is fine for medium-to-dark lighting conditions but leaves the shutter open long enough to create possible blurring. With the higher speeds (1/1000 and faster) now available, videographers can get clearer action shots, particularly when shooting in daylight.

Conversely, when shooting in the dark, low-lux capability becomes important. (Lux is a standard of light measurement.) Most camcorders can shoot in lighting as low as 10 lux, which is fine for most indoor shots. If you want to be able to shoot in near-dark conditions—by candlelight, for instance—you have to look to the lux leaders. Sony 8mm camcorders can shoot in as little as 4 lux, while Panasonic, Quasar, and Olympus models can shoot in as little as 1 lux.

Digital special effects might be viewed as the icing on the cake. Camcorders that offer electronic fade can improve transitions, while digital wipe and digital strobe can add some show-biz glitz to your home videos. Digital processing also can be used to produce a number of dual-image effects—everything from superimpositions to picture-in-picture (PIP). These could hardly be described as "must" features, but they will have some value to the person who plans to experiment with video techniques. True video Warhols may want to check out Toshiba's 3-D camcorder, which necessitates the use of those funny glasses during playback. (Talk about incompatibility!)

Moving from the bizarre to the basic, it should be noted that autofocus, once a luxury feature, has now become standard. The salesman will probably still list it as a selling point, but know that virtually every camcorder on the market has it, and beware of any model that doesn't.

Also be aware that AFM recording on 8mm camcorders is not equivalent to stereo recording. Though AFM specs are good—with a frequency response of 20 to 20,000 Hz and a dynamic range near 80 dB—the system produces monaural sound. Some 8mm models, however, have PCM (pulse-code modulation) digital sound, which provides near-CD sound quality in stereo (Sony's CCD-V220, $2,500). Meanwhile, though camcorders with hi-fi stereo sound are said to be on the way—JVC has promised imminent delivery of a hi-fi model—there was still no product available at press time.

After sorting through all the features and analyzing the strengths and weaknesses of the various formats, remember that the feel of a camcorder is extremely important. Obviously, compact units tend to be the most pleasing to the hand, but don't be intimidated by a full-size, shoulder-rest model. Once you pick one up and handle it for a while—something you should do at length before buying—you may discover that full-size is not as unwieldy as it looks, and it may actually be easier to use than a compact model. Again, it's all a matter of personal taste: Regardless of what the "experts" may like, in the end you must please yourself.
For the Changing Times
The New 6-Disc Realistic® CD Changer

Now there's a more convenient way to enjoy the best in sound—the new compact disc changer from Radio Shack. You can load up to six discs in its magazine, sit back, and enjoy hours of superb digital stereo. Or, program up to 32 selections from the six discs to play in any sequence. Either way you can pause, replay, program and search, using the wireless infrared remote control.

The large LED display simulates remote operation. Manual and automatic search make it easy to find selections.

This high-performance changer has a heavily cushioned deck mechanism and Tri-Spot laser pickup system for accurate tracking. Two-times oversampling provides superior sound. And Radio Shack stocks extra magazines so you can protect all of your CDs and have them loaded in your preferred order, ready for play anytime.

Come in and try the Realistic CD-6000. It’s affordably priced at only $359.95—so you can enjoy the convenience of a changer for less than the price of some single-disc players. Sold only at Radio Shack. Low as $18 per month.*

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The real magic of videocassette recorders is that they bring movies into your home. Yet after all these years, the only VCR which can deliver theater-like sound is the Akai VS-A77U-B. The world’s first Dolby® Surround Sound VCR.

Many movies available on videocassette feature Dolby Surround Sound. But to enjoy the experience of being right in the action you need a Dolby Surround Sound Decoder (like the one built into Akai’s AA-V435-B Audio/Video Receiver).

Or now, the Akai VS-A77U-B. This VCR decodes Dolby Surround Sound information without the need for costly add-ons. There’s even a built-in stereo amp to power a pair of rear-channel speakers. Add the VS-A77U-B and a pair of rear speakers to your TV set and you’ve got an instant movie theater!

The VS-A77U-B offers everything else it takes to become the state-of-the-art VCR: an intelligent remote control that can be programmed to operate nearly all infrared remote control television sets and audio components; VHS Hi-Fi with audio quality comparable to a CD player; MTS stereo tuner with 167 stations and Akai’s Quick Start System which eliminates the long delay between operating functions.

The Akai VS-A77U-B is the true synthesis of the best in audio and the best in video. It’s only logical that it comes from Akai, where audio and video are one.
EMARKABLE as it may seem, 1989 marks television’s fiftieth anniversary. Americans caught their first glimpse of TV in 1939 at the New York World’s Fair—the year that MGM premiered The Wizard of Oz and Gone with the Wind. Since those pioneering days, television technology has evolved slowly. The first revolution came with the introduction of color TV in the early Fifties. And it took more than three decades to reach the next milestone, stereo TV sound.

Refinements in television sound have been followed in recent years by a number of picture and design enhancements—all of which aim to squeeze the most out of the decades-old NTSC (National Television Standards Committee) guidelines. To the casual observer, it might seem as though the breakthrough in television sound provided a swift kick in the pants to TV/video engineers. Whatever the impetus, one thing is certain: If you’ve been out of the television market for several years, you’re in for a very pleasant surprise. Indeed, it’s a whole new ball game.

But what about this high-

Hitachi’s 7T8550 stereo TV has a 31-inch screen, two tuners, a programmable remote control, an S-VHS jack, on-screen displays for picture and sound control, and an oak-veneer cabinet. Price: $2,899.
Videowise, RCA's G31150 offers a 31-inch picture tube capable of producing 600 lines of horizontal resolution, an S-VHS jack, two A/V inputs, and on-screen prompts. Soundwise, the stereo set has four speakers and surround-sound circuitry. The cabinet is oak-veneer. Price: $2,499.

Yamaha's YM-300S monitor/receiver features a 30-inch picture tube capable of producing 560 lines of horizontal resolution, on-screen programming, and three A/V inputs. The stereo set also has two speakers, a "sound wide" mode, and a remote control that operates Yamaha VCR's. Price: $1,999.

A 35-inch picture tube is featured in Mitsubishi's CS-3504R stereo TV. Special video effects include picture-in-picture, four-channel preview, and sequential frame-stepping or strobing. The set also has two speakers, dual A/V inputs, and a gray-vinyl cabinet. Price: $2,599.
definition television, you ask? Should you postpone your TV purchase until the new technology becomes available? Absolutely not. While it's true that an HDTV system capable of delivering motion-picture-quality video is imminent, no one knows exactly when it will be implemented in this country (see "TV's Cutting Edge," page 31). Even assuming a best-case scenario, HDTV isn't likely to surface here before 1991—and many think it will probably be 1992 or beyond. A complex web of technical, political, and economic issues have yet to be resolved.

So in the meantime, why not pay a visit to your local TV/electronics store and survey the new television landscape? Today's top-of-the-line direct-view TVs have larger, flatter, and squarer viewing screens, as well as vastly improved picture and sound quality. They also are equipped with sophisticated remote controls and are capable of performing some neat tricks, like displaying two or more pictures on the screen at once. Once set even allows you to call up a tic-tac-toe board of nine channels on the screen!

Of course, this kind of technological wizardry doesn't come cheap. If you plan to buy from the cream of the crop, be prepared to spend anywhere from $1,000 to $3,000 or more. If it's any consolation, most salesmen will remind you that you're not just buying a TV, you're buying a sophisticated monitor/receiver.

One of the many surprises you'll encounter on your shopping expedition is that the old, familiar 25-inch console is no longer the king of the TV hill. RCA, the top-selling TV brand in America, doesn't even offer that screen size anymore. You can still buy a 25-inch set, but if you want the "best," you'll be dealing with an odd assortment of new screen sizes, ranging from 26 to 35 inches (measured diagonally).

The Big Picture
To support the bigger screen, which places more demands on picture quality, today's high-tech TV's are able to produce more lines of horizontal resolution than you thought you'd ever need. (Resolution is a common way of rating picture detail; the more lines, the sharper the picture.) Most sets deliver between 500 and 600 lines, and at least one manufacturer claims a whopping 700 lines. The obvious question is, why do you need a TV with such high resolution if broadcast TV can deliver only 330 lines? While it's true that 500 lines is overkill if all you do is watch broadcast and cable TV, the "extra" lines will be useful if you plan to use a wideband video source like a Super VHS or ED Beta VCR, which produce 430 and 500 lines, or a computer, which can take you above 600 lines. As an example, the difference between TV's 330 lines and Super VHS's 430 is immediately discernible in fine picture details—such as the texture of an orange or the petals of a flower. Ask the salesman for a demonstration.

Exactly how are the current crop of premium TVs able to produce a cleaner, more natural looking image? Every manufacturer seems to have its own method or combination of methods to achieve what it deems to be the "best possible picture." Two basic enhancement devices that you're bound to come across are the comb filter and surface acoustic-wave (SAW) filter. The first circuit improves separation between the black-and-white (luminance) and color (chrominance) portions of the TV signal, which sharpens the picture; the SAW filter reduces interference from adjacent channels. Virtually all top notch TV's also have an S-VHS jack, which is needed to realize the full benefits of a Super VHS VCR. This special input, also referred to as a Y/C connector, is used to isolate the luminance (Y) and chrominance (C) portions of the signal from one another.

Video amplifiers, which boost the video signal before it reaches the picture tube, also play an important role in improving picture resolution. In standard TV sets, video amplifiers typically restrict horizontal resolution to about 330 lines. But current high-end TV's use so-called wideband amplifiers, which set the stage for a more detailed, high-resolution picture. Manufacturer's literature will tell you that wideband amplifiers expand the video signal's frequency response to 7 megahertz (MHz), compared to 4 MHz in standard TV's.

New Technology
The newest and perhaps most intriguing means of TV-picture enhancement is a digital-based technology called noninterlace scanning. Both Philips and Toshiba are using the technology in current sets; Sony, Panasonic, and others are also investigating it.

To understand this new technology, you must have a feel for the inner workings of a TV. In conventional sets, two separate fields of lines are alternately scanned across the inner face of the picture tube every 1/60 second. (Each scanning line is actually an electron beam that produces light when it strikes the screen.) The second field of lines is interlaced between the lines of the first field to "paint" a complete picture every 1/30 second. This process creates the illusion of a continuous picture (but you can see the scanning lines if you look closely).

Noninterlace TV sets—like the new 27- and 31-inch IDTV (improved-definition TV) models from Philips—use digital memory to store one field of lines and display it along with the second field, thus doubling the number of scanning lines that appear during each 1/60-second interval. The result is said to be a more solid-looking picture. However, many people think a noninterlaced picture is no better than the conventional interlaced picture. You'll have to let your eyes be the judge here.

To clean up the "snow" produced by weak TV signals, Philip's IDTV's employ a digital noise-reduction circuit that can be switched between 6 and 12 dB (or it can be switched off). Essentially, the set's 2.5-megabyte memory stores the picture, filters out the "noise," and then redisplays a cleaned-up image. Zenith and other companies use similar digital-filtering techniques.

Of course, there are other means of refining the TV picture. RCA, Sony, Hitachi, and Panasonic use "fine-pitch" picture tubes, which feature smaller phosphor dots—the glowing color elements that create the picture—and tighter spacing between those dots than conventional picture tubes. This also is said to translate into finer detail. Some years ago, Sony developed the Trinitron picture tube, a one-gun/single-lens design that it still uses today and that has received wide praise for picture clarity. The Trinitron differs from the conventional shadow-mask picture tube, which uses three electron guns to "fire" red, green, and blue electron beams at corresponding color phosphors on the inside of the screen.

Another method of enhancement is a scanning technique called "velocity modulation," which continually adjusts the speed of the TV's electron beam to create a sharper image and better contrast; it's used by Sony and other manufacturers. These are a few of the many techniques used to clean up the picture.
Great sound is the highlight of NEC’s KX-2791A console TV. The set’s 27-inch screen is complemented by circuitry that provides hall, matrix, and Dolby Surround Sound effects, a 40-watt amp, and four speakers. Price: $1,299.

One of two IDTV (improved definition television) sets from Philips is the 31-inch Model 31J460. A digital scanning technique is said to enhance the picture. Special effects include picture-in-picture and nine-channel preview. Price: $2,600.

Like the Philips TV (left), Toshiba’s 28-inch CZ2898 table model uses digital noninterlace scanning to improve picture quality. Special effects include picture-in-picture, and there’s also an on-screen display. The set’s side-mounted speakers are adjustable. Price: $2,500.
It Sounds Good, Too

For forty-five years of TV's fifty-year history, manufacturers turned a deaf ear to the medium's tinny sound. But once stereo TV broadcasting got off the ground in 1984, sets with two or more speakers and a built-in audio amplifier began trickling onto the sales floor. Today, quality sound is the norm in premium TV's—virtually all of them have a built-in MTS (multi-channel television sound) decoder to receive stereo signals, along with an extra channel known as SAP (separate audio program), which can be used for bilingual telecasts. An audio program can be used to connect additional speakers. It also makes life easier for broadcasters by avoiding an abrupt and costly changeover to all-new transmission equipment.

While you won't get CD-grade sound from a high-tech TV, you will hear a vast improvement over models with a lone 3-inch speaker. All "stereo" TV's have at least two speakers and an amplifier that cranks out between 3 and 40 watts—not bad for a TV. Back panels also typically have multiple audio/video jacks so you can hook up two VCR's and a videodisc player as well as tie the TV into your home stereo system.

Some TV brands have really put sound in the spotlight. To clean up the audio signal, Panasonic has built a dbx noise-reduction circuit into some of its sets (CTK-3194S, $2,700, and CTK-3196S, $2,600). Zenith's new 31- and 35-inch sets (ZB3193H, $2,795, and SE3535H, $3,395) incorporate a compact sound system designed by speaker-manufacturer Bose. And there's NEC, which takes things a step further by throwing a surround-sound decoder in its newest 27-inch console TV (model KX2791A, $1,299). Powered by a 40-watt amplifier, the set has four internal speakers and jacks on the rear panel to connect additional speakers. It also offers a choice between three sound effects: hall, matrix, and Dolby Surround Sound.

Convenience and Frills

What would a high-end TV set be without a trick or two up its sleeve? Many sets have dual tuners—that's right, two—to provide special effects like picture-in-picture (PIP), which allows you to watch two or more stations at once. Typically, you can move the inset around the screen and, in some cases, adjust its size. Digital memory also is put to use in some sets to manipulate the picture in a number of ways.

The Philips/Magnavox PIP system, for example, allows you to display up to nine channels on the screen at one time. Viewers also can swap the main picture with the inset, freeze the PIP image, store the main picture for later recall, or display a sequence of nine still images to analyze fast-moving scenes.

The best TV's on the market today also have remote controls that will operate all of the TV's functions—and in some cases every other audio or video component you own as well, so you don't become a victim of coffeetable clutter. That's a lot of information to digest, but there's still a lot more to see and hear. The best way to select a television that's right for you and your budget is to put your eyes and ears to the test—get out and shop, then shop some more. And when it comes to that "helpful" advice friends are giving you—just ignore it. Seeing—and hearing—is believing.

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**TV'S CUTTING EDGE**

**IMAGINE A WIDE-SCREEN PICTURE on your TV that's as sharp and detailed as the one you see when you go to the movies.** While this isn't yet possible in the U.S. due to the technical confines of the forty-year-old NTSC standard governing American broadcasters, work is well under way on a high-definition TV (HDTV) system capable of delivering such topnotch performance. In addition to more lifelike color, extraordinary detail, and a screen that's one-third wider than current TV screens, HDTV also will deliver CD-quality sound.

But before such an advanced television system can be launched in the U.S., a number of technical, political, and economic issues must be resolved. Central to these is the adoption of a standard that would establish an operating framework for broadcasters and TV manufacturers. The FCC (Federal Communications Commission) took the first step toward a standard last September when it said in a preliminary report that any advanced TV system adopted in this country must be fully compatible with current color TV's.

About twenty HDTV systems have been proposed, but only about eight are considered serious contenders. Included are the ACT (Advanced Compatible Television) system being developed by NBC, GE, and RCA; North American Philips's HDS.NA (High-Definition System for North America); and Zenith's Spectrum Compatible HDTV System. Since the 6-MHz bandwidth provided by the current NTSC standard is too narrow to pass along the enhanced HDTV audio/video signal, these systems use a second TV channel to transmit a portion of the signal.

The main selling point of compatibility is that it provides an extended lease on life for the estimated 160 million TV sets in American homes. Before you upgrade to a "smart" HDTV set, you would still be able to use a standard television when broadcasters switch to HDTV transmissions. With compatibility assured, the transition from standard TV sets to HDTV sets would mirror the early days of color TV.

MUSE, an incompatible system that has been under development by the Japan Broadcasting Corp. (NHK) for nearly two decades, was considered a leading contender in the HDTV race here until the FCC's September announcement. NHK is now working on NTSC compatibility and plans to introduce the original version of MUSE in Japan in the early 1990's.

On the political and economic fronts, the FCC's endorsement of an NTSC-compatible system is seen as a boon to American business in what is likely to evolve into a multibillion-dollar market. Compatibility also makes life easier for broadcasters by avoiding an abrupt and costly changeover to all-new transmission equipment.

Even though the HDTV ball is rolling, don't expect the issues to be resolved until the early Nineties. An FCC advisory committee is setting up an independent testing program to evaluate all potential systems; evaluation alone is expected to take until mid-1990 to complete. In the meantime, the FCC is receiving volumes of input on HDTV from numerous parties, ranging from broadcasters and TV manufacturers to trade groups like the Electronic Industries Association (EIA). And then there is the issue of how much HDTV programming will be available and when, as well as that of compatibility with alternate delivery systems such as cable, satellite, and VCR's.

If HDTV achieves the same rate of penetration as color TV—which took eight years to find its way into 1 percent of American homes—it may not really catch on until the year 2000. When it does finally get off the ground here—in whatever form—what will an HDTV set cost? Depending on who you talk to, it won't come cheap—estimates range from $1,500 on the low end to $3,500 or more. Start saving now.

—B.A.
You want to watch late-night TV while your wife sleeps. How can you turn on your set without turning off your spouse?

It's easy with Koss' JCK-200 Kordless Stereophone System.

Just plug the infrared transmitter into any TV, VCR, receiver or amplifier. Then slip on the stereophones.

Now you're ready to enjoy a night of first-class sound while your wife enjoys a sound night's sleep. There's no cord, no hassles and no distractions to get in the way.

And if you think the Koss Kordless System is a pleasure in the bedroom, you'll be glad to know it sounds just as good in your living room, dining room or den.

So you can enjoy the great Sound of Koss whenever you get the urge.

For more information and the name of your nearest dealer, call toll free: 1-800-USA-KOSS. Or write: Koss Stereophones, 4129 North Port Washington Road, Milwaukee, WI 53212.
HE biggest news in video these days is sound, as some of the ads unashamedly proclaim. And it's about time.

At last, more and more video companies are paying long-overdue attention to the quality of the soundtracks of both the videocassettes and videodiscs they release. For too many years they generally maintained the same kind of head-in-the-sand attitude that long kept broadcast television sound in the Stone Age. But now, sound counts as much as color quality and picture detail.

The growing popularity of compact discs has played an important role in this change. Not only has it made more and more people acutely aware of better sound quality in audio entertainment, but it has spurred a spin-off by revitalizing videodiscs, which utilize the same system for encoding digital data. That, in turn, has sparked videocassette equipment manufacturers and program producers to improve their sound capabilities too. We video fans are the beneficiaries.

What—in terms of their sound—are the best of the movies, operas, ballets, and other videocassettes and discs presently available? With new releases coming out by the hundreds every month, I can't profess to have seen everything. But the following ones have really impressed me.

**STAR WARS.** Mark Hamill, Alec Guinness, Carrie Fisher, Harrison Ford; George Lucas dir.; 1977. CBS/Fox VHS Hi-Fi, Beta Hi-Fi, and videodisc.

Its soundtrack played as significant a role as its much-touted visual special effects in turning George Lucas's 1977 movie from just another science-fiction/adventure flick into the classic it has become. From the opening roar of the giant spaceship as it whooshes onto the screen, the combination of sound effects and John Williams's music is as arresting as that in any movie before or since. The sound is superior on the videodisc, but whether on cassette or disc this is movie sound at its most imaginative. Among the several Star Wars sequels in video circulation, The Return of the Jedi arguably has the best sound of all in its videodisc edition (also CBS/Fox), but the movie itself is more episodic than its predecessors and there are distracting problems with the panning and scanning of the widescreen images for video.


Stanley Kubrick's science-fiction classic was one of the first movies to adapt for its score a number of existing classical-music recordings, ranging from the "Sunrise" section of Richard Strauss's Also Sprach Zarathustra to pieces by Ligeti, Khachaturian, and Johann Strauss. They all work marvelously in relation to Kubrick's trailblazing images, and the analog stereo transfer to video is excellent. Presumably even better should be the digitally remastered videodisc from Criterion, which is due for release in 1989 and was transferred under Kubrick's supervision.

RAIDERS OF THE LOST ARK. Harrison Ford, Karen Allen; Steven Spielberg dir.; 1981. PARAMOUNT VHS Hi-Fi, Beta Hi-Fi, and videodisc.

I still can't forgive the 1981 Academy Award voters for snubbing this most perfect re-creation (and expansion) of the style, spirit, thrills, and good fun of the old-time Saturday-matinee movie serials. But even without the Oscar it deserved, this remains both a visual and sonic spectacular. For once, the derivative-ness and repetitiveness that so often mark John Williams's scores are excusable and even laudable—and the mix of music and sound effects will test the mettle of any home system.
BLADE RUNNER. Harrison Ford, Rutger Hauer, Sean Young; Ridley Scott dir.; 1982. EMBASSY VHS Hi-Fi, Beta Hi-Fi, and videodisc.

The New Age sounds of Vangelis help raise this 1982 sci-fi/adventure movie above the average, despite some bothersome holes in the screenplay about an ex-cop who’s trying to track down rebellious androids in twenty-first-century Los Angeles. Vangelis’s score is as aurally “grabbing” as are art-director-turned-filmdirector Ridley Scott’s visual images of a blighted L.A. While the score is impressive in its cassette edition, it’s even more so on videodisc, which movie purists will find letterboxed to maintain the original film’s widescreen ratio. (In video letterboxing, a black or grey band appears at the top and/or bottom of the picture on the TV screen, in order to maintain the full original width of the film.)

SPARTACUS. Kirk Douglas, Jean Simmons, Laurence Olivier, Charles Laughton; Stanley Kubrick dir.; 1960. MCA VHS Dolby Surround, Beta Dolby Surround, and videodisc Dolby Surround.

Stereo Review’s Steve Simels insists that Alex North’s score for this 1960 movie is the only American film music worth mentioning in the same breath with Prokofiev’s Alexander Nevsky. While I wouldn’t go quite that far (I like several scores by Erich Korngold and Alfred Newman just as much), I have to agree that its videodisc reproduction is among the most breathtaking around, far superior to the long-available audio LP version. North’s score is bold, dramatic, and genuinely memorable from the opening titles to the closing credits (Simels has called it “a virtual concerto for gladiators and orchestra”) and it plays a key role in making Stanley Kubrick’s spectacle of ancient Rome so stirring and moving.

ROBOCOP. Peter Weller, Nancy Allen, Ronny Cox; Paul Verhoeven dir.; 1987. ORION VHS Hi-Fi, Beta Hi-Fi, and videodisc.

Sound buffs will love the clatter on the soundtrack as robot ED-209 clomps across the screen in Paul Verhoeven’s 1987 satiric adventure-thriller about law enforcement in the perhaps not-so-distant future. There’s also a good score by Basil Poledouris that accompanies all the mayhem and shenanigans with its own wry touches. This is Eighties sound at its most sophisticated—and effective.

WINGS. Clara Bow, Buddy Rogers, Gary Cooper; William A. Wellman dir.; 1927. PARAMOUNT VHS stereo, Beta stereo, and videodisc.

What? A silent movie on a list of great-sounding videos? Well, yes, since it has a new mighty-Wurlitzer soundtrack by Gaylord Carter that accompanies what are still some of the most exciting aerial photography sequences in movie history. Filmed in 1927 (just before The Jazz Singer doomed silents), Wings won an Oscar as Best Picture and made a star of the young Gary Cooper, who has only a small role here. With the new crystal-clear soundtrack, you’re rarely aware that you’re watching a sixty-one-year-old movie. Now, if only a similar service could be provided for some other silent classics languishing in the vaults.

OKLAHOMA! Gordon MacRae, Shirley Jones, Gloria Grahame; Fred Zinnemam dir.; 1955. CBS/FOX VHS, Beta, and videodisc.

Rodgers and Hammerstein’s first big hit has become so legendary that there’s a tendency nowadays to dismiss it as dated or even antiquated. But it certainly isn’t when it comes to its soundtrack. The original 1955 movie version was in the then-new 70-mm Todd-AO widescreen process with a six-track Hi-Fi Orthosonic soundtrack. There were problems with both—and so, for general release in 1956, the movie was converted to CinemaScope and stereo, and that’s the version in video circulation today (with the width of the frame cropped and the resulting panning and scanning, as with all CinemaScope features). The video release is complete with overture, intermission, and extended closing music. Moreover, the musical arrangements by Broadway veteran Jay Blackton have more bite and brightness than is the norm for Hollywood adaptations of Broadway shows. From the opening Oh, What A Beautiful Morning, the songs flow almost continuously and gloriously, with Shirley Jones, Gordon MacRae, Charlotte Greenwood, Gene Nelson, and most of the rest of the cast in top form. Here’s one Broadway classic that has happily become a movie—and video—classic too.

A STAR IS BORN. Judy Garland, James Mason; George Cukor dir.; 1954. WARNER BROS. VHS Hi-Fi, Beta Hi-Fi, and videodisc.

The Judy Garland–James Mason musical version of this thrice-filmed, ultimate Hollywood story was the third Warner Bros. movie to have a stereo soundtrack. But then, soon after the 1954 premiere, it got shelved along with about twenty minutes of the picture when the studio decided to trim its length for commercial reasons. During several changeovers in
A HARD DAY'S NIGHT. The Beatles; Richard Lester dir.; 1964. MPI VHS Hi-Fi, Beta Hi-Fi; CRITERION videodisc.

Here’s a rare example of a movie whose videodisc version is actually a sonic improvement on what was originally released theatrically—and, since the sounds belong to the Fab Four, that’s saying quite a lot. The Beatles’ 1964 movie debut has been digitally remastered in stereo for the Criterion videodisc edition (unlike the recent CD audio release of the soundtrack songs, which is mono). Not only is the audio remastering well done, but the disc version is taken from a mint-condition black-and-white print, and Criterion provides such interesting bonuses as a theatrical trailer, an interesting interview with director Richard Lester, and his complete earlier short The Running, Jumping, and Standing Still Film, which anticipated some of the stylistically fresh and innovative ideas that helped make A Hard Day's Night so distinctive.

THE COTTON CLUB. Richard Gere, Diane Lane, Gregory Hines; Francis Ford Coppola dir.; 1984. EMBASSY VHS Hi-Fi, Beta Hi-Fi, and videodisc.

I know I’m in the minority, but I’ve long felt that this 1984 Francis Coppola movie got a bum rap from critics and audiences who expected a late-Twenties, Harlem-set musical and instead got a gangster melodrama with a nightclub background. Despite the weaknesses of the screenplay, the musical re-creations (a mixture of digital and analog) are first-rate and are mostly of some wonderful Duke Ellington material. In addition to the period musical numbers, the tap-dancing sound effects are impressively reproduced in the video transfer, as are the gunshot effects and a rainstorm that will have you checking your windows as you watch. I understand from someone who worked on the film that more than a half-hour of additional musical numbers got cut from the final release print, making this movie a perfect subject for video’s next “reconstruction.”

GIMME SHELTER. The Rolling Stones, Ike and Tina Turner, Jefferson Airplane; David Maysles, Albert Maysles, Charlotte Zwerin dirs.; 1970. RCA/COLUMBIA VHS, Beta, and videodisc.

The notorious 1969 rock concert at the Altamont Speedway in California that provides the basis for this first-rate “rockumentary” remains more than just “controversial” in many people’s eyes because of the mayhem and murder with which it climaxed. But the vivid visuals and sound provide a lasting testament to both the positive and negative power of Sixties rock as both a social and cultural phenomenon. The Rolling Stones are captured in peak form, performing some of their best songs (including Satisfaction, Brown Sugar, and Sympathy for the Devil). Jefferson Airplane and Ike and Tina Turner are also on hand, with Tina offering an especially unforgettable version of I’ve Been Loving You Too Long. Gimme Shelter is both ugly and beautiful, a combination of music and cinema vérité that has rarely been blended so grippingly.

FRANK SINATRA: Portrait of an Album. Frank Sinatra; Quincy Jones and Orchestra; 1986. MGM/UA VHS Hi-Fi, Beta Hi-Fi, and videodisc.

This 1984 documentary of a Sinatra recording session (for the album “L.A. Is My Lady”) shows both visually and audibly why Ol’ Blue Eyes remains one of the three or four greatest American pop singers of our era. Unlike most other documentaries that mix interviews with parts of performances, this one presents all the songs complete—and they’ve been recorded digitally.

PUCCINI: La Bohème. Mirella Freni (soprano), Mimi; Gianni Raimondi (tenor), Rodolfo; Adriana Martino (soprano), Musetta; others. Chorus and Orchestra of La Scala, Herbert von Karajan cond. DEUTSCHE GRAMMOPHON videodisc.

PUCCINI: La Bohème. Teresa Stratas (soprano), Mimi; José Carreras (tenor), Rodolfo; Laura Pausini (soprano), Musetta; others. Chorus and Orchestra of La Scala, Herbert von Karajan cond. DEUTSCHE GRAMMOPHON videodisc.
or), Rodolfo; Renata Scotto (soprano), Musetta; others. Metropolitan Opera Chorus and Orchestra, James Levine cond. PARAMOUNT VHS stereo, Beta stereo; PIONEER ARTISTS videodisc.

Considering the enduring popularity of this most romantic of Romantic operas, it's not surprising that there should be several first-rate video versions. Sonically, the best combination of beautiful singing and outstanding sound engineering is the videodisc from Deutsche Grammophon, in a lavish production staged by Franco Zeffirelli. As with most of Karajan's video recordings, the soundtrack was recorded first, with the cast then lip-synching their performances afterwards during filming. The result is very detached sound (for example, no movement noises on stage where you would expect them, and an unreal ambience to the crowd scenes of Act Two). Moreover, some members of the cast are not as adept at lip-synching as others, with some disconcerting slips—in close-up yet.

Much more dramatically believable is the 1982 "Live from the Met" performance on Paramount and Pioneer Artists, another Zeffirelli production. The videodisc's digitally remastered sound, while not as impressively "up front" as Deutsche Grammophon's, is still quite good, and Brian Large's maneuvering of his cameras through the "knock 'em dead" production is outstanding.

MAHLER: Symphony No. 2, in C Minor ("Resurrection"). Sheila Armstrong (soprano); Janet Baker (mezzo-soprano); Edinburgh Festival Chorus; London Symphony Orchestra, Leonard Bernstein cond. DEUTSCHE GRAMMOPHON videodisc.

If, like me, you've had mixed feelings about classical concerts on TV or videocassettes—partly because the visuals get boring with repetition, but mostly because the sonics are so limited—then this release should change your mind. As one of the first of PolyGram's new videodisc releases, Deutsche Grammophon could not have made a more thrilling choice than Bernstein's 1974 performance of Mahler's great Resurrection Symphony in Britain's historic Ely Cathedral. The work has long been a Bernstein specialty, and he plumbs its expressive depths for an overwhelming emotional and musical experience like no other I know in music. Where-as in the concert hall Bernstein's podium mannerisms and excesses can be distracting, on video they become much more meaningful and involving when you can watch close-ups of his face and the way he communicates with the musicians and singers through his eyes and, yes, his whole body. The videodisc sound is actually much more impressive than the audio CD by the same forces.


This is a prime example of how video can achieve something an audio-only recording cannot. Carlos Kleiber rarely conducts in the U.S., so this videodisc provides a splendid way for Americans to see as well as hear why he's become one of the most-talked-about and most critically acclaimed conductors in Europe. In it he conducts two contrasting Beethoven symphonies, the Fourth and the Seventh, with the Amsterdam Concertgebouw Orchestra—the same orchestra, by the way, with which his legendary father, Erich Kleiber, began but never completed a Beethoven cycle in the early Fifties. The younger Kleiber shows that he is completely his own man, in vivid, dramatically probing performances you'll want to play over and over. And the sound of the orchestra is simply magnificent throughout.

SHOSTAKOVICH: The Golden Age. Natalia Bessmertnova, Gediminas Taranda, Irek Mukhamedov, Tatiana Golikova (principal dancers); Orches-tra of the Bolshoi Theater, Alexander Lavrenyuk cond. HOME VISION VHS Hi-Fi, Beta Hi-Fi; PIONEER ARTISTS videodisc.

If you think of Shostakovich as primarily a composer of broodingly somber or provocatively epic works, this lively and generally light-hearted Bolshoi Ballet production will come as a happy surprise. Most of the music is early Shostakovich, and it's closer to Broadway than to the Bolshoi, though in a decidedly satiric vein. This is not the original 1930 ballet, however, which displeased Stalin's cultural commissars (partly because audiences responded too warmly to the jazzy music Shostakovich gave the capitalist villains) and soon disappeared. But in this era of glasnost and perestroika, Bolshoi choreographer Yuri Grigorovich has been able to create a new version with a politically less heavy-handed libretto and with workable interpolations from Shostakovich's Piano Concerto No. 2 and the wry Tahiti Trot that Shostakovich based on Vincent Youmans's Tea for Two. The three-act production, taped in 1987 as a co-venture between the BBC and Soviet television, contains some truly spectacular dancing, with lifts and leaps that will leave you breathless. The music bustles and bubbles almost continually, as conductor Alexander Lavrenyuk drives the Bolshoi Orchestra through some of the fastest tempos at which this music could be taken without self-destructing. The sound is fuller and brighter on the disc version.


The music of Philip Glass combines with Godfrey Reggio's visual images of contemporary America for a fresh, fascinating, thought-provoking, and senses-fusing audiovisual experience. There's no narration, no pontification—just music and images in counterpoint to each other, with the visuals sometimes slowed down, sometimes speeded up, but almost always arresting and exciting. The title is a Hopi Indian word meaning "life out of balance," and Reggio's images zero in tellingly on the natural beauties of the world and the manmade abuses that are undercutting the modern civilization mankind has built. But the images wouldn't have half the impact they have without Philip Glass's mesmerizing score.
THE VIEW FROM THE TOP IS ALWAYS BETTER

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No one else takes that extra step. So look for Sherwood components and create a system that's good for your system.
In the following sixty-one pages, you will find in-depth information on current video components and related equipment. Listings include features, specifications, prices, and other relevant information for videocassette recorders and players, camcorders and video cameras, videodisc players (including combi-players), monitors and monitor/receivers, projection TV's, audio/video processors, video speakers (those shielded for placement next to video screens), audio/video systems, blank videotapes, and accessories.

The listings are organized by component categories; each section is then ordered alphabetically by manufacturer.

Listings information has been supplied by the manufacturers, and it has not been verified by STEREO REVIEW lab tests.

Note that all prices listed in this guide are manufacturers' suggested retail prices, or "list" prices. Actual selling prices vary from dealer to dealer. A "Directory of Manufacturers" begins on page 106.
AKAI

VS-910U-B VHS Hi-Fi VCR
Quick Start transport keeps tape fully loaded for fast access (changing from stop to play in 1.5 seconds). Features HQ circuits; digital video noise reduction; random-access digital coding system stores nine index points; preview 8 seconds of each indexed selection; VHS Hi-Fi sound; 167-channel cable-compatible tuner; MTS/SAP stereo-TV decoder; six-event one-year programming; on-screen programming; real-time counter; digital special effects include variable slow motion, freeze frame, frame advance, frame retrieval; universal programmable remote control that stores programming data until user can transmit to data to the VCR (also learns commands for other remote-controlled components); four video heads...$749

VS-9101U-B. Similar to above but lacks digital special effects and universal remote control...

VS-477U-B VHS Hi-Fi VCR
Table-top VCR with Hi-Fi stereo sound. Features Quick Start; Dolby Surround Processor, built-in 10 channel cable-compatible tuner; 99 station presets; wireless remote control with direct access, variable slow motion; programmable from remote; child lock system; comb filter for high-definition picture; four video heads; auto power-on, rewind, editing...

VS-55U-B VHS VCR
HQ picture enhancement; Quick Start transport; 110-channel cable-compatible tuner; universal 104-function remote control; programs eight events over four weeks with on-screen display; variable slow motion; real time counter; auto play; auto rewind...$419

VS-53U-B. Similar to above, but with 54-function remote control; six-event four-week timer...

VS-3U-B. Similar to above, but with four-event four-week timer...

Canon

VR-HF800 Digital VHS Hi-Fi VCR
Hi-Fi VCR with digital special effects including strobe; mosaic, freeze frame; frame advance; slow motion, strobe; and Digital Art. Features MTS/SAP stereo TV decoder; bar-code programming with scanning pen for eight events over one-month period; on-screen display of programming; remote control with flip-up panel; divides screen into nine segments to show stills from different programs on each tape; or creates strobe effect with sequential images varying from 1/400 to 1 second, or shows stills from nine different channels simultaneously; picture-in-picture; Index Search for direct access to up to 99 programs at 7x5 normal speed in SP; double-speed picture playback with sound at normal speed; HQ circuits; four heads; luminance-signal vertical processor; Y/C separation comb filter; linear time-counter; auto power and rewind. Hi-Fi audio dynamic range 90 dB. 16.94 x 13.81 x 4.31 in; 7 lb, 5 oz...

VCR755 VHS VCR
VHS VCR with 110-channel cable-compatible tuner; 4-event/28-day programming; 30-function remote control; 2-speed visual search; special effects include still frame and bidirectional 2-speed search; one-touch record; electronic digital clock/timer; tracking control; auto power-on/rewind; auto rewind; A/V inputs/outputs. 3.7 x 14.1 x 14.1 in; 12.2 lb...

VCR875 VHS VCR
VHS VCR with on-screen programming. Features HQ, 110-channel cable-compatible tuning; 4-event/28-day programming; 30-function remote control; 2-speed visual search; special effects include still frame and bidirectional 2-speed search; one-touch record; electronic digital clock/timer; tracking control; auto power-on/rewind; auto rewind, A/V inputs/outputs. 3.7 x 14.1 x 14.1 in; 12.2 lb...

VCR985 VHS VCR
VHS VCR with 4 heads. Features 110-channel cable-compatible tuner; special effects include still frame, reverse, search, fast forward, and slow motion; HQ, 4-event/14-day timer; 25-function remote control; 2-speed programming. 2-A/V inputs/outputs; electronic digital clock/timer; auto power-on/rewind; auto rewind; tracking control. 3.7 x 14.1 x 14.1 in; 12.2 lb...

VCR853 VHS VCR
VHS VCR with 4 heads. Features 110-channel cable-compatible tuner; special effects include still frame, reverse, search, fast forward, and slow motion; HQ, 4-event/14-day timer; 25-function remote control; 2-speed programming. 2-A/V inputs/outputs; electronic digital clock/timer; auto power-on/rewind; auto rewind; tracking control. 3.7 x 14.1 x 14.1 in; 12.2 lb...

VCR875 VHS VCR
VHS VCR with on-screen programming. Features HQ, 110-channel cable-compatible tuning; 4-event/28-day programming; 30-function remote control; 2-speed visual search; special effects include still frame and bidirectional 2-speed search; one-touch record; electronic digital clock/timer; tracking control; auto power-on/rewind; auto rewind; A/V inputs/outputs. 3.7 x 14.1 x 14.1 in; 12.2 lb...

VCR775 VHS VCR
VHS VCR with 110-channel cable-compatible tuner; 4-event/14-day programming; 24-function remote control; 2-speed visual picture search; HQ, still frame, electronic digital clock/timer; tracking control; automatic playback speed selection; auto power-on/rewind; auto rewind, replay; automatic playback speed selection; bidirectional visual search; A/V output jacks; still frame. 3.7 x 11.4 x 12.9 in; 12 lb...

Fisher

FVH-6600 VHS Hi-Fi VCR
VHS Hi-Fi VCR with 4 double-azimuth video heads. Features 122-channel cable-compatible tuner; 6-event/21-day on-screen programming; auto channel scan; frame advance; noiseless slow motion and quick play; repeat; 2-speed picture search; real time counter; 29-function remote control. 17.3 x 3.4 x 13.2 in; 13.9 lb...

FVH-6500 VHS VCR
VHS VCR with Dolby stereo. Features 4 double-azimuth video heads; 122-channel cable-compatible tuner; MTS decoder; 6-event/21-day on-screen programming; auto channel scan; frame advance; noiseless slow motion and quick play; repeat; 2-speed picture search; real time counter; 29-function remote control. 17.3 x 3.4 x 13.2 in; 13.9 lb...

FVH-6300 VHS VCR
VHS VCR with 4 double-azimuth video heads. Features 122-channel cable-compatible tuner; 6-event/21-day on-screen programming; auto channel scan; frame advance; noiseless slow motion and quick play; repeat; 2-speed picture search; real time counter; 29-function remote control. 14.2 x 3.4 x 13.2 in; 12.4 lb...

FVH-6200 VHS VCR
VHS VCR with 2 video heads. Features 122-channel cable-compatible tuner; 6-event/21-day on-screen programming; auto channel scan; quick play; repeat; 2-speed picture search; real time counter; 26-function remote control. 14.2 x 3.4 x 13.2 in; 12.1 lb...

GE

VG-7795 Super VHS Hi-Fi VCR
Front loading tabletop Super VHS VCR. Features VHS Hi-Fi sound with dbx noise reduction; MTS/SAP decoder; HQ circuitry; 4-head system; 155-channel frequency synthesized cable-compatible tuner; on-screen display; 8-event/1-month timer; 49-function wireless remote control; one-touch record; time stamp recording; real-time tape counter. VHS Index Search System...

VG-7775. As above, lacks Hi-Fi sound. VHS Index Search System...

VG-7720. As above, lacks stereo sound...
**VIDEOCASSETTE RECORDERS**

**LG**

- **611013 VHS VCR with Remote Control**
  - Features Dolby stereo, 110-channel cable-compatible tuner; eight-event/14-day timer; variable slow-motion playback; wireless remote control; only S-VHS VCR that also plays both PAL and NTSC tapes; record only in SP or SLP.
  - $1,995

- **610CM Closed-Caption VHS VCR**
  - Features Dolby stereo, 110-channel cable-compatible tuner; eight-event/14-day timer; variable slow-motion playback; wireless remote control; record only in SP or SLP.
  - $1,495

**VHS Video Cassette Player**

**VCP-4206M**

- Video cassette player without recording capability.
  - Features auto speed select; auto power; power rewind and repeat; fast forward; still; 11.4 x 3.5 x 12.9 in; 11 lb.
  - $349

**VT-4757 S-VHS Hi-Fi VCR**

- Features Dolby noise reduction; 110-channel frequency-synthesized cable-compatible tuner; one-screen display; 4-event/1-year timer; remote; one-touch record; 3.56 x 14.88 x 14 in; 9.7 lb.
  - $399

**VT-4750 S-VHS HQ VCR**

- Features Dolby noise reduction; 110-channel frequency-synthesized cable-compatible tuner; one-screen display; 4-event/1-year timer; remote; one-touch record; 3.56 x 14.88 x 14 in; 13.45 lb.
  - $299

**GOLDSTAR**

- **GHB-4200M VHS Hi-Fi VCR**
  - Tabletop VHS Hi-Fi VCR with built-in MTS/SAI decoder. Plays and records in SP, LP, and SLP.
  - Features 14-day/8-event timer: remote control; frame advance; remote pause; cable ready; still; auto rewind; auto fine tuning; one-touch recording with standby; HQ circuitry; 110-channel tuner with 80 presets; direct-access tuning; battery program backup; simulcast jack. Horizontal resolution 240 lines; video scan; multi-strobe: receives VHF/UHF and 85 cable channels; 8-event/1-year timer; auto play/rewind; one-touch record; VHS video index search, 30-second (commercial) skip.
  - $1,399

**HITACHI**

- **VT-2700A S-VHS Hi-Fi Digital VCR**
  - Tabletop VHS VCR with digital special effects: picture-in-picture; multi-channel scan, 12-picture multi-strobe; receives VHF/UHF and 85 cable channels; 8-event/1-year timer; auto play/rewind; one-touch record; VHS video index search, 30-second (commercial) skip.
  - $899

**GOLDSTAR**

- **GHB-2000M Digital Hi-Fi VCR**
  - Tabletop VHS Hi-Fi VCR with digital circuitry. Features MTS/SAI; stereo display; freeze and store; still; variable slow-motion; multi-function display; visual search; mosaic and art (paint) effects; preset LED display remote control; provisions for video printer, auto play/rewind; 120-channel cable-ready; 17.1 x 3.25 x 13.75 in.
  - $850

**GF-4000A HQ VHS VCR**

- Features Dolby stereo; 110-channel cable-compatible tuner; eight-event/14-day timer; variable slow-motion playback; wireless remote control.
  - $430

**VF-400A HQ VHS VCR**

- Features Dolby stereo; 110-channel cable-compatible tuner; eight-event/14-day timer; variable slow-motion playback; wireless remote control.
  - $320

**GOLDSTAR**

- **GHB-1250M VHS VCR**
  - Tabletop VHS VCR with on-screen programming. Features remote control; 110-channel cable-compatible tuner; eight-event/14-day timer; fast search; still; frame advance; HQ; plays and records in SP, LP, SLP; auto power on, rewind, play, stop, eject.
  - $699

- **GHB-1260M VHS VCR**
  - Mid-sized tabletop VHS VCR with on-screen programming. Features remote control; 110-channel cable-compatible tuner; remote access; remote control; eight-event one-year timer; daily and weekly feature; fast search; still; auto power-on and play.
  - $549

- **GHB-1275M VHS VCR**
  - Tabletop VHS VCR. Features remote control; 110-channel cable-compatible tuner; four-event two-week programming; HQ; plays and records in SP, LP, SLP; auto power-on, rewind, play; 16.9 x 3.9 x 12.5 in.
  - $499

- **GHB-1285M VHS VCR**
  - Mid-sized tabletop VHS VCR. Features 110-channel cable-compatible tuner; eight-event one-year timer; auto power; play and rewind.
  - $499

**INSTANT REPLAY**

**Image Translator VCR**

- Video cassette recorders with ability to translate foreign video formats. Plays all PAL video tapes in color including PAL B (Western Europe), India, Africa, Far East, Australia, Scandinavia, PAL N (Argentina, Peru, Paraguay), PAL I (UK, South Africa, Iceland), PAL M (Brazil), PAL NE (Eastern Europe), SECAM B (Russia), SECAM H (Middle East), SECAM L (France) in monochrome. Plays on most regular television sets or monitors. Features front-loading cassette mechanism; cable-ready 107-channel tuner; 4-event/14-day programmable timer: video peaking sharpness control; four heads; VHS Hi-Fi sound; fast scan forward and reverse; still frame.
  - $970

**GRUNDIG**

- **Monolith VS-9500 Digital Hi-Fi VCR**
  - Tabletop VHS VCR with digital special effects: picture-in-picture, slow-motion or freeze-frame; features MTS decoder for stereo broadcasts.
  - $899

**VT-5000A S-VHS Hi-Fi VCR**

- Tabletop VHS Hi-Fi VCR with digital circuitry. Features MTS/SAI; stereo display; freeze and store; still; frame advance; HQ circuitry; 110-channel cable-compatible tuner; four-event/1-year timer; remote control.
  - $899

**VT-350A HQ VHS VCR**

- Tabletop 4-head VCR with HQ circuitry; 120-channel cable-compatible tuner; 4-event/1-year timer; auto power-on, play, on-screen display; LED programmable remote control.
  - $430

**VT-3040A HQ VHS VCR**

- Tabletop 4-head VCR with HQ circuitry; 120-channel cable-compatible tuner; 4-event/1-year timer; on-screen display; 23-function wireless remote control; auto play/rewind; auto power-off eject.
  - $320

**VT-300A HQ VHS VCR**

- Tabletop 4-head VCR with HQ circuitry; 111-channel cable-compatible tuner; 4-event/1-year timer; on-screen display.
  - $400

**VF-300A HQ VHS VCR**

- Tabletop 4-head VCR with HQ circuitry; 111-channel cable-compatible tuner; 4-event/1-year timer; on-screen display; 23-function wireless remote control.
  - $320

**VHS Video Cassette Player**

**VCP-4200M**

- Video cassette player without recording capability.
  - Features auto speed select; auto power; power rewind and repeat; fast forward; still; 11.4 x 3.5 x 12.9 in; 11 lb.
  - $349

**S-VHS Video Cassette Player**

**51399 S-VHS Video Cassette Player**

- VHS Video Cassette Player with built-in MTS/SAI decoder. Plays and records in SP and LP.

**VHS Video Cassette Recorder**

**71915 Four-head HQ Hi-Fi VCR**

- Features Dolby noise reduction; 110-channel frequency-synthesized cable-compatible tuner; one-screen display; 4-event/1-year timer; remote control; frame advance; noiseless special effects; remote pause; cable ready; still; auto rewind; channel lock; auto fine tuning; one-touch recording; HQ circuitry; 110-channel cable-compatible tuner; 4-event/1-year timer; infrared wireless remote control; 30-day/8-event programmable timer; infrared wireless remote control.
  - $1,395

**528IT3 Portable VHS VCR**

- Features Dolby stereo; 4-head; dockable; 139-channel tuner; 110-channel cable-compatible tuner.
  - $859

**61102 S-VHS VCR with Remote Control**

- Front loading; 4-event/14-day timer; frame advance; remote control; 107-channel tuner; 4-event/14-day timer; remote control; infrared wireless remote control; cable ready; 107-channel tuner; 2-channel tape memory; tape viewing window; chrome and black cabinet; heads for special effects at SP speed.
  - $1,075

**618IT3**

- As above without special effects.

**611MC Closed-Caption VHS VCR**

- VHS-VHS format VCR with built-in caption decoder for playing "closed captioned" broadcasts. Features auto power-on, remote control; frame advance; noiseless special effects (EP); cable-ready; still frame; auto rewind; auto fine-tuning; one-touch recording.

**610IC Closed-Caption VHS VCR**

- VHS-VHS format VCR with built-in caption decoder for playing "closed captioned" tapes or recordings. Features auto power-on, remote control; frame advance; noiseless special effects (EP); cable-ready; still frame; auto rewind; auto fine-tuning; one-touch recording.

**51.599 510IT5 Portable VHS VCR**

- Features Dolby stereo; 4-head; dockable; 139-channel tuner; 110-channel cable-compatible tuner.
  - $859
### VIDEOCASSETTE RECORDERS

**JVC**

**HR-S8000U Digital S-VHS Hi-Fi VCR**
- S-VHS Hi-Fi VCR with digital special effects. Features HQ; 4 double-azimuth video heads; variable-speed search; LCD programmable remote control; VHS index search; mutual mark and erase; 8-event/2-week remote control on-screen programming; 181-channel frequency-synthesized cable-compatible tuner; MTS/SAP stereo decoder; audio dubbing; flying erase head; auto titleing; peak-hold audio level indicators; electronic tracking; switchable AC/DC operation; digital zoom; time counter with go-to function; remote control with on-screen programming; VHS index search system; shuttle search; one-button instant timer record; intro search; skip search; slow motion; next-function control; zero-frame editing; real-time counter with go-to function; FL display. Video section: horizontal resolution >400 lines; S/N >45 dB. Audio section: FR 70-20,000 Hz; S/N >40 dB; 17.2 x 3.75 x 13.4 in; 15 lb
- $550

**HR-D400U VHS VCR**
- VHS VCR with HQ. Features 3 double-azimuth video heads; 121-channel cable-compatible tuner; 4-event/14-day remote-control on-screen programming; VHS index search system; shuttle search; one-button instant timer record; intro search; skip search; slow motion; next-function control; zero-frame editing; real-time counter with go-to function; FL display. Video section: horizontal resolution >400 lines; S/N >45 dB. Audio section: FR 70-20,000 Hz; S/N >40 dB; 17.2 x 3.75 x 13.4 in; 15 lb
- $499

**KV-D957S VHS Digital Hi-Fi VCR**
- Features 4 double-azimuth video heads; 14-day 4-event remote control; on-screen programming; 155-channel frequency-synthesized cable-compatible tuner; MTS/SAP stereo decoder; real-time counter; field still; variable-speed slow motion and search; index search; intro search; skip search; real-time go-to function; next-function control. Video section: horizontal resolution >400 lines; Hi-Fi FR 20-20,000 Hz; Hi-Fi dynamic range >90 dB
- $1,299

**VR9791AT VHS Hi-Fi VCR**
- Tabletop S-VHS Hi-Fi digital VCR. Features 54-function infrared remote control; 8-event/one-month on-screen programming; MTS/SAP stereo decoder; HQ; audio dubbing; auto scan; on-screen index search. Video: 4 video/2 audio heads
- $1,400

**VR9790AT VHS VCR**
- Tabletop VHS VCR with stereo sound. Features remote control; 4 video heads; 135-channel cable-compatible random-access frequency-synthesized tuner; 8-event/one-month on-screen programming; MTS/SAP stereo decoder; Dolby B NR; auto scan tuning; auto eject
- $600

**VR9745AT VHS Digital VCR**
- Tabletop VHS digital VCR with special effects capability. Features 45-function remote control; 4 video, 2 audio head system; 155-channel cable-compatible tuner; 8-event/one-month on-screen bar code programming; digital special effects include picture-in-picture, fast search, double line slow motion; 17-times normal speed; slow motion; freeze frame; HQ
- $700

**MINOLTA**

**NV-16S S-VHS Hi-Fi Digital VCR**
- Tabletop S-VHS Hi-Fi VCR with digital special effects. Features S-VHS: >400 lines horizontal resolution; 12-frame multi-screen; picture-in-picture; stroboscopic playback; frame memory; artistic effects; variable-speed playback of digital special effects; HQ; hi-fi sound. VHS index search system (VISS); 8-event/12-month remote-control on-screen programming; 167-channel cable-compatible tuner; MTS/SAP stereo decoder; 17.1 x 3.6 x 14.8 in; 17.6 lb
- $1,530

**MITSUBISHI**

**HS-U80 S-VHS Digital Hi-Fi VCR**
- S-VHS VCR with 4 video heads. Features flying erase head; VHS-HQ: 181-channel cable-compatible tuner; 8-event/4-week remote-controllable on-screen programming; digital special effects include picture-in-picture, freeze frame, slow motion, strobe; skip search; time search; insert edit; remote-time counter; remaining time counter; auto power-on/
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**Video Cassette Recorders**

- **HS-U70 S-VHS Hi-Fi VCR**
  - VHS Hi-Fi VCR with 4 video heads. Features VHS-HQ, CCD noise reduction, dual output circuit, edit switch, video mute, special effects include still and variable slow motion; 3 -event/4-week on-screen programming; one -touch recording; 30 -minute battery backup; real -time counter; auto power-on/play; repeat, rewind, and power-off/eject; remote control. $1,699

- **HS-U50 S-VHS Hi-Fi VCR**
  - S-VHS Hi-Fi VCR with 4 video heads. Features S-VHS-HQ; MTS; 155 -channel cable -compatible tuner; 19 -position index search; skip search; time search; 6 -event/4-week on-screen programming; one -touch record; off -timer; twin -digital auto -tracking; remote control. $1,349

- **HS-U20 VHS VCR**
  - VHS VCR with HQ. Features twin -digital auto -tracking; 155 -channel cable -compatible tuner; 6 -event/4-week on-screen programming; one -touch record; off -timer; 5 -minute battery backup; skip search; time search; 9 -position index search; frame advance; still -frame; remote control. $379

**Montgomery Ward**

- **JSJ1016/7 VHS VCR**
  - Tabletop VHS VCR with 4 video heads. Features on-screen programming; 43 -function remote control; 140 -channel cable -compatible tuner; 6 -event/14 -day timer; slow motion; freeze frame; frame advance; one -touch record; HQ; auto power on, rewind, and play. $319

- **JSJ1016/4 S-VHS VCR**
  - Tabletop VHS VCR with 38 -function remote control. Features 111 -channel cable -compatible tuner; 2 video heads; 4 -event/14- day on-screen programming; freeze frame; one -touch record; HQ; auto power on, rewind, play. $279

- **JSJ1012/3 VHS VCR**
  - Tabletop VHS VCR with 37 -function remote control. Features 111 -channel cable -compatible tuner; 2 video heads; 4 -event/14- day programming; freeze frame; one -touch record; HQ; auto power on, rewind, play. $329

**NEC**

- **DS8000U S-VHS Hi-Fi VCR**
  - Super VHS VCR with digital noise reduction. Features remote control; 140 -channel cable -compatible tuner; VHS-VHS-HQ; MTS; and SLP; linear Dolby stereo; tape -counter; real -time clock; digital drop -out compensator; jet search; hyper -speed search. $1,699

**Panasonic**

- **PV-4768 VHS Hi-Fi VCR**
  - Table -model VHS Hi-Fi VCR with built-in power amplifier. Features remote control; 4 video heads; 155 -channel cable -compatible tuner; 6 -event/21 -day on-screen programming; MTS/SAP stereo decoder; fast search at 25 and 75 times normal speed in 2 modes; slow motion in 2 modes; freeze frame; frame advance; one -touch record; remote control; picture memory; auto power -on/play; auto power -off eject; auto rewind; multi -function FI display; segment recording; digital servo control system. 17 x 4 x 14.75 in; 15.9 lb. $950

**Philco**

- **V13045A VHS Stereo VCR**
  - Tabletop VHS stereo VCR with 1 month 4 -event timer with standby OTR; on-screen display programming; MTS/SAP stereo decoder; digital special effects include picture memory, stereo, stop action, slow motion, picture search; HQ; plays and records in SP, LP, SLP; VHS index search; one -touch record; auto power on, rewind, play, stop, eject; comb filter; audio dubbing; headphone jack; hi -fi frequency response 20 -20,000 Hz ± 3 dB; 4 x 16.94 x 15.19; 20.1 lb. $1,000

**Video Buyers Guide 1989**

[44 pages]
system; x21 latching search with special effects; auto scan tuning; one-touch record with standby; Dolby B NR

VT3040AT VHS VCR
Table VHS VCR with 4 video-head system. Features remote, one-month/4-event on-screen programming; on-screen function displays; x21 latching search with special effects; x2 play in SP, SLP modes

VT3020AT VHS VCR
Table VHS VCR with 2 video-head system. Features remote on-screen display; one-month/2-event programming; x21 latching search; one-touch record; blue background/auto mute

PHILIPS
VR6885 S-VHS Hi-Fi VCR
Tabletop S-VHS Hi-Fi VCR with bar-code programming. Features 57-function remote control; PIP; 4 video heads; 8-event/30-day on-screen programming; MTS/SAP stereo decoder; digital special effects include still frame, video index search; TV still; multi-still-slow and channel search in 4, 9, and 16 frames; variable slow; x2 play; fast search at 21 times normal speed in SLP mode; one-touch record; HQ; plays and records in SP and SLP; auto eject; auto power off; play, stop, eject

VR6785 VHS Hi-Fi VCR
Tabletop S-VHS Hi-Fi with bar-code programming. Features VHS index search and address search; latching search forward/reverse; x2 play; still frame; frame advance; slow motion; double-speed play; 33-function remote control

VR6485 VHS VCR
Tabletop VHS with index search. Features intro scan; latching searches; still frame; frame advance; slow motion; double-speed play; 33-function remote control

PORTAVIDEO
VP-7700 Portable VHS VCP/TV
VHS-format play-only portable videocassette player with integrated 5" color TV. Features SP play speed; frame advance; still frame; auto rewind; soft eject; soft-touch microprocessor controls; built-in FM modulator; audio/video outputs; includes carrying case

VP-3100 Portable VHS VCP
VHS-format portable videocassette player. Features noiseless special effects; video dubbing; still frame; auto rewind; channel lock; audio dub; tape counter and reset button; soft eject mechanism; dew and power indicator lamps; soft-touch controls; video and audio outputs. Includes tamper-proof carrying case. Horizontal resolution 240 lines; video signal-to-noise 43 dB; audio FR 100-10,000 Hz; audio signal-to-noise 40 dB in normal mode; power requirements 120 V AC, 60 Hz

QUASAR
VH15085 S-VHS Hi-Fi VCR
Super-VHS VCR with bar-code programming and Hi-Fi stereo sound. Features 4 video heads; HQ, built-in MTS/SAP decoder; 155-channel quartz tun

DT 990 head-phones use "diffuse sound field equalization," based on new studies of how the human ear affects sound. This design produces a flat frequency response, accurately recreating the experience of the listening environment. "Hofaphan" diaphragms and Neodyne" magnets are two more reasons DT 93Gs have won technical and critical acclaim in Europe and America. They "...delivered a superb sound" and were "...remarkably comfortable to wear" according to Stereo Review.

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er, 1-year/8-event on-screen timer; VHS Index Search System; real time counter; high-speed picture search; CCD digital filter; auto power-on, play.

rewind, eject, direct drive cylinder and capstan motors: 3.25 x 15.38 x 11.63 in; $299

VR5485. As above, lacks S-VHS $399

VR5488 VHS VCR with Dolby Stereo
VHS VCR with bar-code programming and Dolby Stereo sound. Features four video heads; HQ, multi-in MTS/SAP decoder; 155-channel quartz tuner; 1-month/8-event on-screen timer; VSS; real time counter; high-speed picture search; CCD digital filter; auto power-on, play, rewind, eject; direct drive cylinder and capstan drive motors. 3.25 x 15.38 x 11.63 in; $450

VR5831 VHS VCR
VHS VCR with bar-code programming. Features compact design, 3 video heads; HQ, 155-channel quartz timer; 1-month/4-event on-screen timer; VSS, real time counter. CCD digital filter; auto power-on, play, rewind, eject; direct drive cylinder and capstan drive motors. 3.25 x 15.38 x 11.63 in; $430

VR5810 VHS VCR
VHS VCR with WSS, bar-code programming. Features 3 video heads; HQ, 155-channel quartz timer; 1-month/8-event on-screen timer; VSS, real time counter. CCD digital filter; auto power-on, play, rewind, eject; direct drive cylinder and capstan motors. 3.25 x 15.38 x 11.63 in; $590

real time

dispenser system; field-still video system; 4 double-azimuth video heads; 8-event/1-year remote-controllable on-screen programming; wireless remote; master tracking control; 120-channel cable-compatible tuner; 8-hour recording time; HQ, auto rewind, shutoff, power-on, play, eject. 3.25 x 17.5 x 14.5 x 13.6 lb; $699

VR475 VHS VCR
VHS VCR with Dolby features. Features MTS/SAP stereo decoder; simulcast recording; field-still special effects; 4 double-azimuth video heads; 6-event/1-year remote-controllable on-screen programming; master tracking control; 120-channel cable-compatible tuner; 8-hour recording time; HQ, auto rewind, shutoff, power-on, play, eject. 3.25 x 17.5 x 14.5 x 13.6 lb; $599

VR470 VHS VCR
VHS VCR with 4 double-azimuth video heads. Features field-still video system; 4 double-azimuth video heads; 6-event/1-year remote-controllable on-screen programming; master tracking control; 120-channel cable-compatible tuner; 8-hour recording time; HQ, auto rewind, shutoff, power-on, play, eject. 3.25 x 17.5 x 14.5 x 13.6 lb; $699

VR450 VHS VCR
VHS VCR with 110-channel cable-compatible tuner. Features 4-event/1-year remote-controllable on-screen programming; 120-channel cable-compatible tuner; auto programming timer; master tracking control; 8-hour recording time; HQ, auto rewind, shutoff, power-on, play, eject. 3.25 x 17.5 x 14.5 x 13.6 lb; $499

VR285 VHS VCR
VHS VCR with Dolby Stereo features MTS/SAP stereo decoder; simulcast recording 4-event/1-year remote-controllable on-screen programming; wireless remote control; 110-channel cable-compatible tuner; 8-hour recording time; auto programming timer; HQ, search/stop action; auto rewind, shutoff, power-on, play, eject. 3.25 x 14.5 x 14.9 in; 13.6 lb; $399

VR280 VHS VCR
VHS VCR with 110-channel cable-compatible tuner. Features 4-event/1-year remote-controllable on-screen programming; HQ, auto programming timer; 8-speed search/stop action; 8-hour recording time; auto rewind, shutoff, power-on, play, eject. 3.25 x 14.5 x 14.9 in; 13.2 lb; $399

VR285. As above with 1-year/8-event timer; VHS MTS/SAP decoder; 110-channel cable-compatible tuner; one-touch programming; 8-hour recording time; HQ, auto rewind, shutoff, power-on, play, eject. 3.25 x 17.5 x 15.38 x 13.6 in; $399

Model 44 VHS Hi-Fi VCR
Tabletop VHS Hi-Fi VCR with on-screen programming. Features 8-channel programming and special effects. Features remote control; four video heads; 122-channel cable-compatible tuner; 1-year/6-event timer; MTS/SAP stereo decoder; fast search; slow motion; freeze frame; frame advance; HQ; plays and records in SP, LP, SL; auto power-on, rewind, play, stop, eject; comb filter; 3.5 x 17.5 x 13.5 in; $500

Model 72 VHS VCR
Tabletop VHS VCR with 9-screen channel search and digital special effects. Features remote control; 110-channel cable-compatible tuner. 1-inch/8-event timer; HQ; plays and records in SP, LP, SL; auto power-on, rewind, play, stop, eject; comb filter; 3.5 x 17.5 x 13.5 in; $399

Model 34 VHS VCR
Tabletop VHS VCR with Dolby Stereo. Features remote control; 11-channel cable-compatible tuner; 14-day/6-event timer with on-screen programming; fast search; slow motion; freeze frame; one-touch recording; HQ; plays and records in SP, LP, SL; auto power-on, rewind, play, stop, eject; 5-step audio level meter; 3.75 x 16.75 x 12.5 in; $450

Model 25 VHS VCR
Tabletop VHS VCR with on-screen programming. Features remote control; 110-channel cable-compatible tuner; 14-day/6-event timer with on-screen programming; fast search; slow motion; freeze frame; frame advance; HQ; one touch record. 3.25 x 17.5 x 13.5 in; $400

Model 21 VHS VCR
Tabletop VHS VCR with on-screen programming. Features remote control; 110-channel cable-compatible tuner; 14-day/4-event timer with on-screen programming; HQ; one touch record; auto rewind; 3.5 x 15.25 x 13.25 in; $270

Model 10 VHS Cassette Player
Videocassette player without recording capability.
SANYO

**VHR8700 S-VHS Hi-Fi VCR**
Tabletop S-VHS Hi-Fi VCR with digital memory sound. Features outputs for chrominance and luminance, automatic program search; MTS/d Coco decoder, 4-head double azimuth special effects, 140-channel cable-compatible tuner, 14-day/4-event programming, on-screen display, quick-play mode, cue and review picture search in SP and SLP; memory rewind; tape remainder display; auto power-on, playback, rewind, and power-off/eject. $1,299

**VHR9350 VHS Digital Hi-Fi VCR**
Tabletop VHS Hi-Fi VCR with digital special effects. Features remote control; 4 video heads; 11-channel cable-compatible tuner; 4-event 14-day on-screen programming; MTS/SAP stereo decoder; digital special effects include picture-in-picture, mosaic, solarization, multi-still and -strobe, slow motion, freeze frame, frame advance; one-touch record; HQ; plays and records in SP/ LP. SLP speeds; auto power on, rewind, play, stop, eject; channel lock; record-level meters, left and right input-level controls. Video S/N: CH 90 dB, 17.3 x 3.75 x 15.6 in; 19.6 lb. $849

**VHR9600 VHS Hi-Fi VCR**
VHS Hi-Fi VCR with 4-head double-azimuth special effects. Features 122-channel frequency-synthesized tuner; 6-event/21-day remote on-screen programming; special effects include clean pause, still, frame advance, slow motion, quick play, automatic tuner programming, quick-touch record, direct-access tuning, channel scan. MTS/d Coco decoder, Digital Memory Sound System (DMSS); repeat; 2-speed cue and review, linear time counter, auto power-on, play, rewind, power-off/eject. $499

**VHR9500 VHS Hi-Fi VCR**
VHS Hi-Fi VCR with MTS/d Coco stereo decoder. Features 6-event/21-day on-screen programming; 122-channel frequency-synthesized tuner; quick timer record; pause-still mode; repeat; 2-speed cue and review, linear timer counter, auto power-on, play, rewind/eject; 27-function remote control. $399

**VHR9100.** As above, without VHS Hi-Fi or MTS decoder, onscreen programming, 26-function remote. $279

**VHR8340 VHS Hi-Fi VCR**
VHS VCR with 4-head double-azimuth special effects. Features 28-function remote control; 122-channel frequency-synthesized tuner; special effects include clean pause, still, frame advance, slow motion, and quick play; automatic tuner programming; direct-access tuning, quick-touch record; linear time counter; channel scan, repeat; 2-speed cue and review; auto power-on, play, rewind/eject. $599

**VHR9200 VHS VCR**
VHS VCR with 26-function remote control. Features automatic tape speed selection; selectable automatic rewind/shuttle or rewind/forward/reverse picture search; carrying handle; audio/video outputs. $200

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VP-5000N Portable TV/Videocassette Player

Portable 5" monitor/receiver with built-in videocassette player. No recording capability. Player features freeze frame, auto rewind, tape monitor.

SvR-160 VHS HQ VCR

VHS tabletop videocassette recorder with HQ circuitry. Features 4-event/28-day on-screen programmable timer; 10-channel cable-compatible frequency-synthesized tuner; 30-function random-access infrared remote control; one touch recording; 2-speed (9x and 21x) visual search and still-frame/pause functions in EP mode; auto power-on; play and rewind; and LED display.

5-event/7-day timer:

$329

SHARP

VC-H857U Stereo Hi-Fi VCR

VHS tabletop VCR with MTS/SAP. Features HQ circuitry, 1-year/8-event daily/weekly/2-day repeat. Programmable timer; 10-channel cable-compatible PLL synthesized tuner; 62-function wireless remote control; auto power on/playback/repeat function, one-touch recording; 15x search; VHS index search system; still frame: variable slow motion; frame advance; blue screen, noise elimination system; remote control; channel memory; tamper-proof functions; on-screen operating functions, 4 heads, auto dimmer, 3.22 x 16.91 x 13.59 in.

$699

VC-M701U VHS Stereo VCR

Table-model VHS VCR with MTS/SAP stereo decoder. Features HQ circuitry, 36-function remote control; 4 heads; 10-channel random access tuner; remote control; 2 speed forward and reverse search; on-screen programming; 2-event, daily/weekly repeat programmable timer; auto play; 2 speed forward and reverse search; on-screen programming; 4-event, fourteen-day, daily/weekly repeat programmable timer; still frame; variable slow motion; frame advance; blue screen, noise elimination; 3.66 x 16.92 x 13.58 in.

$600

VC-A601U 4-Head HQ VCR

Table-model VHS VCR with 10-channel PLL quartz synthesized tuning, and 10-key random access; auto play; 27-function remote control; 2 speed forward/reverse video search; 14/4-event, daily/weekly repeat programmable timer; still frame; variable slow motion; frame advance; recording timer with automatic return function; 3.66 x 16.94 x 13.75 inches.

$530

VC-A500U VHS HQ VCR

HQ system with double comb filter; 14/4-event timer with daily and weekly repeat recording; 10-channel voltage synthesized tuner; 17-function remote control; 2 speed forward/reverse video search; auto power on/rewind; still frame, variable slow motion; frame advance; one-touch start timer recording; 4 heads; 3.66 x 16.92 x 12.09 in.

$500

VC-2200U VHS HQ VCR

HQ VCR with 110 channel PLL quartz synthesized tuner; 10-key random access. Features recording timer with auto restart; auto playback; 24-function remote control; 14/4-event daily/weekly repeat programmable timer; 2 speed forward/reverse search; 3.66 x 16.94 x 13.75 in.

$430

SHINTOM

VP-5000N Portable TV/Videocassette Player

Portable 5" monitor/receiver with built-in videocassette player. No recording capability. Player features freeze frame, auto rewind, tape monitor.

SvR-160 VHS HQ VCR

VHS tabletop videocassette recorder with HQ circuitry. Features 4-event/28-day on-screen programmable timer; 10-channel cable-compatible frequency-synthesized tuner; 30-function random-access infrared remote control; one touch recording; 2-speed (9x and 21x) visual search and still-frame/pause functions in EP mode; auto power-on; play and rewind; and LED display.

5-event/7-day timer:

$329

SHARP

VC-H857U Stereo Hi-Fi VCR

VHS tabletop VCR with MTS/SAP. Features HQ circuitry, 1-year/8-event daily/weekly/2-day repeat. Programmable timer; 10-channel cable-compatible PLL synthesized tuner; 62-function wireless remote control; auto power on/playback/repeat function, one-touch recording; 15x search; VHS index search system; still frame: variable slow motion; frame advance; blue screen, noise elimination system; remote control; channel memory; tamper-proof functions; on-screen operating functions, 4 heads, auto dimmer, 3.22 x 16.91 x 13.59 in.

$699

VC-M701U VHS Stereo VCR

Table-model VHS VCR with MTS/SAP stereo decoder. Features HQ circuitry, 36-function remote control; 4 heads; 10-channel random access tuner; remote control; 2 speed forward and reverse search; on-screen programming; 2-event, daily/weekly repeat programmable timer; auto play; 2 speed forward and reverse search; on-screen programming; 4-event, fourteen-day, daily/weekly repeat programmable timer; still frame; variable slow motion; frame advance; blue screen, noise elimination; 3.66 x 16.92 x 13.58 in.

$600

VC-A601U 4-Head HQ VCR

Table-model VHS VCR with 10-channel PLL quartz synthesized tuning, and 10-key random access; auto play; 27-function remote control; 2 speed forward/reverse video search; 14/4-event, daily/weekly repeat programmable timer; still frame; variable slow motion; frame advance; recording timer with automatic return function; 3.66 x 16.94 x 13.75 inches.

$530

VC-A500U VHS HQ VCR

HQ system with double comb filter; 14/4-event timer with daily and weekly repeat recording; 10-channel voltage synthesized tuner; 17-function remote control; 2 speed forward/reverse video search; auto power on/rewind; still frame, variable slow motion; frame advance; one-touch start timer recording; 4 heads; 3.66 x 16.92 x 12.09 in.

$500

VC-2200U VHS HQ VCR

HQ VCR with 110 channel PLL quartz synthesized tuner; 10-key random access. Features recording timer with auto restart; auto playback; 24-function remote control; 14/4-event daily/weekly repeat programmable timer; 2 speed forward/reverse search; 3.66 x 16.94 x 13.75 in.
in-picture; RMT-160 Remote Commander with direct access; editing functions include synchron start, end, fast forward, rewind; remote play, S terminal; Micro- Timing phase circuitry; linear time counter; Betascan; Betascan auto; auto rewind, eject; power-off, playback. Hi-fi audio section: dynamic range >80 dB; FR 20-20,000 Hz; w&f <0.005%. Video S/n >45 dB; 17 x 4 x 16.1 in. 21.2 lb. 

EV-S1 Portable 8mm PCCM VCR Portable 8mm VCR with PCM sound. Features: MTS/SAP stereo decoder; hi-end recording with metal tape; freeze-frame; slow motion; 10-key wireless; RMT-I 56 Remote Commander. 139-channel cable-compatible tuner; 3-event/2-week programming; special effects include freeze-frame, flash and stop motion with sound; picture art, and recall; editing functions include edit-switch, from front-panel A/V input, control S terminal; BetaScan; BetaScan auto; auto rewind, eject; power-off/on; playback. Hi-fi audio section: dynamic range >80 dB; FR 20-20,000 Hz; w&f <0.005%. Video S/n >45 dB; 17 x 8.2 x 5.75 in. 1 kg. 

SI-HF840 Digital Super Beta Hi-Fi VCR Super Beta Hi-Fi VCR with digital special effects. Features: HIS playback speed; 149-channel cable-compatible tuner; 6-event/1-week programming; special effects include freeze-frame, flash and stop motion; video-in-picture, Betascan auto; rewind, eject; audio mute; on-screen function displays; variable slow and skip search. 

SI-HF360 Super Beta Hi-Fi VCR Super Beta Hi-Fi VCR with Betascan high-speed search. Features: HIS playback speed; freeze-frame, color and sharpen switches; 149-channel cable-compatible Express Tuning system: 1-event/1-week timer, linear time counter; frame/clock button; auto rewind, play, power-off, power-on/off, play, eject; stereo headphone jack with adjustable level; RMT-156 Remote Commander. Video S/n >45 dB. Hi-fi audio section: dynamic range >80 dB; FR 20-20,000 Hz; w&f <0.005%. 17 x 4 x 15.3 in. 19 lb. 

SI-330 Super Beta VCR Super Beta VCR with HIS playback speed. Features: 149-channel cable-compatible Express Tuning system: 1-event/1-week timer, linear time counter; frame/clock button; auto rewind, play, power-off, power-on/off, play, eject; stereo headphone jack with adjustable level; RMT-156 Remote Commander. Video S/n >45 dB. Hi-fi audio section: dynamic range >80 dB; FR 20-20,000 Hz; w&f <0.005%. 17 x 3.75 x 14.6 in. 14.8 lb. 

SYLVANIA VC4070AT VHS Hi-Fi VCR Tabletop VHS Hi-Fi VCR with on-screen remote programming. Features: 45-function remote control, 4 heads, 8-event/1-month programming. For explanations of abbreviations, specifications and technical terms, consult the glossary on page 109.
**VIDEOCASSETTE RECORDERS**

**M-7480 VHS VCR**
VHS VCR with HQ Pro. Features 122-channel cable-compatible tuner; 4-event/14-day remote control on-screen programming in color; 4 video heads; full-load system; tape remaining counter; linear time counter; 10-key random access frequency-synthesized tuning; 2-speed slow motion; remote control. 15 lb... $700

**M-7850 VHS VCR**
VHS VCR with HQ Pro. Features 32-function wireless remote control; 4-event/14-day on-screen programming; 122-channel frequency-synthesized cable-compatible tuner with 10-key random access; one-touch timer record; 2-speed picture search; 2-speed slow motion; auto play; remote control. 15.5 lb... $680

**M-9485 VHS Hi-Fi VCR**
VHS Hi-Fi VCR with 4 double-azimuth video heads. Features 122-channel cable-compatible frequency-synthesized tuner. MTS/SAP stereo decoder; full-load system; tape remaining counter; color on-screen programming; 4-event/14-day timer; HQ Pro; linear time counter; 10-key random access tuning... $649

**M-4285 VHS VCR**
VHS VCR with digital picture-in-picture. Features 122-channel cable-compatible tuner; picture-in-picture includes 4-screen size, relocate, and swap; full-load system; HQ Pro; tape remaining counter; color on-screen programming; 4-event/14-day timer; HQ Pro; linear time counter; 10-key random access frequency-synthesized tuning; 4-event/14-day programming; 2-speed slow motion... $610

**M-3280 VHS VCR**
VHS VCR with color on-screen programming. Features 122-channel cable-compatible tuner; 4-event/14-day timer; HQ Pro; tape remaining counter; linear time counter; 10-key random-access frequency-synthesized tuning; elapsed time counter; one-touch record; 2-speed picture search; 2-speed slow motion; sharpness control. 19 lb... $530

**M-2283 VHS VCR**
VHS VCR with 4-event/14-day on-screen programming. Features 122-channel cable-compatible tuner; HQ Pro; 32-function wireless remote control; 10-key random-access frequency-synthesized tuning; elapsed time counter; one-touch timer record; 2-speed picture search; 2-speed slow motion; auto play; sharpness control. 19 lb... $530

**M-1283 VHS VCR**
VHS VCR with 4-event/14-day programming. Features 122-channel cable-compatible tuner; HQ Pro; 20-function wireless remote control; 10-key random-access frequency-synthesized tuning; elapsed time counter; one-touch timer record; 2-speed picture search; 2-speed slow motion; auto play; sharpness control. 19 lb... $530

**M-P2080 VHS Hi-Fi Videocassette Player**
Player only. Features VHS Hi-Fi; 9-function wireless remote control; audio level meter; HQ Pro with edit mode; 2-speed picture search; 2-speed slow motion; headphone jack with adjustable level; auto power-on, rewind, and play; picture sharpness control... $399

**TOLEVISON**

**CB-5000 VCP with 5" Color Monitor**
VHS videocassette player with 5" color monitor in foam-lined polyethylene carrying case with locking steel latches; operates in case, can be used with SC adapter or DC car cord. VCP features auto repeat; picture search in forward and reverse; freeze frame; plays in SP, LP, and SLP. Monitor features sun... $658

**CB7000 VCP with Color Monitor**
VHS videocassette player with built-in 5" color monitor and carrying handle that also can be used to tilt unit up. Flat, square picture tube; one-speed (SP) play, auto repeat; freeze frame; volume control; metal case. 15 x 5 x 16.5 in; 20 lb... $613

**GS-500 VHS VCR**
Plays in SP, LP, and SLP; auto repeat; auto front loading; auto rewind; picture search in forward and reverse; freeze frame; protects tape from excessive humidity; die-cast aluminum chassis; black finish. 2-way DC adapter powers VCP and TV from single cigarette lighter; handle on side... $280

**GS-4000**
Similar to above but works on AC power only and lacks handle... $261

**VECTOR RESEARCH**

**V-6040D VHS Hi-Fi Digital VCR**
Tabletop VHS Hi-Fi VCR with digital special effects. Features remote control; video heads; 124-channel cable-compatible tuner; 3-event/28-day on-screen programming; MTS/SAP stereo decoder; digital special effects include fast search, slow motion, frame advance; HQs; (HQ with the addition of a wide band filter circuit); plays and records in SP, LP, SLP. Horizontal resolution >240 lines; video SNR >47 dB; audio FR 20-20,000 Hz ±2 dB. 33 x 16.47 in; 17.6 lb... $1,099

**V-5040 VHS Hi-Fi VCR**
Tabletop remote-controlled VCR with 28-day, 3-event timer. Features SP, LP, SLP, SP play and record speeds, linear stereo; Dolby NR, frame advance; noiseless special effects; remote pause; still frame; auto rewind; channel lock; auto fine tuning; one-touch recording; one-touch playback; 4 double-azimuth heads. HQ 21x picture tubes; MTS 140-channel cable-compatible tuner with direct access; on-screen programming; audio level controls with level meter; tracking meter; program search. Horizontal resolution 240 lines; video signal-to-noise ratio 47 dB; audio frequency response 20-20,000 Hz ±3 dB in hi-fi mode; audio distortion 0.5% in hi-fi mode; audio signal-to-noise ratio 90 dB in hi-fi mode; remote function includes 49-screen size, relocate, and swap; full-load system; tape remaining counter; linear time counter; 10-key random access frequency-synthesized tuning; elapsed time counter; one-touch timer record; 2-speed picture search; 2-speed slow motion; auto play; sharpness control. 19 lb... $850

**YAMAHA**

**YV-1110S S-VHS Hi-Fi VCR**
Hi-Fi Super VHS VCR with 4 + 2 head design. Features PIP, remote control interactive with Yamaha TV models; 4 event on-screen programming. 140-channel, HQ Pro; MTS tuner, indexing... $749

**YV-810D VHS Hi-Fi VCR**
VHS Hi-Fi VCR with HQ. Features 4 + 2 head design; remote control interactive with Yamaha TV's; 21 day/8 event timer; on-screen programming; MTS tuner... $649

**ZENITH**

**YVE550HF Super VHS Hi-Fi VCR**
Tabletop VHS VCR with Super VHS. Features Hi-Fi stereo sound; MTS/SAP decoder; HQ; 6 heads; 157-channel quartz tuner; unified TV/VCR remote control; 14-day/8-event on-screen programming; World System Teletext encoder, VHS Index Search System; flying erase head; edit switch; 5 speed slow motion; records in SP and EP modes; plays back in SP, LP and EP modes; auto power-on, play, rewind, eject; horizontal resolution 400 lines (S-VHS); video signal-to-noise ratio >43 dB; hi-fi frequency response 20-20,000 Hz; hi-fi SNR >90 dB (S-VHS). 3.74 x 17.12 x 13 in... $1,150

**VRE510HF VHS Hi-Fi VCR**
Tabletop VHS VCR with hi-fi stereo sound. Features MTS/SAP decoder; HQ; 6 heads; 157-channel quartz tuner; unified TV/VCR remote control; 14-day/4-event on-screen programming; VSS; 5 speed slow motion; records in SP and EP modes; plays back in SP, LP and EP modes; auto power-on, play, rewind; horizontal resolution 240 lines; video signal-to-noise ratio >43 dB; hi-fi frequency response 20-20,000 Hz; hi-fi SNR >80 dB. 3.34 x 17.12 x 13.03 in... $600

**VRE205 VHS 4-Head VCR**
Tabletop VHS VCR with on-screen remote programming. Features 4 video heads; 157-channel quartz tuner; unified TV/VCR remote control; 14-day/4-event on-screen programming; VSS; 5 speed slow motion; records in SP and EP; plays back in SP, LP and EP; auto power-on, play, rewind, eject; horizontal resolution 240 lines; video signal-to-noise ratio >43 dB; simulating wood grain finish. 3.74 x 17.12 x 13.07 in... $400

**YVRE200**
As above; black finish... $400

**YVRE155 VHS VCR**
Tabletop VHS VCR. Features 3 video heads; 157-channel quartz tuner; unified TV/VCR remote control; 14-day/4-event on-screen programming; VSS; 5 speed slow motion; records in SP and EP; plays back in SP, LP and EP; auto power-on, play, rewind, eject; horizontal resolution 240 lines; video signal-to-noise ratio >43 dB. Simulated wood grain finish. 3.74 x 17.12 x 13.07 in... $350

**YVRE150**
As above, black finish... $350

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**PRICES LISTED**

are manufacturers' suggested retail prices
(also referred to as list prices; actual selling prices are set by individual dealers.
All prices are subject to change without notice.

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CANON

FM-909S S-VHS Camcorder
S-VHS camcorder with 0.9" electronic viewfinder. 360,000-pixel CCD image sensor; 8-88-mm f/1.2 power zoom lens; focus range 3.9 feet; 4 heads; up to six hours recording time in SLP mode; 3 high-speed shutter modes, dual-zone autofocus; full auto white balance; color balance control; auto exposure with manual iris control; fade function; auto date/time function; record review; freeze frame; search forward or backward; 120-minute rechargeable battery; AC power adapter/battery charger; RF adapter; wired remote controller cord; car battery adapter; shoulder strap. Minimum light 7 lux, horizontal resolution 400 lines; 5.8 lb without battery pack. $2,400

E708 Canonvision 8mm Camcorder
8mm camcorder with 0.7 electronic viewfinder. 360,000-pixel CCD image sensor; 8-88-mm f/1.2 power zoom lens; focus range 3.9 feet; Digital special effects: still and slow-motion playback, strobe; auto knee circuit improves detail in bright scenes; dual metering patterns; flying erase head; hi-fi sound reproduction; wireless remote controller. Built-in audio/video input/output terminals, white balance lock: sepia special effect for antique look; automatic black or white fade; built-in title and auto-date functions; rotating viewfinder for left or right eye use; record review. AC power adapter/battery charger; RF adapter; 70-minute rechargeable battery; shoulder strap. Minimum light 7 lux; 3.3 lb without battery pack. $1,800

VM-E2N Canonvision 8mm Camcorder
8mm camcorder with 0.7 electronic viewfinder. 250,000-pixel CCD image sensor; 8-48-mm f/1.2 power zoom lens; freeze frame; search forward or backward at 5 normal speed; maximum recording time 2 hours; record review; fade; flying erase head; sepia special effect for antique look; auto or manual focus with one-shot mode to lock focus; focus range 3.9 feet; auto white balance with indoor/outdoor switch; auto exposure with manual iris control; LCD readout with counter and mode display. Comes with RU-E2 adapter for playing tapes on TV, 90-minute rechargeable battery. AC power adapter, battery coupler, RF adapter, blank tape, shoulder strap. Minimum light 5 lux, horizontal resolution 330 lines; audio frequency response 30-14,000 Hz. 3 lb; 8 oz without battery. $1,699

CV-50A Pro Color Video Camera
Accu-Vision color video camera with f/1.4 10x power zoom lens with macro. Features 1/3- 6-MHz Super High-Band Saticon tube; 1" monochrome viewfinder (color optional) displays status of fade, filter, auto white balance, light, focus, gain, recording, battery level, auto/ manual exposure, detachable electret condenser stereo mic switchable to mono for increased directionality; typewriter-style character generator with seven colors and variable character size and scrolling holds eight pages of text; adjustable grip; rotating eyepiece; date, time, and stopwatch data can be superimposed on tape, interval recording; comes with viewfinder, strap, and lens cap. Minimum light 10 lux, horizontal resolution >420 lines. Video s/n >47 diff. 5 lb 8 oz. $1,995

CHINON

CV-T80 EZ Movie/Pro VHS Camcorder
VHS camcorder with electronic image stabilization and multi-stage autofocus system. Features HQ. 1/2" CCD pickup for 300 lines horizontal resolution: 270,000-pixel CCD image sensor; 9.5-54mm f/1.4 power zoom lens; focus range 3.9 feet, macro to 4mm; flying erase head; hi-fi sound reproduction, timer, record review; high speed shutter; white balance lock; backlight compensation; white fade; AC power adapter/battery charger. RF adapter: 45-minute rechargeable battery; shoulder strap. Minimum light 7 lux, 2.4 lb without battery pack. $1,599

VC-50A Pro Color Video Camera
Accu-Vision color video camera with f/1.4 10x power zoom lens with macro. Features 1/3- 6-MHz Super High-Band Saticon tube; 1" monochrome viewfinder (color optional) displays status of fade, filter, auto white balance, light, focus, gain, recording, battery level, auto/ manual exposure, detachable electret condenser stere omic switchable to mono for increased directionality; typewriter-style character generator with seven colors and variable character size and scrolling holds eight pages of text; adjustable grip; rotating eyepiece; date, time, and stopwatch data can be superimposed on tape, interval recording; comes with viewfinder, strap, and lens cap. Minimum light 10 lux, horizontal resolution >420 lines. Video s/n >47 diff. 5 lb 8 oz. $1,995

VCAM 18 VHS-C Camcorder
VHS-C camcorder with HQ. Features electronic 0.6" viewfinder; 6.1 1/4-2.0 power zoom lens; 9" CCD pickup; 210,000 pixels; 10X high-speed shutter; automatic focus; 40-minute max recording time; autofocus: 2-speed selectable; recording and playback; one-touch, one-button record; auto auto white balance; built-in condenser mic; tracking control; high-speed search; still/pause; hard reset; auto rewind. Comes with AC power adapter/battery charger: rechargeable battery; casette adapter; RF modulator, shoulder strap. 4.1 x 5.6 x 9.5 inches. 2.64 lb. $1,290

EMERSON

VCAM-18 VHS-C Camcorder
VHS-C camcorder with HQ. Features electronic 0.6" viewfinder; 6.1 1/4-2.0 power zoom lens; 9" CCD pickup; 210,000 pixels; 10X high-speed shutter; automatic focus; 40-minute max recording time; autofocus: 2-speed selectable; recording and playback; one-touch, one-button record; auto white balance; built-in condenser mic; tracking control; high-speed search; still/pause; hard reset; auto rewind. Comes with AC power adapter/battery charger: rechargeable battery; casette adapter; RF modulator, shoulder strap. 4.1 x 5.6 x 9.5 inches. 2.64 lb. $1,290
### Camcorders & Video Cameras

<table>
<thead>
<tr>
<th>Brand</th>
<th>Model</th>
<th>Features</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fisher</td>
<td>CG-9825 Super VHS Camcorder</td>
<td>High-speed electronic shutter, 420 lines horizontal resolution</td>
<td>$1,400</td>
</tr>
<tr>
<td></td>
<td>CG-9806 VHS HQ Camcorder</td>
<td>Digital auto focus, CCD pickup, HQ circuitry, 330,000 pixels effective (360,000 pixels)</td>
<td>$1,199</td>
</tr>
<tr>
<td></td>
<td>GR-S55U VHS-C Camcorder</td>
<td>Uses VHS-C tape or S-VHS-C tape, 1-hour recording time in EP, 1/2&quot; field-storage CCD pickup with 330,000 effective (360,000 pixels)</td>
<td>$1,599</td>
</tr>
<tr>
<td></td>
<td>GR-40U VHS-C Camcorder</td>
<td>Auto-focus camcorder with 4-page digital superimposition</td>
<td>$1,799</td>
</tr>
<tr>
<td></td>
<td>GR-25U VHS-C Camcorder</td>
<td>As above, VHS only; no S-VHS outputs; 2-speed 6:1 power zoom lens, 9.5 mm (9-54 mm)</td>
<td>$2,299</td>
</tr>
<tr>
<td></td>
<td>GR-35U VHS-C Camcorder</td>
<td>1-hour recording time in EP, one-button full-auto operation, recording time counter</td>
<td>$2,599</td>
</tr>
<tr>
<td></td>
<td>GR-100U VHS-C Camcorder</td>
<td>As above, VHS-C camcorder with master edit control system</td>
<td>$2,899</td>
</tr>
</tbody>
</table>

- **VCM14 VHS-C Camcorder**
  - Features CCD pickup, 420 lines horizontal resolution.
  - **Price**: $1,600

- **GF-S1000HJ Super VHS Hi-Fi Camcorder**
  - Features digital auto focus, CCD pickup, electronic viewfinder with adjustable eyepiece, hour recording capability, 2-hour recording time, 8x power zoom lens.
  - **Price**: $1,899

- **GF-S550U VHS-C Camcorder**
  - Features digital auto focus, 420 lines horizontal resolution.
  - **Price**: $2,499
Your audio-video system should be a reflection of your lifestyle. That's why you'll want the ultimate in picture, sound and design. Introducing Proton's new AV27 remote-controlled audio-video system. It starts with our stunning new 27" flat screen stereo monitor/receiver. Never before have you seen a picture so real. With rich, deep blacks. Sparkling whites. Colors so pure. Dimension so incredible. It's everything you'd expect from the company that earned Video Magazine's prestigious Product of the Year award, monitor/receiver category.

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PROTON

737 W. Artesia Blvd., Compton, CA 90220
MAGNAVOX

CV-3360 VHS Camcorder
VHS camcorder with 1/3" CCD imager. Features auto-focus, auto image stabilizer, flying erase head; 3 position high-speed shutter; f/1.6 x10 power zoom

CV-3320 VHS Camcorder
VHS camcorder with 0.5" CCD imager. Features flying erase head; video index search system; time-lapse recording of one second per minute; f/1.4 x 8 power zoom; 2 position high-speed shutter; self-timer recording capabilities; 7-lux sens; 6 lb $1,500

CV-3310 VHS Camcorder. As above except 6x zoom, and no flying erase head $1,350

MINOLTA

Master Series-V 2100i S-VHS Camcorder
Features S-VHS; >450 lines horizontal resolution; 1/4 MOS image sensor; f/1.2, f/1.2, 6:1 zoom lens with macro; 99 -position adjustable viewfinder; bidirectional visual search; continuous auto white balance with manual override; TTL auto white balance with manual override; auto/manual iris; 10 lux minimum illumination; 24x zoom possible with 4 optional converter lenses; continuous auto white balance with white balance lock; dual-area metering auto exposure with auto exposure lock; unlimited microphone; 100-sec electronic high-speed shutter; self-timer; intervalometer; synchro dubbing; edit functions; automatic date/time insertion $1,765

CV-40U S-VHS Camcorder
Fully-automatic camcorder with CCD pickup. Features variable high-speed shutter, selectable quick review; time/date stamp; leveling indicator in viewfinder; 6:1 power zoom with macro; 99-position address search; 2-way power supply; electronic viewfinder; bidirectional speed search; auto focus, white balance, and iris. Comes with carrying case, shoulder strap, adaptors, battery charger, cables and connectors $1,859

NEC

V50U VHS Camcorder
VHS camcorder with piezo auto-focus system. Features HQ; 1/3" CCD pickup; f/1.2; 6:1 zoom lens with macro and auto iris; 10 lux minimum light; 99 -position adjustable viewfinder; bidirectional visual search; wind-noise cutout switch; audio dubbing; insert editing. Comes with SC adapter, battery pack, charging connector, shoulder strap, remote control unit; A/V converter connector 4.7 x 8.8 x 15.7 in; 5 lb $1,859

CV-40U VHS-C Camcorder
VHS-C camcorder with HQ. Features 1/3" CCD pickup; 10-lux minimum light; 0.6" B&W viewfinder; 6:1 2-speed zoom lens with macro; electronic shutter, auto-sensing focus; auto color-tracking white balance; back-light compensation; simultaneous A/V switching; HDD/SD dubbing; alarm indicators; 8x optical zoom; 8x electronic zoom; electronic viewfinder; bidirectional speed search; 2-way power supply; electronic viewfinder; bidirectional speed search; auto focus, white balance, and iris. Comes with carrying case, shoulder strap, adaptors, battery charger, cables and connectors $2,350

Built-in mic; monitor button; pause/stop button; 4.4 x 5.9 x 9.6 in; 2.6 lb with viewfinder $1,700

GR-330U VHS-C Camcorder
Auto-focus camcorder with HQ. Features 1/3" CCD pickup; horizontal resolution 420 lines; 8-lux min illumination; 0.6" electronic viewfinder; auto iris, auto backlight compensation; auto white balance; f/1.4 6:1 power zoom lens (8.5-51 mm) with macro; 60-minute max recording time; date/time insertion; 1/2 and 1/200-sec shutter speeds; audible trigger warning; optional wireless mic; zero-frame editing; electronic shutter; 9-54 mm f/1.4 6:1 power zoom (8.5-51 mm) with macro; 60-minute max recording time; date/time insertion; 1/2 and 1/200-sec shutter speeds; audible trigger warning; insert edit button; 330 lines horizontal resolution; 10 lux minimum light; 0.6" B&W viewfinder; auto focus, white balance, and iris. Comes with carrying case, shoulder strap, adaptors, battery charger, cables and connectors $1,699

Accessories for GR-335U
WM-41U: Wireless microphone $150
CG-60U: Character generator $120
CV-355U: Carrying case $120
CG-50U: Character generator $100
BH-35U: Car battery charger (for AC power) $95
MZ-320: Super-directional microphone $60
AP-P1U: Car battery cord (for DC power) $55
BN-V65U: High-capacity battery pack (70 to 90 minutes) $45
CB-P4U: Carrying bag $70
CN-V56U: Remote pause control $6

MITSUBISHI

HS-CC50U S-VHS-C Camcorder
Fully-automatic camcorder with CCD pickup. Features variable high-speed shutter, selectable quick review; time/date stamp; leveling indicator in viewfinder; 6:1 power zoom with macro; 99-position address search; 2-way power supply; electronic viewfinder; bidirectional speed search; auto focus, white balance, and iris. Comes with carrying case, shoulder strap, adaptors, battery charger, cables and connectors $1,859

CV-40U VHS-C Camcorder
VHS-C camcorder with HQ. Features 1/3" CCD pickup; 10-lux minimum light; 0.6" B&W viewfinder; 6:1 2-speed zoom lens with macro; electronic shutter, auto-sensing focus; auto color-tracking white balance; back-light compensation; simultaneous A/V switching; HDD/SD dubbing; alarm indicators; 8x optical zoom; 8x electronic zoom; electronic viewfinder; bidirectional speed search; 2-way power supply; electronic viewfinder; bidirectional speed search; auto focus, white balance, and iris. Comes with carrying case, shoulder strap, adaptors, battery charger, cables and connectors $2,350

VIDEO BUYERS' GUIDE 1989

MAGNAVOX

CV-3360 VHS Camcorder
VHS camcorder with 1/3" CCD imager. Features auto-focus, auto image stabilizer, flying erase head; 3 position high-speed shutter; f/1.6 x10 power zoom

CV-3320 VHS Camcorder
VHS camcorder with 0.5" CCD imager. Features flying erase head; video index search system; time-lapse recording of one second per minute; f/1.4 x 8 power zoom; 2 position high-speed shutter; self-timer recording capabilities; 7-lux sens; 6 lb $1,350

CV-3310 VHS Camcorder. As above except 6x zoom, and no flying erase head $1,350

MINOLTA

Master Series-V 2100i S-VHS Camcorder
Features S-VHS; >450 lines horizontal resolution; 1/4 MOS image sensor; 10 lux minimum illumination; variable-speed shutter (2 sec, 1/4, 1/10, 1/25, 1/50); 11-88 mm f/1.2 8x power zoom lens with macro; auto-focus with manual override; TTL auto white balance; auto/manual iris; auto/manual iris; full-information adjustable 1/4 electronic viewfinder; bidirectional visual search; wind-noise cutout switch; date/time insertion $1,765

Master Series 8-8200 8mm Camcorder
Features 1/2" CCD image sensor; 7 lux min illumination; 330 lines horizontal resolution; 10-sec high-speed shutter; 9-54 mm f/1.4 6x power zoom lens; autofocus with manual override; TTL auto white balance with manual override; auto/manual iris; full-information adjustable 1/4 electronic viewfinder; bidirectional visual search; wind-noise cutout switch; date/time insertion $1,645

Master Series-V 1400i VHS Camcorder
Features 1/4 MO image sensor; 45 lux minimum illumination; 350 lines horizontal resolution; variable high-speed shutter; self timer; 12.72 mm f/1.6 6x power zoom lens; auto focus w/ one shot or manual power focus; continuous TTL white balance; 1/4 electronic viewfinder; s/N > 45 dB; 4 head mono audio; 160 minutes max recording/playback time; 3x forward/reverse visual search; freeze frame; date insertion $1,699

Master Series-C 50 VHS-C Camcorder
Features through-the-lens phase detection; multi-dimensional auto-focus; 1/3" CCD image sensor; 300,000 pixels; 330 lines horizontal resolution; 10 lux min illumination; 6.9 54 mm f/1.6 power zoom lens; 24x zoom possible with 4 optional converter lenses; continuous auto white balance with white balance lock; dual-area metering auto exposure with auto exposure lock; unlimited microphones; 100-sec electronic high-speed shutter; self-timer; intervalometer; synchro dubbing; edit functions; automatic date/time insertion $1,799
NIKON

VN-810 8mm Camcorder
8mm camcorder with 1/2" CCD image sensor. Features f/1.2 6x power zoom lens; auto focus; auto exposure; continuous auto white balance; 120 minutes recording time with P6-120 tape; 0.6" electronic viewfinder. Minimum light 7 lux, 3 lb $1,800.

VN-S3000 VHS Camcorder
Full-size VHS camcorder with 1/2" CCD sensor. Features f/1.2 6x power zoom lens; auto focus; auto exposure; auto white balance; 2 hours 40 minutes recording time with T-160 tape; 0.7" electronic viewfinder. Minimum light 7 lux, 7 lb $1,650.

OLYMPUS

VX-S405 S-VHS Camcorder
S-VHS camcorder with electronic high speed shutter. Features digital special effects. Gain up (allows shooting in low light to 1 lux), wipe, split-screen, strobe. 1/2" CCD image sensor; f/1.2 9-54mm 6x power zoom lens; auto focus; auto white balance. HQ: VHS index search; flying erase head; edit switch; recording time eight hours with T-160 tape in SLP mode; 1/2" B&W electronic viewfinder with adjustable diopter correction; record review; macro focus; fade in/out; backlight switch; earphone jack. Controls: record, play, stop, pause, still frame, frame advance. Minimum light 7 lux, 1 lux with gain up: two-hour rechargeable battery; power consumption 15 watts, 9 x 16.25 x 4.62 in, 6.6 lb (without battery)... $2,500.

VX-802 8mm Camcorder
8mm camcorder with electronic high speed shutter. Features 1/2" CCD image sensor; f/1 2.9-54mm 6x power zoom lens; auto exposure; auto white balance; HQ: recording time 2 hours with 8mm cassette; electronic viewfinder with diopter; record review; macro focus; fade in/out; backlight switch. Controls: record, play, stop, pause, still frame, frame advance. Minimum light 7 lux, 2.6 lb $1,750.

Accessories for VX-802
VF-BA82: AC adapter/battery charger with RF converter, audio/video input and output for VX-802... $108.
VF-KG2: Character generator for VX-802... $270.
VF-KL4: Video telecon lens, 49mm diameter, 1.5x magnification... $108.
VF-KL5: Video wide-conversion lens, 49mm diameter, 0.7 magnification... $108.
VF-CS82: Hard carrying case for VX-802... $99.
VF-BP81: Battery pack for VX-802... $49.
VF-RM7: Wired remote control... $20.

PANASONIC

PV-7000 8mm Camcorder
8mm camcorder with electronic image stabilization mechanism and circuitry. Features electronic high-speed shutter; 10x power zoom lens; CCD pickup; flying erase head; VHS, A/V dubbing; auto date/time insertion; auto focus, auto white balance; instant playback; electronic viewfinder with diopter; HQ: VHS index search; flying erase head; edit switch; auto iris, backlight switch; fade control. 16.25 x 9 x 5.63 in $2,250.

PV-S350 Digital Camcorder
Digital Super VHS camcorder capable of performing digital effects. Features CCD pickup; 8x power zoom lens; auto focus; auto exposure; auto white balance; HQ: electronic viewfinder; record review, macro focus; fade in/out, backlight switch. Controls: record, play, stop, pause, still frame, VHS Index/Address Search System. Minimum light 1 lux, horizontal resolution 400 lines... $2,250.

PV-330 Digital Camcorder
Digital VHS camcorder with digital effects. Features CCD pickup; 8x power zoom lens; auto focus; auto exposure; auto white balance; HQ: recording time 2 hours and 40 minutes with standard VHS tape. Electronic viewfinder: record review, macro; fade in/out, backlight switch. Minimum light 1 lux... $1,990.

PV-S150 Super VHS Camcorder
Super VHS camcorder with high-speed shutter. Features CCD pickup; f/1.2 9-54mm 6x power zoom lens; auto focus; auto white balance. HQ: recording time 60 minutes with TC20 tape; electronic viewfinder with diopter; record review; macro focus; fade in/out; backlight switch. Minimum light 7 lux, power consumption 8 W, 5.94 x 10.38 x 4.38 in... $1,900.

PV-110 VHS-C Camcorder
VHS-C camcorder with VHS Index/Address Search System. Features CCD pickup; f/1.2 9-54mm 6x power zoom lens; auto focus; auto white balance; HQ: recording time 60 minutes with TC-20 tape; electronic viewfinder; record review, macro focus; fade in/out; backlight switch. Minimum light 7 lux, power consumption 8 watts, 5.94 x 10.38 x 4.38 in, 2.7 lb... $1,450.

PV-50 VHS-C Camcorder
VHS-C camcorder with VHS Index/Address Search System. Features CCD pickup; f/1.6 10mm; auto range focus; auto white balance; HQ; recording time 1 hour with TC-20 tape; battery lasts 1.5 hours; optical viewfinder built-in. Minimum light 7 lux, power consumption 6.5 W, 8.25 x 5.38 x 3.13 in... $1,000.

Video Camera Accessories
2011-20P Camera Extension Cable, 20-foot extension cable... $60.
P-A789S Power Supply. Power supply with stereo audio input/output... $65.

PENTAX

C18A Super VHS Camcorder
Camcorder uses full-size VHS cassettes to record 2 hours, 40 minutes with a T-160 tape. Features auto focus with manual focus control, auto or manual exposure; continuous auto white balance, 1/2" MOS 300,000-pixel image sensor; 1/1.2 8x power zoom lens, 1/2" electronic viewfinder; minimum light level 7 lux, 7 lb... $1,899.

C67A HQ VHS Camcorder
Camcorder uses full-size VHS cassettes to record 2 hours, 40 minutes with T-160 tape. Features auto focus with power manual focus control, auto or manual exposure; continuous auto white balance, 1/2" MOS 300,000-pixel image sensor, 6x (12-72 mm) power zoom lens, high-speed shutter variable from low to 1500 second; electronic self-timer; playback through 1/2" electronic viewfinder showing battery condition, low-light warning, shutter setting, and date (which can be recorded on tape); for right- or left-eye viewing; four heads; search at 3x normal speed; freeze frame; records TV broadcasts from monitor; ears can be recorded on tape); for right- or left-eye viewing; four heads; search at 3x normal speed; freeze frame; records TV broadcasts from monitor/receivers with A/V output jacks; HQ picture enhancement; comes with 1-hour rechargeable battery, AC adapter/charger, RF converter with cable, antenna, rubber band, A/V output cable, A/V input adapter and cable, unidirectional mic, earphone, shoulder strap... $2,500.

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C A M C O R D E R S & V I D E O C A M E R A S

PHILCO

VCC989V VHS Camcorder
VHS camcorder with high speed shutter. Features 0.5" CCD imager, f/1.2x power zoom lens; auto
deo dubbing; auto iris; auto date with memory; auto white balance; auto indoor/outdoor switching; hard-shell carrying case.

VM-27AC VHS Camcorder
VHS camcorder with VISS. Features 330,000-pixel CCD pickup; f/1.2x 8x power zoom lens; auto focus; auto iris; flying erase head; digital special effects; sensitivity-up, approaching 1 lux, strobe, wipe; digital image effects; up time display; edit switch; record review; audio/video dubbing; back-light switch; stand-by mode; fade control; auto date/timer; auto rewind; eject. 6.6 lb. $2,200

VM-28AC CA As above, lacks S-VHS. $2,000 VM-24AC As above, lacks digital special effects and edit switch. $1,500 VM-23AC Similar to VM-24AC, with f/1.4x 6x power zoom lens. $1,500

PHILIPS

CPJ815 Camcorder
VHS camcorder with CCD imager. Features flying erase head; auto image stabilizer; 3-position high-speed shutter; 10 lux sensor; f/1.6x 10x power zoom; VHS index and address search; still frame; audio/video index search system; video address search system; 7-lux min illumination. $1,350

VM-52AC S-VHS Camcorder
Super VHS-C camcorder with playback special effects. Features CCD pickup; f/1.2x 6x power zoom lens; auto focus; auto iris; auto white balance. $1,179

VM-51AC VHS-C Camcorder
VHS-C camcorder with VHS index/address search systems. Features CCD pickup; f/1.2x 6x power zoom lens; auto focus; auto iris; auto white balance. 10Q: 1 hour maximum recording or playback time. 7-lux electronic viewfinder; record review; macro focus; fade in/out; backlight switch; flying erase head; audio/video dubbing; edit switch. Controls: record; play; stop; pause. Minimum light 7 lux, VHS index/address search systems. 2.8 lb. $1,800

VM-51A VHS-C Camcorder
VHS-C camcorder with VHS index/address search systems. Features CCD pickup; f/1.2x 6x power zoom lens; auto focus; auto iris; auto white balance. $1,179

RCA

CC350 S-VHS Camcorder
S-VHS camcorder with autofocus. Features MOS sensor, electronic viewfinder; on-screen displays; quick review; auto iris; auto white balance; earphone jack; microphone jack; A/V output jack; 3-way AC/DC power supply; AC adapter. 5.9 x 4.1 x 9.1 in. 2.8 lb $1,599

CC175 S-VHS Camcorder
S-VHS camcorder with built-in microphone. Features 6:1 autofocus zoom lens; solid-state MOS sensor; electronic viewfinder; on-screen displays; quick review; auto iris; auto white balance; earphone jack; microphone jack; A/V output; 3-way AC/DC power supply; AC adapter. 9.1 x 4.6 x 13.7 in. 4.4 lb. $1,099

CC275. As above with 2 hour battery. $1,199

Small Wonder CC150 S-VHS Camcorder
S-VHS camcorder with built-in microphone. Features 6:1 autofocus zoom lens; solid-state MOS sensor; electronic viewfinder; on-screen displays; quick review; auto iris; auto white balance; earphone jack; microphone jack; A/V output; 3-way AC/DC power supply; AC adapter. 5.9 x 4.1 x 9.1 in. 2.8 lb $1,079

Video Camcorder Accessories

VTU100 Character Generator
Character generator creates titles on screen and special effects; fits RCA camcorders. Features 48 characters/scene capacity, 8 colors, two type sizes; ten pages of characters; 60-character memory. $149.95

KX-046 Camcorder Case
Hard carry case with molded-plastic shell provides rugged protection for RCA or Hitachi camcorders and accessories. Contains cut-out insert to cushion and secure equipment. 17.5 x 14 x 6 in. $129.95

AC025 VHS-C Camcorder Case
Heavy nylon case fits almost any camcorder. Features pockets for batteries, tapes, and accessories. 13 x 8 x 5.5 in. $99.95

AC028 As above for VHS camcorders. $99.95

CB120 Camcorder Battery
120-minute on-board rechargeable nickel-cadmium battery. Provides approximately 2 hours of run time for RCA camcorders. Can be recharged in two hours with camcorder AC adapter/charger. $79.95

WM002 Wireless Microphone System
Compact wireless microphone system with an omnidirectional microphone, transmitter, receiver, 13-inch antenna, and audio plug. Microphone clips onto clothing and transmitter fits into pocket or clips onto belt. Uses three AA batteries. For use with all RCA video cameras except KK046. $69.95

VTU102 Camcorder Video/Audio Adaptor
Allows camcorder to record video and audio from an external source such as a VCR, TV monitor, etc. Plugs directly into viewfinder connector. $15.95

CMK1010 Camcorder Remote Pause Control
Wide 60-minute on-board rechargeable nickel-cadmium battery. Provides approximately one hour of running time for RCA camcorders. Can be recharged in one hour with camcorder AC adapter/charger. $69.95

FJK115A Special Effects Lens Filter Kit
Creates special effects with mirage, polarizer, and highlighter filters. Features 3-face mirage, 3-face mirage, center focus highlight and polarizer, plus 3 step rings. Includes a vinyl case. $109.95

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***REALISTIC***

**Model 100 MovieCorder VHS Camcorder**

VHS camcorder with forward/reverse search at 3 times normal speed. Features 95 micron MOS pickup, f/1.6 12-72mm lens, auto focus, auto white balance, HQ, recording time 120 minutes; battery lasts 1 hour; 3" electronic viewfinder; macro focus; backlight switch. Controls: Record; play; stop; pause; visible search at ro focus; fade in/out; backlight switch; earphone jack. Auto white balance; HQ; electronic viewfinder; macro pickup; f/1.6 12-72mm 6x power zoom lens; auto focus, auto white balance; HQ; electronic viewfinder; macro focus; fade in/out; backlight switch; earphone jack. Controls: record; play; stop; pause; visible search at 3x normal speed forward or reverse. Minimum light 7 lux; includes hard case and shoulder strap. 

**Model 150 MovieCorder VHS-C Camcorder**

VHS-C camcorder with auto-loading cassette adaptor for use in standard VHS VCR's. Features 3" MOS pickup, f/1.6 11.5-69mm lens; auto focus; auto iris; auto white balance; HQ; electronic viewfinder; macro focus; fade in/out; backlight switch; earphone jack. Controls: record, play, stop, pause; visible search at 3x normal speed forward or reverse. Minimum light 7 lux; approx. 7.75 x 4.25 x 7.75 in; 42 oz. 

**RICOH**

**R620 8mm Camcorder**

8mm camcorder with 270,000 pixel imaging and super-high-speed shutter. Features edit switch; insert mode; built-in slider can create letters, symbols, borders and drawings in 8 colors; 9" CCD pickup; f/1.4 9-54mm 6x power zoom lens; auto focus, auto exposure, auto white balance; recording time up to 4 hours with P6-120MP tape; backlight switch. Minimum light 4 lux. 

**VN55S 8mm Camcorder**

8mm camcorder with 380,000 pixel imaging and super-high speed shutter. Features CCD pickup; f/1.6 12-72mm 6x power zoom lens; auto focus; auto exposure; auto white balance; recording time up to 4 hours with P6-120MP tape; battery lasts 45 minutes; 3" electronic viewfinder; record review; fade in/out; backlight switch. Controls: record; play; stop; pause; freeze frame, slow motion or single frame-by-frame playback. Minimum light 5 lux. 

**SANYO**

**VMDS 8mm Camcorder**

8mm camcorder with 3-head special effects. Features variable high-speed electronic shutter; 5-color digital superimposer; 3-in CCD pickup; 5-lux min illumina-
SHARP

**VL-1.450U Full Size Camcorder**
Flying erase head camcorder with CCD imager. Features 12x variable-speed power zoom lens; auto stand-by, auto focus (auto manual/push-auto selectable); auto white balance, auto power off, auto date/clock: high-speed electronic shutter; auto dubbing; self-timer; fade-in/out control; electronic viewfinder: timer for television recording and playback.

$1,499

**VL-C77UA Super VHS-C Camcorder**
Super VHS-C circuits for improved picture quality, uses VHS-C tape for 60 or 20 minutes; CCD image sensor; f/1.6 lens with 8x variable-speed power zoom; 0.7" electronic viewfinder with flipper (for left or right eye); auto focus, white balance, exposure, time/date superimposed on tape; viewfinder indication of low battery and low light; light compensation; 4 heads; forward and reverse visual search at 3x normal speed; still picture with noise; electronic tape counter in viewfinder; three-speed electronic shutter; HQ circuits: directional electret mic; earphone jack: comes with AC adapter/battery charger, 1-hour battery pack, shoulder strap, cassette adapter, blank tape, A/V output cable, lithium battery, RF converter and cable, 300-ohm/75-ohm adaptor, 6.02 x 4.92 x 9.05 in; 2.65 lb without battery. 

$2,199

**VL-C73UA VHS-C Camcorder**
Features CCD image sensor; f/1.6 lens with 8x variable-speed power zoom lens; electronic shutter: records 30 or 60 minutes on VHS-C tape; rotating 0.7" B&W electronic viewfinder with flipper; macro focus; A/V input terminal; 4-digit tape counter with memory; auto or manual focus; auto white balance, exposure; auto date; date/character generator; HQ circuits: record/review; index, electret condenser mic; 6.13 x 4.78 x 9.13 in; 3 lb, 3 oz with battery and tape. 

$1,599

**VL-C650U VHS-C Camcorder**
C-format camcorder with CCD imager. Features 8x variable-speed power zoom lens; one-touch auto system with full information LCD; auto focus; (auto manual/push-auto selectable); auto white balance; auto iris; auto power off; auto date/clock; high-speed electronic shutter; self timer background music terminal; fade-in/out control (music and video); electronic viewfinder with display of mode status, control settings, and warning indicators: 2.56 ft. without battery. 

$1,599

**EDC-55 ED Beta Camcorder**
ED Beta camcorder with detachable playback deck. Features 5" CCD pickup; 550 lines horizontal resolution, 10x bayonet-mount variable-speed zoom lens with macro, variable-speed electronic shutter (1/60-1/2,000 sec); built-in 1 point stereo mic. Recorder features 500 lines horizontal resolution with metal particle tape: separate Y/C video output; flying erase head; audio/video input terminals; A/V input terminal; 4-digit tape counter with memory; auto stop. Comes with AC adapter/battery charger. 

$7,700

**EDC-430 Pro 8mm Camcorder**
8mm camcorder with 8x CCD pickup. Features 380,000 effective pixels; horizontal resolution >300 lines; variable-speed f/1.28 power zoom lens; 4 lux min illumination; electronic variable-speed shutter (1/60, 1/100, 1/250, 1/500, 1/2000, 1/4000); autofocus; auto/manual iris; auto/preset white balance; fader; 8-color wiper; 8-color character generator; digital stereo sound recording; 2-hour max recording time; freeze-frame; frame advance; slow motion; 4-digit count; stereo audio dubbing; video insert editing, line in/out; earphone jack; stereo omnidirectional microphone. 15.9 x 8.9 x 5.25 in; 7.2 lb with battery and cassette. 

$2,500

**CCD-V11 8mm Camcorder**
8mm camcorder with 8x CCD pickup; features 12x variable-speed zoom (12-72 mm) with macro; through-the-lens autofocus; linear auto white balance; 2-page scrolling digital superimposer for titling through-the-lens autofocus; linear auto white balance; auto iris; auto focus; auto power off; auto date/clock; auto/manual Iris; auto/lock switch; clear slow motion; macro focus; through-the-lens auto focus with self timer; minute light 5 lux; power consumption 6.3 watts. 3.9 x 3.1 x 13.25; 2.8 lb with battery and tape. 

$1,800

**Optional Accessories**
For CCD-V19 camcorder: 
NP-77 90-minute NiCad battery $75 
AC-V55, a/C adapter/battery charger $185 
BC-55, Compact battery charger $45 
DCC-55, 6.6' pack $60 
LC-1-50, Hard case $150 
RM-94, Wired Remote Controller $80 
RM-151KA, Wireless Remote Controller... $100 
VF-A5, Viewfinder adapter $50 
VF-L1, Filter kit $28 
ECM-K120, External microphone $80 
VCL-1546A, Telephoto conversion lens $130 
VOT-0746A, Wide-angle conversion lens $110 

**Sonic**

**EDC-430 Pro 8mm Camcorder**
8mm camcorder with 8x CCD pickup. Features 380,000 effective pixels; horizontal resolution >300 lines; variable-speed f/1.28 power zoom lens; 4 lux min illumination; electronic variable-speed shutter (1/60, 1/100, 1/250, 1/500, 1/2000, 1/4000); autofocus; auto/manual iris; auto/preset white balance; auto exposure with manual override; white balance auto linear or precalibrated for natural or artificial light; fade to white; recording time 45 minutes with lightweight battery, 90 minutes with NiCad battery for a total of 2 hours on P6-120 tape. auto switching to play LP tapes recorded on house deck for up to 4 hours, battery lasts 60 minutes. 0.7" electronic viewfinder with indication of cassette loading, shutter speed, record/standby, auto/manual focus, white balance, fader, date/time, caution, forward and reverse play at normal speed; high-speed picture search; edit switch; auto-lock switch turns all functions to automatic, clear slow motion; macro focus; earphone jack; unidirectional electret condenser mic; external mic jack; date/time display on tape; tape counter shows tape position in hours, minutes, and seconds in SP mode; comes with AC adapter/battery charger; NiCad battery, RF adapter; shoulder strap; lithium battery; P6-15 videotape. Minimum light 5 lux; power consumption 6.3 watts. 3.9 x 3.1 x 13.25; 2.8 lb with battery and tape. 

$3,300

**Beta Movie Pro Camcorder**
Betamovie camcorder with Super Hi-Band Beta circuitry to increase luminance signal carrier frequency from 4.8 to 6.0 MHz for sharper picture and professional editing quality. Features 8" Interline Transfer: CCD pickup, 6x (12-72 mm) power zoom lens; manual focus with macro; auto white balance with two positions (5,000K outdoor, 3,200K indoor); iris lock switch; 1" B&W electronic viewfinder; records in Beta I for maximum of 90 minutes with L-750 tape; data display system supersenses day, month, and year, or hour, minute, and second; indexing allows quick access; mono microphone; input for external mic; earphone jack; sensitivity switch; minimum light 15 lux; power consumption 7.4 watts. 6 x 7.4 x 15.25 without shoulder pad; 5 lb, 11 oz without battery. 

$1,795

**BCD-F400 8mm Camcorder**
8mm camcorder with 8x CCD pickup. Features 4 lux min illumination; variable-speed electronic shutter (1/60-1/2,000 sec); slow-motion frame advance; 11/2 autofocus; power zoom lens (9-54 mm) with macro; auto white balance; auto iris; backlit compensation switch; 8-color built-in 2-page digital superimposer; 

$1,599

**Optional Accessories**
For BCD-F400 camcorder: 
NP-77 90-minute NiCad battery $75 
AC-V55, a/C adapter/battery charger $185 
BC-55, Compact battery charger $45 
DCC-55, 6.6' pack $60 
LC-1-50, Hard case $150 
RM-94, Wired Remote Controller $80 
RM-151KA, Wireless Remote Controller... $100 
VF-A5, Viewfinder adapter $50 
VF-L1, Filter kit $28 
ECM-K120, External microphone $80 
VCL-1546A, Telephoto conversion lens $130 
VOT-0746A, Wide-angle conversion lens $110
CAMCORDERS & VIDEO CAMERAS

date/time insertion; edit search; clear erase editing; edit switch; A/V inputs/outputs; 3-pin remote editing terminal; flying erase head; adaptable electronic viewfinder; $1,750
CCD-SP7. As above with water-resistant (not water-proof) shell $1,850

CCD-F30 8mm Camcorder
8mm camcorder with built-in 2-page digital superimposer for titling and graphics. Features solid-state 1/3" CCD pickup; 9 lux min illumination; 6:1 autofocus power zoom lens (10-72 mm) with macro; linear auto white balance; auto iris; date/time data display system; AFM sound recording; flying erase head; 2 hours max recording time; autofocus override; edit search; clear erase editing; edit switch; audio/video inputs/outputs; 3-pin remote editing terminal; electronic accessories in carry case. Features 1/3" CCD pickup counter, electret condenser omnidirectional mic, earphone jack. 4.6 x 5.1 x 12.5 in; 3 lb with battery and cassette. $1,700

CCD-V5 Auto Handycam 8mm Camcorder
8mm camcorder with digital Superimposer for titling videotapes on location or at home with words, characters, or picture outlines in eight colors during recording. Features 1/3" CCD pickup; 9 lux min illumination; 6:1 autofocus power zoom lens (12-72 mm) with macro; linear auto white balance; auto iris; date/time data display system; AFM sound recording; flying erase head; 2 hours max recording time; autofocus override; edit search; clear erase editing; edit switch; audio/video inputs/outputs; 3-pin remote editing terminal; electronic accessories in carry case. Features 1/3" CCD pickup; built-in 2-page digital superimposer, 2/3" CCD imager; f/1.4 8x power zoom lens; video sensor; f/1.4 9-54mm 6x power zoom lens; auto focus; auto exposure; auto white balance; 2-hour recording time on T-120 videocassette; 60' electronic high-speed shutter shutter (800,000); minimum light 7 lux. 8.63 x 5.5 x 4.5 in. 5 lb. $1,299

Sylvania
VCC161AV VHS Camcorder
VHS camcorder with flying erase head. Features CCD imager; f/1.4 8x power zoom lens; video index/address search system; high speed shutter; time lapse recording, 7-lux sens. $1,499
VCC159AV VHS Camcorder. As above without flying erase head. $1,349

Tamron Digital Movie 8
8mm camcorder with 0.7" electronic viewfinder: 0" 270,000-pixel CCD image sensor; autofocus 9-34mm f/1.4 power zoom lens; digital special effects: still, slow, reverse, superimposition, title, memo; high-speed shutter (800,000); backlight compensation; auto white balance; auto iris; 9-lux min illumination. 4.6 x 5.1 x 12.4 in; 2.4 lb without battery and tape. $1,695

Toshiba
SK-37D VHS-C Camcorder
Swichable VHS-C or 3-D format camcorder with 3-D playback through 3D-CAM, conventional VCR, or directly on a TV via electronic adaptor and special LCD glasses. Features 2" CCD pickup; 300,000 pixels; 20-sec shutter speed for increased clarity; interval recording; 2 f/1.6 lenses with fixed focus; HQ; 21-function wired remote control with character generator; time, date, clock, AC power/adaptor/charger. $2,850

Sk-S80 S-VHS-C Camcorder
S-VHS-C camcorder with 8" CCD pickup. Features 400,000 pixels; interval recording; f/1.7 through-the-lens autofocus 6x power zoom lens with macro; 60-sec shutter speed; HQ Pro; 21-function wired remote control with character generator; time, date, and title insertion with fade; self timer (10 sec, 60 sec). Comes with cassette adaptor, AC adaptor/battery charger, RF unit, battery pack, S-VHS-C tape; shoulder strap. $2,000

Yashica
Konica FineMovie 8 AF KD-1700U 8mm Camcorder
2-head 8mm camcorder with 3-tile superimposition capability and mono +FM sound. Features CCD pickup; 6:1 power zoom lens (12-72 mm) with macro; recording search edit function; picture search; skip search; swiveling electronic viewfinder with diptor and operation indicators; flying erase head, auto backlight compensation; auto white balance; auto iris; 9-lux min illumination. 4.6 x 5.1 x 12.4 in. 2.4 lb without battery and tape. $1,800

Zenith
VM7500 Super VHS Camcorder
Full-size VHS camcorder with Super VHS capability. Features 9/10" CCD pickup, f/1.4-2.2 8x (8.5-66mm) power zoom lens, auto focus, auto iris; auto white balance; 2 video heads, flying erase head; HQ; recording time 2 hours 40 minutes with T-160 tape. 0.7" detachable electronic viewfinder with diptor control; record review, macro focus, backlight switch; built-in microphone; high-speed shutter (800,000); animation mode; marks index code for playback on VCR with VHS Index Search System, date/time insert; audio/video fader; still/pause; audio/video dubbing; background music input; operates on AC (with adapter), DC (with optional car adapter) or rechargeable battery. Minimum light 7 lux; horizontal resolution 400 lines; power consumption 10 watts; video s/n >45 dB. 7.63 x 5.15 x 5.9 in. $2,000

VM6500 Super VHS-C Camcorder
Compact; VHS-C camcorder with Super VHS. Features 9/10" CCD pickup, 0.7" 4x power zoom (9-34mm) power zoom lens; auto focus; auto iris; auto white balance; 2 video heads; flying erase head; HQ; recording time 2 hours 40 minutes with T-160 tape; 0.7" detachable electronic viewfinder with diptor control; record review, macro focus, backlight switch, built-in microphone; high-speed shutter (800,000); animation mode; marks index code for playback on VCR with VHS, date/time insert; still/pause; audio/video fader; audio/video dubbing, background music input, operates on AC (with adapter). $1,500

VM6500 Super VHS-C Camcorder
Compact; VHS-C camcorder with Super VHS. Features 9/10" CCD pickup, 0.7" 4x power zoom (9-34mm) power zoom lens; auto focus; auto iris; auto white balance; 2 video heads; flying erase head; HQ; recording time 2 hours 40 minutes with T-160 tape; 0.7" detachable electronic viewfinder with diptor control; record review, macro focus, backlight switch, built-in microphone; high-speed shutter (800,000); animation mode; marks index code for playback on VCR with VHS, date/time insert; still/pause; audio/video fader; audio/video dubbing, background music input, operates on AC (with adapter). $1,500
VIDEODISC PLAYERS

YAMAHA

CDV-1000 Videodisc/CD/CD Player
Videodisc player with remote control. Plays videos, discs, compact disc video, audio CD's. Features VHF output to TV receiver; audio output; audio playback with double-oversampling D/A converter; digital filtering; front-panel display of operating status, elapsed time and remaining time of track or disc; track and index numbers; on-screen display; video output; track/chapter skipping in both directions; fast scan in both directions with audible sound from CD/CDV; still picture mode and variable speed for video playback; phrase repeat for video and audio; keypad for direct access to video chapter and frame; audio track and index number.

$799

CDV-5000 Videodisc/CD/CD Player
Videodisc player with remote control. Plays video, discs, compact disc video, audio CD's. Features VHF output to TV receiver; audio output; audio playback with double-oversampling D/A converter; digital filtering; front-panel display of operating status, elapsed time and remaining time of track or disc; track and index numbers; on-screen display; video output; track/chapter skipping in both directions; fast scan in both directions with audible sound from CD/CDV; still picture mode and variable speed for video playback; phrase repeat for video and audio; keypad for direct access to video chapter and frame; audio track and index number.

$799

CDV-10000 Videodisc/CD/CD Player
Videodisc player with remote control. Plays video, disc, compact disc video, audio CD's. Features VHF output to TV receiver; audio output; audio playback with double-oversampling D/A converter; digital filtering; front-panel display of operating status, elapsed time and remaining time of track or disc; track and index numbers; on-screen display; video output; track/chapter skipping in both directions; fast scan in both directions with audible sound from CD/CDV; still picture mode and variable speed for video playback; phrase repeat for video and audio; keypad for direct access to video chapter and frame; audio track and index number.

$799

SANYO

CLD-1030 CD/CDV/LD Player
Plays all sizes of CD's and LD's. Features 425 lines resolution; 9x digital oversampling; laser pick-up; full auto disc selection; program play for 20 chapters; direct chapter search and play; frame number search with CAV LD's; auto program edit for CD to tape; 5-mode repeat; random play.

$990

SONY

MDP-700 Videodisc/CD/CD Player
Videodisc/CD/CD player capable of playing 3", 5", CD's, 5" CDV's, and 8", 12" videodiscs. Features 8-bit digital memary, D/A converter, c play; stop, start, pause, reverse, fast forward, slow motion; flash picture; picture recall; auto play; dual D/A converters; quadruple-oversampling digital filter; dual motor system; Disc Protect; automatic music sensor in forward and reverse; automatic chapter search; 10-key remote function; jog-shuttle dial; shuffle play; A/B repeat; memory stop; auto on; auto off when not in use; headphone jack with adjustable level. 2 sets of gold-plated video and audio jacks. Horizontal resolution 425 lines; video S/N 47 dB; audio S/N 100 dB.

$1,450

MDP-200 Videodisc/CD/CD Player
Videodisc/CD/CD player capable of playing 3", 5", CD's, 5" CDV's, and 8", 12" videodiscs. Features dual D/A converters; quadruple-oversampling digital filter; dual motor system; Disc Protect for video discs; automatic music sensor in forward and reverse; automatic chapter search; memory stop; automatic power on; 16-track or 16-chapter program; 10-key remote function; jog - shuttle dial; auto on; auto off; headphone jack: 2 sets of gold-plated video and audio jacks. Horizontal resolution 425 lines; video S/N 47 dB; audio S/N 100 dB; dynamic range 96 dB.

$950

TEKNIKA

HAVD10 Videodisc/CD/CD Player
Videodisc player with automatic discrimination of format. Plays videos, discs, compact disc video, audio CD's. Features VHF output to TV receiver; audio output; audio playback with double-oversampling D/A converter; digital filtering; front-panel display of operating status, elapsed time and remaining time of track or disc; track and index number; on-screen display; video output; track/chapter skipping in both directions; fast scan in both directions with audible sound from CD/CDV; still picture mode and variable speed for video playback; phrase repeat for video and audio; keypad for direct access to video chapter and frame; audio track and index number.

$799

YAMAHA

CDV-1000 Videodisc/CD/CD Player
Videodisc player with remote control. Plays video, discs, compact disc video, audio CD's. Features VHF output to TV receiver; audio output; audio playback with double-oversampling D/A converter; digital filtering; front-panel display of operating status, elapsed time and remaining time of track or disc; track and index number; on-screen display; video output; track/chapter skipping in both directions; fast scan in both directions with audible sound from CD/CDV; still picture mode and variable speed for video playback; phrase repeat for video and audio; keypad for direct access to video chapter and frame; audio track and index number.

$799

CDV-500 Videodisc/CD/CD Player
Videodisc player with remote control. Plays video, discs, compact disc video, audio CD's. Features VHF output to TV receiver; audio output; audio playback with double-oversampling D/A converter; digital filtering; front-panel display of operating status, elapsed time and remaining time of track or disc; track and index number; on-screen display; video output; track/chapter skipping in both directions; fast scan in both directions with audible sound from CD/CDV; still picture mode and variable speed for video playback; phrase repeat for video and audio; keypad for direct access to video chapter and frame; audio track and index number.

$799

CDV-10000 Videodisc/CD/CD Player
Videodisc player with remote control. Plays video, discs, compact disc video, audio CD's. Features VHF output to TV receiver; audio output; audio playback with double-oversampling D/A converter; digital filtering; front-panel display of operating status, elapsed time and remaining time of track or disc; track and index number; on-screen display; video output; track/chapter skipping in both directions; fast scan in both directions with audible sound from CD/CDV; still picture mode and variable speed for video playback; phrase repeat for video and audio; keypad for direct access to video chapter and frame; audio track and index number.
AKAI

CT-A358-B 35" Monitor/Receiver
Full-square picture tube with high-contrast faceplate; 181-channel frequency-synthesis tuner with MTS/SAP decoding; Super-VHS inputs; remote control. $2,699

CT-A267-B 26" Monitor/Receiver
Full-square picture tube with high-contrast faceplate; 139-channel frequency-synthesis tuner with MTS/SAP decoding; remote control. Horizontal resolution 400 lines (with direct video input). $649

AOC

AC2134A-V 20" Stereo Monitor/Receiver
Monitor/receiver with 140-channel cable-compatible tuner. Features remote control; on-screen display; flat, square-corner screen; built-in automatic color control; 2.5-W/e stereo sound system; variable audio and speaker output jacks; peak automatic gain control; LED stereo indicator; fully-automatic fine tuning; 2-speed auto search tuning system. $289

AC2034C 20" Monitor/Receiver
Features random-access, remote control; 140-channel cable-compatible tuner; on-screen display; Highbricon High Color dark tinted glass picture tube; peak automatic gain control; fully-automatic fine tuning; built-in automatic color control; automatic degaussing; 1 built-in speaker; 2-speed auto search tuning system. $299

AC203A 19" Monitor/Receiver
Features 110-channel cable-compatible tuner; random-access tuning; Highbricon High Color dark tinted glass picture tube; peak automatic gain control; fully-automatic fine tuning; built-in automatic color control; automatic degaussing; 1 built-in speaker; LED channel indicator; 2-speed auto search tuning system. $329

EMERSON

TS4650D 27" Digital Stereo Monitor/Receiver
Table monitor/receiver with digital picture-in-picture. Features 140-channel cable-compatible tuner; MTS/SAP stereo decoder with noise reduction; 2 built-in tuners; remote control; direct access; digital picture-in-picture includes freeze-frame, multi-screen, swap, and channel scan; on-screen displays: sleep timer; 2 A/V inputs/outputs; S-VHS input; 500 lines horizontal resolution; comb filter; automatic memory write/erase programmability; 24-hour memory backup; auto shut-off when a channel being viewed has been off the air for 15 minutes; dual side-firing speakers. $1,000

MS2700RD 27" Stereo Monitor/Receiver
Table monitor/receiver with square screen. Features 140-channel cable-compatible tuner; infrared wireless remote control; MTS/SAP stereo decoder; on-screen display of channel and time; turn-off timer; 1 set video input/output jacks; 2 sets audio input/output jacks; dual external speaker jacks; stereo headphone jack; comb filter; horizontal resolution 500 lines; S-VHS input; 15.3 x 25.16 in. $850

MS2500RD 25" Stereo Monitor/Receiver
Table monitor/receiver with 140-channel cable-compatible tuner. Features MTS/SAP stereo decoder; 21-function remote control; on-screen displays: automatic memory write/erase programmability; comb filter; sleep timer; 24-hour memory backup; automatic power off when a channel being viewed has been off the air for 15 minutes; automatic fine tuning; automatic gain control; quick-start picture system; headphone jack; 28.3 x 23.5 x 25.6 in; 91 lb. $630

MS2550RD 25" Monitor/Receiver
Table monitor/receiver with 140-channel cable-compatible tuner. Features 21-function remote control; on-screen displays; automatic memory write/erase programmability; comb filter; sleep timer; 24-hour memory backup; automatic power off when a channel being viewed has been off the air for 15 minutes; automatic fine tuning; automatic gain control; quick-start picture system; headphone jack. 28.3 x 23.5 x 25.6 in; 91 lb. $630

MS2550RD 25" Monitor/Receiver
Table monitor/receiver with 140-channel cable-compatible tuner. Features 21-function remote control; on-screen displays; automatic memory write/erase programmability; comb filter; sleep timer; 24-hour memory backup; automatic power off when a channel being viewed has been off the air for 15 minutes; automatic fine tuning; automatic gain control; quick-start picture system; headphone jack. 28.3 x 23.5 x 25.6 in; 91 lb. $630

EC1900 19" Monitor/Receiver
Table monitor/receiver with automatic color control. Features quick-start picture: 12 station presets; 1-button color control; auto fine tuning; earphone jack with walnut cabinet. 23 x 15.3 x 19 in; 41.1 lb. $330

EC1940 19" Monitor/Receiver
Table monitor/receiver with automatic color control. Features auto fine tuning; separate detent tuners for UHF and VHF; automatic gain control; auto degaussing; quick-start picture; earphone jack and earphone; simulated woodgrain cabinet. 15.7 x 22.8 x 18.5 in; 46 lb. $310

ECR1350 13" Monitor/Receiver
Table monitor/receiver with 110-channel cable-compatible tuner. Features 17-key remote control; auto power off; auto fine tuning and color control; 24-hour memory backup; quick-start picture; auto gain control; auto degaussing; memory erase/write; earphone jack and earphone. 16.7 x 12.6 x 14.4 in; 3.5 lb. $310

EC134F 13" Monitor/Receiver
Monitor/receiver with automatic fine tuning. Features automatic color control; separate detent tuners for UHF and VHF; 140-channel cable-compatible tuner; remote control; MTS/SAP stereo decoder; on-screen display; automatic memory write/erase programmability; 24-hour memory backup; automatic color control system; comb filter; automatic fine tuning; automatic degaussing; quick-start picture system; headphone jack. 17 x 19.8 x 19 in; 60 lb. $430

EC935L 15" Monitor/Receiver
Table monitor/receiver with 138-channel cable-compatible tuner. Features 15-key remote control: on-screen display; automatic memory write/erase programmability; sleep timer; 24-hour memory backup; automatic color control system; automatic fine tuning; automatic degaussing; quick-start picture system; headphone jack. 28.8 x 10.2 x 5.1 in. $290

EC1940 19" Monitor/Receiver
Table monitor/receiver with automatic color control. Features quick-start picture: 12 station presets; 1-button color control; auto fine tuning; earphone jack with walnut cabinet. 23 x 15.3 x 19 in; 41.1 lb. $330

ECR1350 13" Monitor/Receiver
Table monitor/receiver with 110-channel cable-compatible tuner. Features 17-key remote control; auto power off; auto fine tuning and color control; 24-hour memory backup; quick-start picture; auto gain control; auto degaussing; memory erase/write; earphone jack and earphone. 16.7 x 12.6 x 14.4 in; 3.5 lb. $310

EC11300 13" Monitor/Receiver
Monitor/receiver with quick-start picture. Features 12 station presets; 1-button auto color control; auto fine tuning; 1 full-range side-mounted speaker; earphone jack and earphone; simulated woodgrain cabinet. 6.75 x 12.75 x 15 in; 24.2 lb. $270

EC134F 13" Monitor/Receiver
Monitor/receiver with automatic fine tuning. Features automatic color control; separate detent tuners for UHF and VHF; automatic gain control; auto degaussing; quick-start picture; earphone jack and earphone; simulated woodgrain cabinet. 12.4 x 16.7 x 14.4 in; 26 lb. $250

FISHER

HT-1510 35" Monitor/Receiver
Monitor/receiver with 35" high-resolution picture tube. Features 32-button wireless remote control; MTS/SAP stereo decoder; 181-channel cable-compatible tuner; comb filter; two 2-way stereo speakers with 61/2" woofers and 2" tweeters; stereo matrix circuitry for synthetic stereo; audio/vio terminal array; built-in 7.5-W/e stereo amplifier; bass, treble, and balance controls; on-screen display off timer; wood finish cabinet with doors. $2,899

HT-1400 35" Monitor/Receiver
Monitor/receiver with 35" high-resolution picture tube. Features 32-button wireless remote control; MTS/SAP stereo decoder; 181-channel cable-compatible tuner; comb filter; two 2-way stereo speakers...
with 6 1/2" woofers and 2" tweeters; stereo matrix circuitry for synthetic stereo; audio/video terminal array; 181-channel cable-compatible tuner; comb filter; horizontal resolution 560 lines; Micro-tune Color circuitry; ABC; alternate-channel recall; 2 sets audio/video inputs; 2 sets video/audio outputs. Blue Ridge oak woodgrain veneer cabinet... $2,299

HT-863 31" Stereo Monitor/Receiver
Monitor/receiver with built-in Dolby surround sound decoder. Features MTS/SAP stereo decoder. S-VHS input; built-in amplifier with 20 W/ch driven into 8 ohms from 70-15,000 Hz with <1% THD; features MTS/SAP stereo decoder, 181-channel cable-compatible tuner; random channel access; 32-button wireless remote control; on-screen display; auto timer shutoff; comb filter; vertical resolution 360 lines; Micro-tune Color circuitry; ABC; alternate-channel recall; 2 sets audio/video inputs; 1 set variable audio outputs; switched AC outlet on back. Baldwin oak vinyl veneer cabinet... $2,499

PC-1550 25" Monitor/Receiver
Monitor/receiver with built-in amplifier with 5 W/ch driven into 8 ohms from 70-15,000 Hz with <1% THD. Features MTS/SAP stereo decoder; side-feeding stereo speakers; 5-band graphic EQ; 181-channel cable-compatible tuner; random channel access; 32-button wireless remote control; on-screen display; auto timer shutoff; comb filter; horizontal resolution 560 lines; Micro-tune Color circuitry; ABC; Automatic Brightness and Contrast Control; alternate-channel recall; 3 sets video/audio/video inputs; 1 set video/audio outputs; 1 set variable audio outputs; switched AC outlet. Baldwin Oak cabinet with casters... $2,799

PC-390WS 27" Stereo Monitor/Receiver
Monitor/receiver with built-in 5-W/ch stereo amplifier. Features 31-button wireless remote control; 181-channel cable-compatible tuner; comb filter; two 5-W/ch stereo speakers with 6 1/2" woofers and 2" tweeters; stereo matrix circuitry for synthetic stereo; audio/video terminal array; built-in 7.5-W/ch stereo amplifier; on-screen display; off timer; glass-covered storage space... $900

HT-987 27" Stereo Monitor/Receiver
Console TV with 27" square picture tube. Features 27-button wireless remote control; MTS/SAP tuner; 20-W/ch stereo amplifier; 2-way speaker system with 6 1/2" woofers and 2" tweeters; 5-band graphic equalizer; 181-channel cable-compatible tuner; on-screen display of timer, channel, volume, and timer shut-off; auto timer shut-off; comb filter; alternate channel recall; 2 sets video/audio inputs; 1 set video/audio output; smoked-glass filter; VCR storage in base of cabinet. Solid oak trim on oak finish wood cabinet... $1,200

HTD-900 27" Digital Monitor/Receiver
Table-model TV with 27" square picture tube. Features 32-button wireless remote control; MTS/SAP tuner; digital special effects including picture-in-picture, freeze frame; 181-channel cable-compatible tuner; 3 audio/video inputs, 1 audio/video output, amplifier delivers 7.5 watts per channel; two front-firing 2-way speakers; comb filter; on-screen display of channel, time, picture and audio functions, alternate channel recall; stereo synthesizer... $1,000

PC380 27" Stereo Monitor/Receiver
Table-model TV with 27" square picture tube. Features 31-button wireless remote control; MTS/SAP tuner; 5 W/ch stereo audio amplifier; 181-channel cable-compatible tuner; on-screen display of time, channel, picture and audio functions, external speaker terminals, bass, treble, loudness and balance controls, comb filter; 2 sets video/audio inputs; 1 set video/audio outputs; 1 variable audio L/R output. Hickory woodgrain vinyl veneer finish... $950
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CIRCLE NO. 6 ON READER SERVICE CARD
### GOLDSTAR

**CMT-2615 26" Stereo TV with Remote**  
Tablet TV with gray plastic picture tube; built-in MTS/SAP decoder; 139-channel compatible tuner; audio/video inputs; white plastic cornered picture tube; auto on/off switch; clock/timer; remote control. Features 119-channel compatible tuner.  
**Price:** $549

**CMT-2612 26" Stereo Monitor/Receiver**  
Table monitor/receiver with built-in MTS/SAP; steamer, clock/timer; on-screen display of channel, time, volume, and audio mode; turn-off timer; random-access remote control; frequency-synthesized tuning; remote control.  
**Price:** $899

### HITACHI

**T9550 24" Stereo Monitor/Receiver**  
Digital console TV with 31-channel high-performance VHF. Features 31-channel built-in MTS decoder; 31-channel VHF/UHF tuners; 131-channel cable-ready; on-screen display of channel, time; auto channel scan; on-screen display; channel search tuning. Receives 13 VHF, 69 UHF, 57 CATV channels. Horizontal resolution 280 lines. Cherry finished square tube. Features 39-button unified remote control.  
**Price:** $2,600

**C2670 26" Stereo Monitor/Receiver**  
Console TV with 27" full-square picture tube. Features programmable remote control. S-VHS inputs; built-in MTS/SAP decoder; 181-channel compatible tuner; audio/video/timer; built-in MTS decoder; built-in VHF/UHF channels; color on/off switch; EE auto ambient-light compensation; random-access remote control; in-home service warranty. Horizontal resolution 430 lines.  
**Price:** $2,199

### JVC

**AV-M3587S 35" Stereo Monitor**  
Network-series color table monitor with S-VHS input. Features 35" diagonal color screen with 350 TV lines; high-definition color picture quality; auto channel scan; on-screen display; channel search tuning; built-in MTS/SAP and surround sound.  
**Price:** $3,999

**AV-3540S 35" Monitor/Receiver**  
Tabletop monitor with S-VHS (Y/C) input; FS/data-grade picture tube. Features 350 lines horizontal resolution; 79-channel VHF/UHF tuner; video status display; picture-in-picture; built-in MTS decoder; built-in S-VHS decoder; 6 x 6.5 x 12.75 in; 9.3 lb.  
**Price:** $2,999

**AV-2650S 26" Stereo Monitor/Receiver**  
Table monitor/receiver with S-VHS input. Features 142-channel compatible tuner; MTS/SAP decoder; 30-W/ch amplifier; multi-function remote; on-screen display; 136.4 lb; color on/off switch; EE auto ambient-light-compensation remote control. Horizontal resolution 550 lines.  
**Price:** $2,199

**AV-2650S 26" TV Monitor/Receiver**  
Table monitor/receiver with S-VHS input. Features 142-channel compatible tuner; black cabinet. Horizontal resolution 550 lines.  
**Price:** $2,199

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### HEATHKIT

**GRS-2700-1 Stereo TV Kit**  
Stereo TV kit (must be assembled). Features Zenith system-3 printed circuit board.  
**Price:** $330

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### CK-290 Portable Monitor/Receiver

5" portable monitor/receiver with 3-way power operation (car 12-volt and AC power pack included) and channel search tuning. Options include surround sound, remote control with off timer and 2-channel memory and rechargeable battery.  
**Price:** $370

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### CK-280 Portable Monitor/Receiver

As above, no AC power pack.  
**Price:** $360
### MONITOR/RECEIVERS

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<td>Console TV with built-in VCR and black matrix screen</td>
<td>$1,150</td>
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<tr>
<td>Tabletop TV with built-in VCR and black matrix screen</td>
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<tr>
<td>Tabletop TV with built-in VHS VCR and black matrix screen</td>
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### STEREO MONITOR/RECEIVERS

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<tbody>
<tr>
<td>Stereo monitor/receiver with built-in VCR and black matrix screen</td>
<td>$1,999</td>
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<tr>
<td>Stereo monitor/receiver with built-in VCR and black matrix screen</td>
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<td>Stereo monitor/receiver with built-in VCR and black matrix screen</td>
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<td>RH770AK 31' Portable TV</td>
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<td>CJ4712AK 4714HP/4716PE 25' TV</td>
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<tr>
<td>CJ4712AK 4714HP/4716PE 25' TV</td>
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### MITSUBISHI

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<td>CK-3671R 26&quot; Digital Monitor/Receiver</td>
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<tr>
<td>CK-2605R 26&quot; Digital Monitor/Receiver</td>
<td>$3,499</td>
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### VIDEO BUYERS' GUIDE 1989

- **Kenwood KMT-3027 27' Stereo Monitor/Receiver**
  - Price: $899

- **MagnaVOX RH7710AK 31' Stereo TV**
  - Features: model format remote control, 10-watt stereo sound system, 235 x 264 x 227 in.
  - Price: $2,199

- **Magnavox CJ-3922 5' Portable TV**
  - Features: 4000 operation, AM/FM car cord, TV/video switch.
  - Price: $359

- **Mitsubishi CK-3650RE 26" Digital Monitor/Receiver**
  - Features: high-current scandium oxide electron gun, comb filter, digital sync, 181-channel cable-compatible tuner, programmable channel memory, scan. Quick View: off timer, on-screen display, MTS: high-speed scan modulation, video noise reduction, on-screen display: inversion, multi-screen preview, strobe, digital sync, channel lock, program timer: 10-Wch 2-speaker sound system, external speaker showing:
  - Price: $3,499

- **Stereo Monitor/Receiver with built-in VCR and black matrix screen**
  - Features: 560 lines horizontal resolution, S-VHS ED/ED beta input, comb luminance filter, peak white suppressor circuit, automatic black level retention circuit, built-in color control, 2 A/V inputs.
  - Price: $339

- **Tabletop TV with built-in VHS VCR and black matrix screen**
  - Features: menu format remote control, 10-watt stereo sound system.
  - Price: $449

- **Tabletop TV with built-in VHS VCR and black matrix screen**
  - Features: menu format remote control, built-in MITS/SAP stereo decoder, S-VHS connector.
  - Price: $599

- **Tabletop TV with built-in VHS VCR and black matrix screen**
  - Features: menu format remote control, 10-watt stereo sound system, 178 total channel capability, flat-square picture tube, PIP, comb, menu on-screen display, channel block, rear panel connections, built-in MITS/SAP stereo decoder, S-VHS connector.
  - Price: $899

- **Monitor/TV outputs**
  - Features: Quick View for alternating between two channels, remote control, full-synthesized tuner, MTS/SAP decoder, bass, treble, and stereo balance controls, sound wide, on-screen display, 90-minute sleep timer.
  - Price: $1,150

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $899

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $799

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $749

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $599

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $529

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $499

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $469

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $449

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $429

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $399

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $369

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $329

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $299

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $259

- **Tabletop TV with S-VHS jacks and TV/VCR/cable menu format universal remote control**
  - Price: $249
channel memory scan, Quick Review, off timer, MTS: 2 speakers, S-VHS input; video input; variable stereo audio output; remote control...$899

CS-267TR 26" Stereo Monitor/Receiver
Stereo monitor/receiver with full-square, high-contrast, black matrix picture tube. Features 181-channel cable-compatible tuner; auto-programmable channel memory scan; Quick View; off timer; on-screen display; MTS: 2 speakers; S-VHS input; video and stereo audio input; variable stereo audio output; remote control...$999

CS-2658R 26" Stereo Monitor/Receiver
Table-model stereo monitor/receiver with full-square, high-contrast, black matrix picture tube. Features 181-channel cable-compatible tuner; auto-programmable channel memory scan; Quick View; off timer; on-screen display; MTS: 2 speakers; S-VHS input; video and stereo audio input; variable stereo audio output; remote control...$999

KX-3909S 30" Stereo Monitor/Receiver
Console monitor/receiver with matrix, hall, and Dolby sound surround. Features S-VHS input; MTS/SAP stereo decoder; >500 lines horizontal resolution; 2 RF inputs/1 RF output; on-screen display; 3 video inputs/2 video outputs; external speaker jacks; channel lock; 180-minute sleep timer; 24-hour timer; system A/V remote control; auto color adjustment; multiple on-screen displays and menu prompts; clock and programmable on/off timer; ColorPilot; rapid tune; parental guidance control; available in oak, white, and black cabinets...$2,700

CTK-3196S 31" Monitor/Receiver
20" table monitor with flat-screen display. Features S-VHS input; MTS/SAP stereo decoder; auto color adjustment; multiple on-screen displays and menu prompts; clock and programmable on/off timer; AutoView; A/V input jacks; A/V input jacks; programmable on/off timer; AutoView; A/V input jacks; programmable on/off timer; AutoView; A/V input jacks; programmable on/off timer; AutoView; A/V input jacks; programmable on/off timer; AutoView...$2,700

PANASONIC

CT-7794S 27" Monitor/Receiver
Stereo Monitor/Receiver with S-VHS input/output; MTS/SAP stereo decoder; comb filter; horizontal resolution >500 lines; 2 RF inputs/1 RF output; 2 video inputs/1 video output; external speaker jack; 90-minute sleep timer; system remote control...$999

CT-2762S 26" Stereo Monitor/Receiver
Monitor/receiver with on-screen time and channel display. Features S-VHS input; MTS/SAP stereo decoder; comb filter; horizontal resolution >500 lines; 2 RF inputs/1 RF output; 2 video inputs/1 video output; external speaker jack; 90-minute sleep timer; system remote control...$999

CT-2606A 26" Stereo Monitor/Receiver
Table monitor/receiver with flat screen. Video can be processed for picture-in-picture and 3 still pictures in memory. Also features menu functions for swapping pictures: digital processing LSI for video, chroma with comb filter; 8-pin RGB input for computer input; 3 audio/video inputs; 2 monaural inputs; MTS/SAP stereo decoder; 120-channel preset; velocity modulation; on-screen display; color bars; clock; and programmable on/off timer...$899

CS-2756S 27" Monitor/Receiver
Monitor/receiver with S-VHS input/output; MTS/SAP stereo decoder; comb filter; horizontal resolution >500 lines; 1 RF input; on-screen display; channel and time; 1 video input/output, mono subwoofer output; 90-minute sleep timer; system remote control...$899

CS-2750S 27" Monitor/Receiver
Monitor/receiver with S-VHS input/output; MTS/SAP stereo decoder; comb filter; horizontal resolution >500 lines; 1 RF input; on-screen display; channel and time; 1 video input/output, mono subwoofer output; 90-minute sleep timer; system remote control...$899

CG-2006A 26" Stereo Monitor/Receiver
Monitor/receiver with MTS stereo decoder. Features comb filter; horizontal resolution >500 lines; 2 RF inputs/1 RF output; on-screen display and channel and time; 1 video input/output; 90-minute sleep timer; system remote control; auto color adjustment...$799

CT-2707S 27" Stereo Monitor/Receiver
Monitor/receiver with S-VHS input. Features MTS/SAP stereo decoder; comb filter; horizontal resolution >500 lines; 1 RF input; on-screen display; 3 video inputs/1 video output; external speaker jack; 180-minute sleep timer; system remote control; auto color adjustment; auto kine bias; mono subwoofer output; caption capability...$699

CT-2015A 20" Stereo Monitor/Receiver
Monitor/receiver with MTS/SAP stereo decoder; comb filter; horizontal resolution >500 lines; 1 RF input; on-screen display of channel and time; 1 video input/output; 90-minute sleep timer; system remote control; auto color adjustment; auto kine bias; mono subwoofer output; caption capability...$599

CT-2006AS 20" Stereo Monitor/Receiver
Table monitor/receiver with 30-minute flat square screen. Full coverage cable-compatible tuner; 1 stereo/dual audio input; video input; 1 audio/video output; amplifier delivers 1.5 watts per channel; 2 speakers; comb filter: turn-off timer...20.25 x 18.3 x 18.5 in; 49.6 lb...$549

NEC

CTK-2090S 20' Monitor/Receiver
Table model of 2094S (above). Available in black, white, and oak cabinets...$1,700

CTK-2790S 27' Monitor/Receiver
Table model of 2794S (above). Black finish includes: 2 RF inputs, 2 video inputs, 2 audio inputs/outputs; amplifier delivers 2.5 watts per channel; 2 speakers; comb filter: turn-off timer...20.25 x 18.3 x 18.5 in; 49.6 lb...$549

PANASONIC

CT-3196S 31" Monitor/Receiver
153 channel console monitor/receiver with casters and savvied base. Features wideband and stereo audio amplifier; CCi comb, SAW, and notch filters; velocity modulation; scan; TV/VCR/CATV-learning remote control; A/V input jacks; A/V output jacks; dual UHF/VHF antennas; EIA multi-port cable interface; S-VHS input jack; stereo and separate audio program capability; Dolby surround sound; on-screen graphic EQ; 4-speakers, variable audio output jacks; external speaker terminals; auto programming; on-screen displays and menu prompts; clock and programmable on/off timer; ColorPilot; rapid tune; parental guidance control; available in oak, white, and black cabinets...$2,700

CT-3190S 31" Monitor/Receiver
Table model of above. Black cabinet, optional stand available...$2,500

CT-2794S 27" Monitor/Receiver
Table model of CT-3196 (above). Does not include EIA multi-port interface, and Dolby. Available in black, white, and oak cabinets...$1,700

CT-2790S 27" Monitor/Receiver
Table model of 2794S (above). Black cabinet, optional stand available...$1,200

CT-2780S 27" Monitor/Receiver
27" table TV with comb filter and SAW filters. Features 155-channel cable capability. TV/VCR unified remote control: A/V input jacks; S-VHS input jack; stereo and separate audio reception capability; surround sound circuitry: 2-way, 4-speaker sound system; variable audio output jacks; external speaker terminals...$1,000

CT-2790S 27" Monitor/Receiver
20" table Monitor/receiver with 155-channel cable compatible tuner. Features wideband audio amplifier, TV/VCR/CATV-learning remote control: A/V inputs and outputs; S-VHS inputs; stereo and separate audio program reception capability; surround sound circuitry: 2-way, 4-speaker sound system; variable audio output jacks; external speaker...$1,000

CT-2780S 27" Monitor/Receiver
20" table TV with comb filter and SAW filters. Features 155-channel cable compatible tuner. Features wideband audio amplifier, TV/VCR/CATV-learning remote control: A/V inputs and outputs; S-VHS inputs; stereo and separate audio program reception capability; surround sound circuitry: 2-way, 4-speaker sound system; variable audio output jacks; external...$1,000

CT-2780S 27" Monitor/Receiver
20" table TV with comb filter and SAW filters. Features 155-channel cable compatible tuner. Features wideband audio amplifier, TV/VCR/CATV-learning remote control: A/V inputs and outputs; S-VHS inputs; stereo and separate audio program reception capability; surround sound circuitry: 2-way, 4-speaker sound system; variable audio output jacks; external...$1,000
MONITOR/RECEIVERS


CTK-27705 27" Monitor/Receiver Table monitor/receiver with 155-channel cable compatible tuner. Features comb. and saw filters. A/V input and output jacks: S-VHS input; stereo and separate audio-programmable reception capability, variable audio output jacks; S-VID input: stereo and separate audio-programmable reception capability, variable audio output jacks: bass/treble/balance controls; clock/sleep timer: Color/Pilot: sharpness control: oak woodgrain cabinet $850

R943CWA 25" Tabletop TV Features graphic control system: 23-button remote control: on-screen adjust display: picture reset: sleep timer $499

CTJ-2043R 20" Table TV 20" square-corner tube TV with saw filter. Features 155-channel cable compatibility, 20-function remote control: A/V input jacks: auto programming scan with rapid tune: multiple on-screen displays: clock/sleep timer: sharpness control: Color/Pilot: black cabinet $420

CTJ-2041R 20" Table TV Table TV with saw filter. Features 155-channel cable compatibility, 19-function remote control: programmable scan with rapid tune: sleep timer: Color/Pilot: simulated pecan woodgrain cabinet $420

CTJ-2053R 20" Table TV Features 155-channel cable compatibility, 20-function remote control: A/V input jacks: auto programming with rapid tune: multiple on-screen display: clock/sleep timer: sharpness control: Color/Pilot: black cabinet $420

PHILCO

R7585BKA 31" Stereo TV with Remote Console TV with picture-in-picture (PIP). Features S-VHS input: surround sound: graphic control system, TV/VCR: cable remote $1,999

R7285C 27" Tabletop TV with Remote TV with MTS/SAP decoder, and dbx noise reduction. Features graphic control system, TV/VCR/cable menu format multi-function remote control: PIP, surround sound $999

R7183CWA 27" Tabletop TV Console TV with MTS/SAP. Features dbx: graphic control system, TV/VCR/cable menu format multi-function remote control: S-VHS input $849

R5185CWA 27" Tabletop TV Tabletop TV with MTS/SAP. Features S-VHS input: graphic control system: on-screen adjust display: 23-button remote control $799

R804CWA 70" Tabletop TV Features 155-channel cable compatible tuner: 20-function remote control: A/V input jacks: auto programming with rapid tune: multiple on-screen display: clock/sleep timer: sharpness control: Color/Pilot: simulated pecan woodgrain cabinet $420

R4952CWA 25" Tabletop TV Features 155-channel cable compatible tuner: TV/VCR remote: on-screen adjust display: 178 channels $549

R5862CPE 25" Console TV Features graphic control system: on-screen adjust display: 23-button remote control $499

PHILIPS

CTJ-1355R 13" Table TV with 19-function remote control. Features 155-channel cable compatibility: programmable scan with rapid tune: sleep timer: Color/Pilot: simulated pecan woodgrain cabinet $380

R3940CWA 19" Tabletop TV Features 18-button remote, sleep timer $300

R3542CWA 19" Tabletop TV Features 18-button remote, sleep timer $399

C3924CWA 19" Tabletop TV Restaurant. MTS/SAP decoder, and dbx noise reduction. Features graphic control system, TV/VCR remote: on-screen adjust display: picture reset: sleep timer $999

C3325CWA 13" Tabletop TV Features graphic control system, TV/VCR remote: on-screen adjust display: picture reset: sleep timer $219

31L4605A 31" Monitor/Receiver with Remote Console monitor/receiver with improved Definition Television (IDTV) technology, digital comb filter.
**PIONEER**

**SD-2001 Stereo Monitor/Receiver**
26" full-square monitor/receiver with MTS decoder for stereo broadcasts. SR remote controls Pioneer LaserVision players and VCR's. 1-key direct-access cable-compatible tuner; multi-function on-screen display; five video inputs with stereo audio; two video outputs with stereo audio; built-in speakers with 5-W/ch amplifier; external speaker ouputs. $769

**SD-2600 Stereo Monitor/Receiver**
26" full-square monitor/receiver with MTS decoder for stereo broadcasts. SR remote controls Pioneer LaserVision players and VCR's. 10-key direct-access cable-compatible tuner; wide-band comb filter; on-screen display of channel, time,睡眠模式; personal preference: shift time. $1,200

**PROTON**

**V1-290 Stereo Monitor/Receiver**
27" stereo monitor/receiver. Features 380 lines horizontal resolution; MTS decoder; video noise reduction; 139-channel cable-compatible tuning; switchable video sources and RF inputs; front-panel A/V inputs/outputs; bass/treble/balance controls. $939

**VF-210 Stereo Monitor/Receiver**
Monitor/receiver with built-in MTS/SAP decoder. 20" flat-square screen provides high-contract picture quality; horizontal resolution: 240 lines; S-VHS input; comb filter. $1,149

**TU9839CP 25" Monitor/Receiver**
25" remote monitor/receiver. Features 8-channel cable-compatible tuner; on-screen display, sleep time; previous Chapter recall; 20-function remote control; automatic color system; remote switchable dual RF inputs; automatic color system with electronic light sensor; combined filter; bass, treble and balance controls. $1,000

**TT6280CF 26" Stereo Monitor/Receiver**
26" remote stereo monitor/receiver with built-in MTS/SAP decoder. Features four speakers; S-VHS input; unified remote control; on-screen display; 155-channel cable-compatible tuner; surround-sound circuitry, bass; treble and balance controls; automatic color system. Mediterranean style cabinet; walnut finish. $1,000

**TU9881CU 27" Monitor/Receiver**
27" remote stereo monitor/receiver with built-in MTS/SAP decoder. Features four speakers; S-VHS input; unified remote control; on-screen display; 155-channel cable-compatible tuner; surround-sound circuitry, bass; treble and balance controls; automatic color system. Mediterranean style cabinet; walnut finish. $1,000

**V9990CK 31" Monitor/Receiver**
31" stereo remote monitor/receiver with built-in MTS/SAP decoder. Features four speakers; S-VHS input; unified remote control; on-screen display; 155-channel cable-compatible tuner; surround-sound circuitry, bass; treble and balance controls; automatic color system. Mediterranean style cabinet; walnut finish. $1,000

**VL9985CD**
As above with early-American style cabinet; pine finish on pine veneers on hardwood solids. $1,000

**VL9982CW**
As above with contemporary-style cabinet; walnut finish on walnut veneers on hardwood solids. $1,000

**TT9901CE 27" Stereo Remote Monitor/Receiver**
27" stereo remote monitor/receiver with built-in MTS/SAP decoder. Features four speakers; S-VHS input; 155-channel cable-compatible tuner; on-screen display, sleep time; previous Chapter recall; 20-function remote control; automatic color system; remote switchable dual RF inputs; automatic color system with electronic light sensor; combined filter; bass, treble and balance controls. Ebony woodgrain finish. $2,250

**U1P48SE Spectator 3" Monitor/Receiver**
Portable monitor/receiver with 10-channel display. One audio/video input; includes SVHS/infrared; auto search tuning; on-screen display; VHS/HiFi audio; back...
light, operates by rechargeable battery, AC adapter or car cord or by optional alkaline battery with 1/2 hours of viewing time. Includes A/V cord, soft case and wrist strap. $549

### RCA

**Dimensions Series**

All Dimensions monitor/receivers can be used as part of the Dimensions A/V system with a unified remote control (See A/V system section). They feature on-screen prompts and displays: 110° high-contrast picture tube; 147-channel cable-compatible frequency-synthesis tuner; auto programming; automatic channel selector; switching; picture reset with custom memory; video noise reduction; MTS/SAP stereo decoder with dBx noise reduction; high-compliance speaker system; built-in 5-watt amplifier; multiple jack monitor; EIA multi-port connection; sleep timer; channel lock; light sensor.

- **RVM2769** 27" console monitor/receiver... $1,299
- **RVM2750** 27" tabletop monitor/receiver... $999
- **RVM2731** 27" tabletop monitor/receiver with black finish... $999
- **RVM2732** 27" tabletop monitor/receiver with white finish... $999
- **RVM2690** 26" console monitor/receiver... $799
- **RVM2630** 26" tabletop monitor/receiver... $699
- **RVM2602** 26" monitor/receiver... $499

**G3110CK** 31" Stereo Monitor/Receiver

Horizontal console monitor/receiver with 4-speaker sound system with dBx. Features MTS/SAP stereo decoder; 56-button wireless remote control; on-screen display; sleep timer; 147-channel cable-compatible tuner; comb filter; front spine; programming; Vista Screen 31" audio/video monitor panel; S-VHS input/external speaker terminals; surround sound circuitry: 33.75 x 43.25 x 22.9 in. Oak finish... $2,499

- **G3110UL** As above, vertical console: 37.25 x 34.75 x 23.25 in... $2,499

**F12100BA** As above, table-model, black finish... $2,299

**G2730CP** 27" Stereo Monitor/Receiver

Console monitor/receiver with ColorTrack 2000 digital remote control center with on-screen displays. Features 147-channel cable-compatible tuner; MTS/SAP stereo decoder; 56-button remote control; alarm timer; sleep timer; channel lock; comb filter. HxWxH: 33.75 x 43.25 x 22.9 in. Oak screen: 19-jack monitor panel with 3 direct audio/video stereo inputs. VHS inputs. S-VHS input/external speaker terminals. S-VHS input: 560 lines horizontal resolution; auto programming; picture reset. Traditional pine cabinet: 32.1 x 46.75 x 20.4 in... $1,099

- **G2725CP** As above, contemporary cabinet: 32.4 x 44 x 19.4 in... $1,099
- **G27149** As above, traditional-styled cabinet: 32.75 x 31.5 x 18.4 in... $979
- **G27140** As above, slim contemporary cabinet: 32.75 x 31.5 x 18.4 in... $979

**F27123** 27" Stereo Monitor/Receiver

Table-model monitor/receiver with ColorTrack 2000 digital remote control center with on-screen displays. Features 147-channel cable-compatible tuner; MTS/SAP stereo decoder; 56-button remote control; alarm timer; sleep timer; channel lock; comb filter. Vista Screen picture tube: 19-jack monitor panel with 3 direct audio/video stereo inputs. VHS inputs. S-VHS input/external speaker terminals. S-VHS input: 560 lines horizontal resolution; auto programming; picture reset. Traditional pine cabinet: 23.3 x 28.75 x 18.75 in... $879

**F27213** 27" as above, wood cabinet... $879

**F27211** 31" as above, metallic mauve cabinet... $769

**F27251** 32" as above, slim contemporary cabinet... $799

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- **Nelson**...
- **Einspach**...
- **RCA**...
MONITOR/RECEIVERS

F27100AK As above, simulated-ash plastic cabinet $769
G26339HP 26" Stereo Monitor/Receiver Console monitor/receiver with ColorTrak 2000 digital remote control center with on-screen displays. Features 56-channel remote control, one-button picture reset; built-in clock with sleep timer; square-cornered picture tube with high contrast; cable compatible tuner; auto start/auto programming; 12-jack stereo audio/video monitor panel; external speaker terminals; 2 built-in speakers; MTS/SAP; stereo decoder with dbx noise reduction; comb filter. Traditional pecan cabinet $769
G26335KT As above, oak cabinet $769

G263151NG 26" Stereo Monitor/Receiver Table-model monitor/ receiver. Features 36-button digital remote control; on-screen displays; 10-jack video monitor panel; 2 built-in speakers; MTS/SAP stereo decoder with dbx noise reduction; built-in clock with sleep timer; comb filter; 400 lines horizontal resolution; square-cornered picture tube; compatible quartz tuning: auto-start; auto programming; ColorTrak 2000 digital controls. Gray finish. 18.9 x 20.5 x 18.9 in. $449
F26508WN As above; simulated wood finish 18 x 24.9 x 19.9 in. $449

RADIO SHACK
TC-102 12" (25-252) 20" Stereo TV 20-inch monitor/receiver with MTS/SAP and IRC. Vertical resolution 320 lines; scan memory; 139-channel cable-compatible tuner; on-screen display. Features 2 audio inputs; 1 audio output: 2 video inputs; 1 video output: 1 A/V input jack; 1 A/V output jack; remote control: HRC; IRC; ICC. ICC cable switch $500
TC1010 As above with 1 audio input; 1 video input $400

16-242 "AC/DC Color TV 9" TV for A/C operation. Features 82-channel tuner with presets for 12 channels; sun screen; auto fine-tuning. 10.6 x 11.9 x 10.6 in. $299
TC-171 (16-233) 13" Monitor/Receiver 13" monitor/receiver with remote control. Horizontal resolution 320 lines; receivers VHF, UHF, and CATV channels. Features 110-channel cable-compatible tuner; on-screen display; audio equalizer; color temperature control; signal enhancer, black pedestal level adjustment, notch filter, skew switch, and 1-button color control; 18-channel cable-compatible tuner on-screen display; MTS/SAP, stereo decoder; built-in speakers; 560 lines horizontal resolution; bass, treble, balance controls; audio outputs; external speaker jack; monitor outputs; 3 A/V inputs/outputs; off timer; channel lock $320
PocketVision-22 2" Color LCD TV 2" direct-view liquid crystal screen. Features digital electronic 69-channel tuner; rapid on-screen picture: brightness, tint and color controls; leatherette carry-case and vc adapter. 5.17 x 3.25 x 1.25 in. $200

SAMSUNG
TC26505S 26" Stereo Monitor/Receiver Table-model monitor/receiver with square-cornered screen. Features 139-channel cable-compatible tuner; MTS/SAP stereo decoder; dbx; 26-key remote control with direct-access and programmable scan; on/off timer; auto mono/stereo selection; on-screen display: comb filter; 2 speakers; 1 A/V input; 1 A/V output; sharpness control; headphone jack. 24.7 x 24.3 x 20.5 in. $750
TC2540S 25" Stereo Monitor/Receiver 25" stereo TV with quick-start, in-line gun, black matrix picture tube. MTS/SAP decoder: 18-channel remote control: MTS/SAP tuner; on-screen display of channel selection, volume, source, mode: dual speakers. 139-channel cable-compatible tuner: comb filter; sharpness control; A/V input jack; 5 W/ch audio amplifier: 24.7 x 24.3 x 20.5 in. $650
TC2650S 20" Stereo Monitor/Receiver Monitor/receiver with 181-channel cable-compatible tuner. Features MTS/SAP stereo decoder: dbx; 26-key remote control with direct-access, programable channel scan; clock, on/off timer; 90 minute sleep timer; on-screen display; comb filter; 1 A/V output: headphone jack; 3 W/ch audio output. 20.9 x 19.1 x 19.6 in. $350
TC0820S TC0823S 19" Stereo Monitor/Receiver 19" stereo TV with quick-start, in-line gun, black matrix picture tube, cable-compatible tuner: dual speakers; 3 A/V inputs; audio output: 139-channel cable-compatible tuner: 3 A/V inputs/outputs; comb filter; 139-channel cable-compatible tuner; 3 A/V inputs; audio output: 139-channel cable-compatible tuner: 3 A/V inputs; audio output: 139-channel cable-compatible tuner $350
TC97501 19" Monitor/Receiver Monitor/receiver with 139-channel frequency-synthesized tuner. Features 21-key wireless remote; programmable scan; on-screen display; automatic color control; automatic fine tuning; simulated woodgrain cabinet. 19.6 x 18.4 x 18.4 in. $295
TC8231 13" Monitor/Receiver Features 139-channel frequency-synthesized tuner: 21-key wireless remote control; on-screen display; automatic color control; auto fine tuning; simulated woodgrain cabinet $340

SANNO
AVM135 35" Stereo Monitor/Receiver Console monitor/receiver with 35-in line gun: slotted shadow mask, black-matrix picture tube. Features built-in MTS/SAP decoder: 18-channel cable-compatible tuner; 3 A/V inputs; audio/video output: TV audio/video output: external speaker jacks; amp delivers 7.5 W/ch; 4 speaker system with 2 6-6 woofers, 2 tweeters; comb filter; on-screen display of channel and time; remote A/V adjustment with on-screen graphics; turn-off timer: stereo synthesizer; manual degaussing control. Horizontal resolution 560 lines. Oak-finish cabinet; 325 lb. $3,799
AVM1320 31" Stereo Monitor/Receiver Console monitor/receiver with surround sound and programmable remote control. Features video equalizer with color temperature control; signal enhancer, black pedestal level adjustment, notch filter, skew switch, and 1-button color control; 181-channel cable-compatible tuner: on-screen display: MTS/SAP, stereo decoder; comb filter; 560 lines horizontal resolution; bass, treble, balance controls; audio outputs; external speaker jacks; monitor outputs; S-VHS: A/V inputs/outputs; off timer; channel lock $2,999
AV1230 27" Monitor/Receiver Console monitor/receiver with 24-button remote control. Features 181-channel cable-compatible tuner; video equalizer with color temperature control; signal enhancer, black pedestal level adjustment, notch filter, skew switch: S-VHS input; 181-channel cable-compatible tuner: on-screen display: comb filter; MTS/SAP, stereo decoder; on/off timer: sharpness control; 2 built-in speakers, bass, treble, and balance controls, audio output. A/V inputs: channel lock $799

AVM1279 26" Stereo Monitor/Receiver Console monitor/receiver with MTS/SAP stereo decoder. Features video equalizer with color temperature control, signal enhancer, black pedestal level adjustment, notch filter, skew switch, and 1-button color control; S-VHS input; 181-channel cable-compatible tuner: on-screen display: comb filter; sharpness control; 2 built-in speakers, bass, treble, and balance controls, audio outputs. A/V inputs: channel lock $699
AV1278SV 26" Stereo Monitor/Receiver Console monitor/receiver with black-matrix picture tube. Features 181-channel cable-compatible tuner; MTS/SAP, stereo decoder; 1-button color control; comb filter; external speaker jacks; 24-button remote control; on-screen display: S-VHS input: sleep timer; 35-W/ch amplifier; 33-button remote control; 500 lines horizontal resolution. Woodgrain finish $699
AV12720 20" Stereo Monitor/Receiver Console monitor/receiver with MTS. Features 181-channel cable-compatible tuner: on-screen display: black-matrix picture tube; comb filter; horizontal resolution 400 lines; 2 A/V input jacks; variable audio outputs: sleep timer; automatic fine-tuning; 33-button remote control $599
91C010 19" Monitor/Receiver Monitor/receiver with MTS decoder. Features 119-channel frequency-synthesized tuner: automatic fine-tuning: external audio outputs; built-in MTS/SAP decoder for stereo TV broadcasts; two 4' speakers: on-screen display: square-cornered picture tube; slotted shadow mask; noise cancelling circuit; 1-button color control; 17-button infrared remote control $499

SCOTT
HTS2700 27" MTS Stereo Monitor/Receiver Table-model, square-shouldered receiver/receiver with MTS/SAP decoder: S-VHS and ED Beta input: 500 line resolution; 140-channel cable-compatible tuner. 24-function random-access infrared remote; separate boss and treble controls; dual internal 4" speakers: built-in 5-W speaker: 180-degree flat panel for external speakers: FR 20-20,000 Hz at 0.5% THD. 25 x 27.5 x 17.75 in. 81 lb $899

SHARP
351D956 Stereo Monitor/Receiver 35" direct-view monitor/receiver with MTS. Features ambient stereo sound output jack for surround sound systems; square-cornered tinted high-contrast Linsym Plus picture tube; 140-channel cable-ready PLL quartz-synthesized electronic tuning; 25-key random-access remote control; channel flashlight; top-mounted controls; HQ circuitry, high-resolution comb filter; on-screen color-code-by-mode display; sleep timer; 3 sets of audio/video inputs and outputs; 2-way antenna inputs; external speaker jacks; AFT; Auto Color System; one-button picture-balance control; woodgrain cabinet with easy-roll casters; includes 75-300-ohm antenna adapter $3,995
351D986. Similar to above except speakers positioned on either side of screen instead of beneath screen $4,295
30MID877 Stereo Monitor/Receiver Floor-standing monitor/receiver with 30" flat square-shaft picture tube. Features MTS/SAP decoder for stereo TV broadcasts: two 4" speakers: 140-channel cable-compatible PLL monitor: channel memory; CATV jack; A/V input and audio line outputs: on-screen digital display for channel, volume, time, 24-function remote control channel
**MONITOR/_RECEIVERS**

**26MC287 Stereo Monitor/Receiver**
26" stereo monitor/receiver with MTS. Features ambient stereo sound output pack for surround sound system. Includes 75-300-ohm antenna adaptor; comb filter; dynamic picture processor; monitor/receiver with microblack picture tube; feature dynamic picture processor: A/V input/output; 181-channel cable-compatible tuner: remote control; fold out; built-in speaker; dynamic picture processor: 181-channel cable-compatible tuner: remote control. $2,495

**26LC276 Monitor/Receiver**
26" monitor/receiver with MTS. Features ambient stereo sound output pack for surround sound system. Includes 75-300-ohm antenna adaptor; comb filter; dynamic picture processor; monitor/receiver with microblack picture tube; feature dynamic picture processor: MTS/SAP stereo decoder; dynamic power capability; remote control; fold out; built-in speaker; dynamic picture processor: 181-channel cable-compatible tuner: remote control. $2,495

**26MV77(BK) Stereo Monitor/Receiver**
Remote-controlled console monitor/receiver. Features square-cornered, high contrast Lumintron plus picture tube; includes 140-channel cathode-ready R.F. quartz-synthesized electronic tuning; 24-24 remote-access remote control; channel flashing: high-resolution combination output pack for surround sound system; includes 9-2-way speaker sound system; audio tone and balance controls; direct audio/video input jacks and audio line output jacks; 2-way antenna inputs; CATV jack; A/V input/output; one-button picture balance control; simulated woodgrain cabinet finish. Features 75-300-ohm antenna adaptor. $1,000

**2ML700 3" Portable TV**
3" LCD pocket color TV. Features TFT (thin film transistor) active matrix system; dual A/V input/output; dual full-range speakers; MTS/SAP stereo decoder; 68-channel cable-compatible tuner; earphone jack; available in white or black. $480

**3M1000 3" Portable TV**
3" LCD pocket color TV. Features TFT (thin film transistor) active matrix system; dual A/V input/output; dual full-range speakers; MTS/SAP stereo decoder; 68-channel cable-compatible tuner; earphone jack; available in white or black. $599

**SONY**

**KV-32CX10 32" Stereo Monitor/Receiver**
Monitor/receiver with 600 line horizontal resolution. Features S-VHS input; 3 sets direct A/V inputs/outputs. Trinitron Microblack picture tube; 181-channel cable-compatible tuner; auto channel programming; remote control; A/V select switch; channel lock; sleep timer; 24-hour timer; jump channel; on-screen display; matrix surround sound; comb filter; Dynamic Color circuitry; MTS/SAP stereo decoder; 4 built-in stereo speakers; variable audio line out; optional stand with built-in super-woofer; stone-colored finish. $3,300

**KV-32SRX10 32" Stereo Monitor/Receiver**
Monitor/receiver with up to 600 lines horizontal resolution. Features S-VHS input; 3 sets direct A/V inputs/outputs. Trinitron Microblack picture tube; 181-channel cable-compatible tuner; auto channel programming; remote control; A/V select switch; channel lock; sleep timer; 24-hour timer; jump channel; on-screen display; matrix surround sound; comb filter; Dynamic Color circuitry; MTS/SAP stereo decoder; 4 built-in stereo speakers; variable audio line out; optional stand with built-in super-woofer; stone-colored finish. $2,700

**KV-27AVR 27" Stereo TV/Audio Center**
Monitor/receiver with built-in programmable CD player. Features format: Mini-TD's 3 inputs; 3 sets direct A/V inputs/outputs. Trinitron Microblack picture tube; 181-channel cable-compatible tuner; auto channel programming; remote control; A/V select switch; channel lock; sleep timer; 24-hour timer; jump channel; on-screen display; matrix surround sound; comb filter; Dynamic Color circuitry; MTS/SAP stereo decoder; 4 built-in stereo speakers; variable audio line out; optional stand with built-in super-woofer; stone-colored finish. $2,700

**KV-27DS1 27" Stereo Monitor/Receiver**
TV with Microblack picture tube. Features comb filter: dynamic picture processor; MTS/SAP stereo decoder; 4 built-in stereo speakers; variable audio line out; optional stand with built-in super-woofer; stone-colored finish. $1,000

**KV-27DS2 27" Stereo Monitor/Receiver**
Monitor/receiver with Microblack picture tube. Features flat, square-corner screen; comb filter: dynamic picture processor: A/V inputs; audio line out; dual speakers; MTS/SAP stereo decoder; A/V select switch; comb filter: dynamic picture processor: 181-channel cable-compatible tuner; express commander: 24-hour/1-event timer: channel lock; sleep timer: jump channel: on-screen display. $1,150

**KV-27DS20 27" Stereo Monitor/Receiver**
Monitor/receiver with Microblack picture tube. Features flat, square-corner screen; comb filter: dynamic picture processor: A/V inputs; audio line out; dual speakers; MTS/SAP stereo decoder; A/V select switch; comb filter: dynamic picture processor: 181-channel cable-compatible tuner; express commander: 24-hour/1-event timer: channel lock; sleep timer: jump channel: on-screen display. $1,150

**KV-27TX10 27" Stereo Monitor/Receiver**
Monitor/receiver with matrix surround sound. Features 4 built-in speakers; MTS/SAP stereo decoder; dynamic picture processor: A/V select switch; comb filter: dynamic picture processor: 181-channel cable-compatible tuner; auto channel programming. $2,400

**FDL-330 Component TV System**
Detachable component TV system with 23/4" screen. Features direct A/V input; 68-channel tuner; auto channel programming; AC/DC operation; earphone jack; Available in white or black. $450

**KV-8AD10 8" Monitor/Receiver**
Monitor/receiver with Trinitron picture tube with Microblack screen. Features stereo adaptability (MOT output connector; comb filter: dynamic picture processor: 181-channel cable-compatible tuner; remote commander; 24-hour/1-event timer: channel lock; sleep timer: 181-channel cable-compatible tuner; remote commander; A/V select switch; on-screen display. $450

**KV-1927RA 19" Monitor/Receiver**
Monitor/receiver with Trinitron picture tube with Microblack screen. Features stereo adaptability (MOT output connector; comb filter: dynamic picture processor: 181-channel cable-compatible tuner; remote commander; 24-hour/1-event timer: channel lock; sleep timer: 181-channel cable-compatible tuner; remote commander; A/V select switch; on-screen display. $450

**KV-1967L 19" Monitor/Receiver**
Monitor/receiver with Trinitron picture tube with Microblack screen. Features comb filter: dynamic picture processor: 155-channel cable-compatible tuner; remote commander; 24-hour/1-event timer: channel lock; sleep timer: 181-channel cable-compatible tuner; remote commander; A/V select switch; on-screen display. $400

**KV-1368 13" Monitor/Receiver**
Monitor/receiver with Trinitron picture tube with Microblack screen. Features A/V select switch; earphone jack; A/V select switch; on-screen display. $330

**FDL-310 Component TV System**
Detachable component TV system with 24" screen. Features direct A/V input; 68-channel tuner; auto channel programming; AC/DC operation; earphone jack; Available in white or black. $450

**FDL-310 Color Watchman**
Pocket-size color monitor/receiver with built-in speaker. Features 17" screen with 86,000 pixels; cartridge pack: electronic scan tuning; 3-way power capability; A/V line input. $650
AM/FM stereo radio. Features high-contrast active matrix LCD display, 2.7" screen; sound-only listening, A/V input for monitoring VCR; external antenna input; 3-way power capability; AC adapter; detachable handstrap; separate flip-out stand; carrying case; 3.4 x 6 x 1.2 in; 14 oz with batteries $550

Tabletop TV with MTS/SAP. Features ROSS. Super - RPJ700WA 27' Stereo TV Remote 29 Plus; on-screen adjust display; picture preset; sleep timer $749

RPJ510AK/514AK/516PE 27" Stereo TV. As above but 25" Features S-VHS; surround sound; SuperRemote-44 Plus with learn mode $749

Tabletop TV with ROSS. 23-button multi-function remote control; sleep control; channel lockout; channel scan; menu-driven on-screen display; sleep timer; 2 audio/video input/output jacks; 1 set of A/V outputs. Horizontal resolution 700 lines $799

Tabletop TV with MTS/SAP. Features ROSS Super - RPJ720AK 27" Table Top TV Remote $749

RPJ590BK/598PE 27' Stereo TV. As above but 25" Features S-VHS; surround sound; SuperRemote-44 RRJ11810AK 31" TV with Remote and time; turn-off timer; external speaker terminals: 3.5 mm headphone jack. 18.09 x 19.44 x 19.69 in; 99 lb $1,399

CT-1940R 19" Color TV
SU-27DS1. Charcoal. Fits KV-27DS1 SU-26I. Black or black with simulated oak accents. Fits KV-27TX20 or KV27TX I() $230

SV270 27" Stereo TV with Remote Table-model with flat screen; built-in MTS/SAP decoder; 139-channel cable-compatible tuner; 27-key full-function remote control; S-VHS input; built-in audio/video input/output jacks; external speaker terminals: automatic degaussing circuit; sleep timer. 23.38 x 25.44 x 19.69 in; 99 lb $649

SX209S 20" Stereo TV with Remote Table-model with flat screen; built-in MTS/SAP decoder; 139-channel cable-compatible tuner; 22-key full-function remote control; built-in audio/video inputs and outputs; on-screen display of channel and time; turn-off timer; external speaker terminals: 3.5 mm headphone jack. 18.09 x 19.44 x 18.69 in; 48 lb $469

19" TVC MKII 19" TV with built-in VHS VCR Table-model 19" TV with built-in VHS HQ VCR. Features 14-4-day timer with weekly setting; audio/video input/output jacks; 110-channel cable-compatible tuner; 24-function infrared remote control; auto repeat; one touch record. 20.25 x 18.88 x 18.19 in; 50.6 lb $699

13" TVC MKII 13" TV with built-in VHS VCR Table-model 13" TV with built-in VHS HQ VCR. Features 7-day/2-event timer; audio/video input/output jacks; 110-channel cable-compatible tuner; 15-function infrared remote control; auto repeat; one touch record. 16 x 15 x 13 x 14.69 in; 35 lb $499

TATUNG 3010 CPX 30" Stereo Television Features 38-key random-access remote control; on-screen display of channel, time, and video and audio adjustment levels; flat-square picture tube; MTS stereo decoder; 141-channel cable-compatible Horizontal resolution 500 lines $2,299

2775CPX 27" Stereo Console TV Console 27" stereo TV with S-VHS inputs. Features MTS/SAP decoder; built-in compartment for VCR; audio/video input/output jacks; 28-key random access infrared remote control; on-screen display; sleep timer; both treble and balance controls $1,499

2770CPX. As above, no VCR compartment $1,399

2700 CPX 27" Component Stereo TV Component TV with separate tuner and speakers. Features 2 sets of A/V input/output jacks; black full -square picture tube; horizontal resolution over 500 lines; detachable speakers; 18-key wireless remote control; 141-channel cable-compatible tuning; MTS/SAP decoder $899

2020 CPX 20" Stereo Television Features 28-key random-access remote control; on-screen display of channel, time, and video and audio adjustment levels; flat-square picture tube; horizontal resolution 500 lines $799

SSANGYONG CT-1940R 19" Color TV Table-top model; features on-screen graphics; random access infrared remote; 139-channel cable-compatible tuner; timer; audio/video input $599

CT-1540R. As above with 13" screen $399

SYLVANIA RRJ1810AK 31" TV with Remote Console TV with Remote On-Screen System (ROSS). Features S-VHS; surround sound; SuperRemote 44 Plus; PIP $1,999

RPJ500BK/508PE 27" Stereo TV. As above but 25" screen $999

RPJ720AK 27" Table Top TV Tabletop TV with MTS/SAP. Features S-VHS, dbx, ROSS, SuperRemote 44 Plus with learn mode; surround sound $999

RPJ540AK/540PE/940AK/946PE 27" Stereo TV Console TV with MTS/SAP. Features S-VHS, dbx, ROSS, SuperRemote 44 Plus $849

RPJ710CHI 27" Stereo TV Tabletop TV with MTS/SAP. Features S-VHS, dbx, ROSS, SuperRemote 44 Plus $799

RPJ510AK/514AK/516PE 27" Stereo TV Console TV with MTS/SAP. Features ROSS, SuperRemote 29 Plus; on-screen adjust display $749

RPJ700WA 27" Stereo TV Tabletop TV with MTS/SAP decoder; ROSS, SuperRemote 29 Plus; on-screen display $699

RRJ320WA 25" Stereo TV Tabletop TV with MTS/SAP. Features ROSS; SuperRemote 29 Plus; on-screen adjust display; picture preset; sleep timer $499

Audio/video input/output jacks; 28-key random access infrared remote control; on-screen display; sleep timer; both treble and balance controls $1,499

2770CPX. As above, no VCR compartment $1,399

2700 CPX 27" Stereo Monitor/Receiver Features 27" black full-square picture tube; 141-channel cable-compatible tuning; MTS decoder; 28-key random access remote control; on-screen display; back, treble, and balance controls; 3 sets of A/V input jacks; 1 set of A/V outputs. Horizontal resolution 500 lines $999

2700 CPX 27" Component Stereo TV Component TV with separate tuner and speakers. Features 2 sets of A/V input/output jacks; black full-square picture tube; horizontal resolution over 500 lines; detachable speakers; 18-key wireless remote control; 141-channel cable-compatible tuning; MTS/SAP decoder $899

2020 CPX 20" Stereo Television Features 28-key random-access remote control; on-screen display of channel, time, and video and audio adjustment levels; flat-square picture tube; 22-key full-function remote control; 141-channel cable-compatible Horizontal resolution 500 lines $799

TATUNG 3010 CPX 30" Stereo Television Features 38-key random-access remote control; on-screen display of channel, time, and video and audio adjustment levels; flat-square picture tube; MTS stereo decoder; 141-channel cable-compatible Horizontal resolution 500 lines $2,299

2775CPX 27" Stereo Console TV Console 27" stereo TV with S-VHS inputs. Features MTS/SAP decoder; built-in compartment for VCR; audio/video input/output jacks; 28-key random access infrared remote control; on-screen display; sleep timer; both treble and balance controls $1,499

2770CPX. As above, no VCR compartment $1,399

2700 CPX 27" Component Stereo TV Component TV with separate tuner and speakers. Features 2 sets of A/V input/output jacks; black full-square picture tube; horizontal resolution over 500 lines; detachable speakers; 18-key wireless remote control; 141-channel cable-compatible tuning; MTS/SAP decoder $899

19.1" VCR MKII 19" TV with built-in VHS VCR Table-model 19" TV with built-in VHS HQ VCR. Features 14-4-day timer with weekly setting; audio/video input/output jacks; 110-channel cable-compatible tuner; 24-function infrared remote control; auto repeat; one touch record. 20.25 x 18.88 x 18.19 in; 50.6 lb $699

13" TVC MKII 13" TV with built-in VHS VCR Table-model 13" TV with built-in VHS HQ VCR. Features 7-day/2-event timer; audio/video input/output jacks; 110-channel cable-compatible tuner; 15-function infrared remote control; auto repeat; one touch record. 16 x 15 x 13 x 14.69 in; 35 lb $499

TATUNG 3010 CPX 30" Stereo Television Features 38-key random-access remote control; on-screen display of channel, time, and video and audio adjustment levels; flat-square picture tube; MTS stereo decoder; 141-channel cable-compatible Horizontal resolution 500 lines $2,299

2775CPX 27" Stereo Console TV Console 27" stereo TV with S-VHS inputs. Features MTS/SAP decoder; built-in compartment for VCR; audio/video input/output jacks; 28-key random access infrared remote control; on-screen display; sleep timer; both treble and balance controls $1,499

2770CPX. As above, no VCR compartment $1,399

2700 CPX 27" Component Stereo TV Component TV with separate tuner and speakers. Features 2 sets of A/V input/output jacks; black full-square picture tube; horizontal resolution over 500 lines; detachable speakers; 18-key wireless remote control; 141-channel cable-compatible tuning; MTS/SAP decoder $899

2020 CPX 20" Stereo Television Features 28-key random-access remote control; on-screen display of channel, time, and video and audio adjustment levels; flat-square picture tube; horizontal resolution 500 lines; detachable speakers; 18-key wireless remote control; 141-channel cable-compatible Horizontal resolution 500 lines $799

19.1" VCR MKII 19" TV with built-in VHS VCR Table-model 19" TV with built-in VHS HQ VCR. Features 14-4-day timer with weekly setting; audio/video input/output jacks; 110-channel cable-compatible tuner; 24-function infrared remote control; auto repeat; one touch record. 20.25 x 18.88 x 18.19 in; 50.6 lb $699
MONITOR/RECEIVERS

wireless remote; A/V input/output jacks; sleep timer.
23.38 x 26.74 x 20.38 in; 45.9 lb 3629C.

THERA

629A 27" Stereo Monitor/Receiver Monitor/receiver with double-differential circuit for video signal monitoring and adjustment. Features color-transparent improved circuit: dynamic aperture; velocity modulation; black-level extension; non-linear compensation. MTS/SAP decoder; 181-channel channel-compatible tuner; 17-function wireless remote control. 18 x 19.38 x 18 in; 50.5 lb $329

TOSHIBA


CF3048 30" Stereo Monitor/Receiver Table-model monitor/receiver with 30" FST Magnum picture tube. Features MTS/SAP stereo decoder with dbx noise reduction: 2-channel channel-compatible tuner: 24-key channel return and programmable scan: CCID comb filter: horizontal resolution 400 lines: 40-key unified remote control: S-VHS input: audio/video inputs: variable audio output: 5 W/ch amp $2,600

CF2028 30" Monitor/Receiver Monitor/receiver with 20" FST picture tube. Features 122-channel channel-compatible tuner with channel return: 20-key remote control: audio/video inputs: 90-minute off timer: picture sharpness control $1,950

CF917 19" Monitor/Receiver Table-model monitor/receiver with 13" Blackstripe picture tube. Features 122-channel channel-compatible tuner with channel return: 7-key remote control: S-VHS type: programmable scan: 90-minute off timer: picture sharpness control $1,799

VECTOR RESEARCH

VTM-26 Monitor/Receiver 26" table monitor/receiver with dbx. Features 142-channel channel compatible tuner: two sets of A/V terminals: 2.5 W x 2: on-screen display: turn-off timer quick channel view: horizontal resolution 600 lines: 24.20 x 26 x 19.5 in $999

YAMAHA

YMI-3000S 30" Monitor/Receiver 30" monitor/receiver with MTS/SAP. Features 128-channel channel tuner; 360 lines resolution; remote control: interactive with current Yamaha VCR's: 3 video inputs: S-VHS type: on-screen display: flat-square picture tube $1,999

ZENITH

**Monitor/ Receivers**

<table>
<thead>
<tr>
<th>Model</th>
<th>Display Size</th>
<th>Features</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE2723W 27&quot; Color TV</td>
<td>27&quot;</td>
<td>25&quot; color TV with on-screen display of channel, band, time, sleep timer. Features infrared remote control: 178-channel cable-compatible tuner; sleep timer; programmable channel scan.</td>
<td>$2,500</td>
</tr>
<tr>
<td>SE2595H 25&quot; Color TV</td>
<td>25&quot;</td>
<td>25&quot; color TV with on-screen display of channel, band, time, sleep timer. Features infrared remote control: 178-channel cable-compatible tuner; sleep timer; programmable channel scan.</td>
<td>$2,300</td>
</tr>
<tr>
<td>SE2557H 25&quot; Color TV</td>
<td>25&quot;</td>
<td>25&quot; color TV with on-screen display of channel, band, time, sleep timer. Features infrared remote control: 178-channel cable-compatible tuner; sleep timer; programmable channel scan.</td>
<td>$2,100</td>
</tr>
<tr>
<td>SE2017W 20&quot; Color TV</td>
<td>20&quot;</td>
<td>20&quot; color TV with remote. Features 157-channel cable-compatible tuner; programmable channel scan; sleep timer. Features infrared remote control: 178-channel cable-compatible tuner; sleep timer; programmable channel scan.</td>
<td>$1,900</td>
</tr>
<tr>
<td>SE1915W 19&quot; Color TV</td>
<td>19&quot;</td>
<td>19&quot; color TV with remote. Features 157-channel cable-compatible tuner; programmable channel scan; sleep timer. Features infrared remote control: 178-channel cable-compatible tuner; sleep timer; programmable channel scan.</td>
<td>$1,700</td>
</tr>
<tr>
<td>SE2015H 20&quot; Stereo Monitor/Receiver</td>
<td>20&quot;</td>
<td>20&quot; color TV with remote. Features 157-channel cable-compatible tuner; programmable channel scan; sleep timer. Features infrared remote control: 178-channel cable-compatible tuner; sleep timer; programmable channel scan.</td>
<td>$1,500</td>
</tr>
<tr>
<td>SE2517W 25&quot; Stereo Monitor/Receiver</td>
<td>25&quot;</td>
<td>25&quot; color TV with remote. Features 157-channel cable-compatible tuner; programmable channel scan; sleep timer. Features infrared remote control: 178-channel cable-compatible tuner; sleep timer; programmable channel scan.</td>
<td>$1,300</td>
</tr>
<tr>
<td>SE2027W 20&quot; Stereo Monitor/Receiver</td>
<td>20&quot;</td>
<td>20&quot; color TV with remote. Features 157-channel cable-compatible tuner; programmable channel scan; sleep timer. Features infrared remote control: 178-channel cable-compatible tuner; sleep timer; programmable channel scan.</td>
<td>$1,100</td>
</tr>
<tr>
<td>SE2509H 25&quot; Color TV</td>
<td>25&quot;</td>
<td>25&quot; color TV with on-screen display of channel, band, time, sleep timer. Features infrared remote control: 178-channel cable-compatible tuner; sleep timer; programmable channel scan.</td>
<td>$2,200</td>
</tr>
<tr>
<td>SE2505H 25&quot; Color TV</td>
<td>25&quot;</td>
<td>25&quot; color TV with on-screen display of channel, band, time, sleep timer. Features infrared remote control: 178-channel cable-compatible tuner; sleep timer; programmable channel scan.</td>
<td>$2,000</td>
</tr>
<tr>
<td>SE2501H 25&quot; Color TV</td>
<td>25&quot;</td>
<td>25&quot; color TV with on-screen display of channel, band, time, sleep timer. Features infrared remote control: 178-channel cable-compatible tuner; sleep timer; programmable channel scan.</td>
<td>$1,800</td>
</tr>
</tbody>
</table>

**Note:** Prices are approximate and subject to change. Always check with the retailer for the most current information.
**AMPRO**

**Video Beam 3000 Front/Rear-Projection Monitor**

- 6.5-ft curved, 7-ft flat, 10-ft flat high-resolution video and data projector for boardrooms and training.
- 500 usable lumens; NTSC, RGB/analog and RGB/TTL inputs; auto-scan: 14 kHz-38 kHz horizontal and 45-100 Hz vertical scan rates; A/V switching.

- Video Beam 1000 Front/Rear-Projection Monitor

- 6.5-ft curved, 7-ft flat, 10-ft flat high-resolution projector for large screen video and basic personal computers.
- 500 usable lumens; NTSC, RGB/analog and RGB/TTL inputs; audio and video switching; built-in speaker, rear panel, wired or infrared remote control; floor or ceiling mount; 120/230 VAC; 50/60 Hz; 300 watts; 29.5 x 25 x 9 in; 70 lb; includes one NTSC and one RGB/analog input module.

**Input Modules, Cables and Remote Controls**

<table>
<thead>
<tr>
<th>Module Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB analog input module</td>
<td>$300</td>
</tr>
<tr>
<td>RS-1275 24&quot; Rear-Projection Television</td>
<td>$2,200</td>
</tr>
</tbody>
</table>

**RJ8552 55" Rear-Projection Monitor/Receiver**

- 55-rear-projection monitor/receiver with built-in MTS/SAP: digital special effects. Built-in surround sound. Random-access electronic tuning with fiber optic VCR/TV remote control. S-VHS input; A/V input jacks; external speaker jacks; comb filter; on-screen display. $3,500

**HARVARD KARDON**

**VPN-600 Projection Television**

Projects picture from 6 feet to 20 feet diagonally on a user-selectable flat or curved screen mounted from a floor or ceiling (front or rear) position. Features dual-stage hybrid lens assembly for better edge focus.

- Linear phosphor and color demodulator for improved color registration; 7" tubes. Includes 37-function remote control; built-in stereo amp and speakers; on-screen stereo synthesizer, on-screen convergence from remote, light output 350 lumens; resolution 400 lines, horizontal 450 lines, RGB: S-VHS input. Requires 4 square feet of floor space. $5,990

**HEATHKIT**

**GR-8000 Projection TV Kit**

- 8-foot front projection TV kit with stereo. Features MTS/SAP decoder; liquid-cooled projection tube; 1.75-channel cable-compatible tuner; remote control includes flashback feature; built-in stereo amplifier with two 5 oval speakers, contemporary-style cabinet with pecan-color finish, 10.25 x 31 x 25 in; 128 lb.

- GBA-8000-3, Manually operated 98"-diagonal screen for GR-8000. $1,495
- GBA-8000-2, Ceiling mount for GR-8000. $49.95
- GBA-8000-1, Matching floor stand for GR-8000. $350

**INFINITY**

**RS-115 Projection Television**

- 5.15 foot front-projection television with built-in surround sound decoder. Requires 10-W/ch amplifier; 178 total channel capabilities; PIP; liquid-cooled tubes/liquid-coupled lens system; random access touch-tuning; on-screen menu displays; channel-guide display; remote bass, treble and balance controls; rear-panel audio/video connections; built-in MTS/SAP stereo decoder; remote control. $1,699

**MAGNAVOX**

**RJ8556 52" Rear-Projection TV**

Projection TV with 160" wide-angle black matrix screen. Features S-VHS, >350 footlamberts brightness. TV/VCR/cable universal remote control with picture-in-picture; on-screen display; channel-guide display; remote bass, treble and balance controls; rear-panel audio/video connections; built-in MTS/SAP stereo decoder: doors on cabinet. $2,999
**PROJECTION TV'S**

**RH8535AK 46" Rear-Projection TV**
Projection TV with 400+ lumen brightness. Features S-VHS, 160° wide-angle black matrix screen, TV/VCR/cable universal remote, stereo sound system: 178 total channel capability, liquid-cooled tubes/liquid-cooled lens system, random-access touch-tuning on-screen menu display, remote bass, treble and balance controls, rear-panel audio/video connection built-in MTS/SAP stereo decoder: cabinet with doors... $2,999
RH8535. Same as RH8535 without doors... $2,499

**RH8515AK 41" Rear-Projection TV**
Projection TV with 400+ lumen brightness. Features S-VHS, 160° wide-angle black matrix screen, TV/VCR/cable universal remote, stereo sound system: 178 total channel capability, liquid-cooled tubes/liquid-coated lens system, random-access touch-tuning on-screen menu display, remote bass, treble, and balance controls, rear-panel audio/video connections: built-in MTS/SAP stereo decoder: cabinet with doors... $2,499
RH8515AK. Same as RH8515 without doors... $2,299

**MITSUBISHI**

**VS-686R 50" Rear-Projection TV**
Rear-projection monitor/receiver with three 6-element multi-coated f/1.0 glass lenses: Features intercooled coupling: 560 lines horizontal resolution: 181-channel cable-compatible tuner: MTS: Quick View on-screen display: channel lock: external speaker terminals: $2,799

**VS-586R 50" Rear-Projection TV**
Rear-projection monitor/receiver with three 6-element multi-coated f/1.0 glass lenses: Features intercooled coupling: 560 lines horizontal resolution: 181-channel cable-compatible tuner: MTS: Quick View on-screen display: channel lock: external speaker terminals: $2,799

**VS-468RS 45" Rear-Projection TV**
Rear-projection monitor/receiver with three 6-element multi-coated f/1.0 glass lenses: Features intercooled coupling: 560 lines horizontal resolution: 181-channel cable-compatible tuner: MTS: Quick View on-screen display: channel lock: external speaker terminals: $2,799

**VS-678RS 45" Rear-Projection TV**
Rear-projection monitor/receiver with three 6-element multi-coated f/1.0 glass lenses: Features intercooled coupling: 560 lines horizontal resolution: 181-channel cable-compatible tuner: MTS: Quick View on-screen display: channel lock: external speaker terminals: Black vinyl... $2,799

**VS-414RS 40" Rear-Projection TV**

**PMR-45 45" Rear-Projection TV**

**NEC**

**PJ-4370S 45" Projection TV**
Projection TV with MTS/SAP stereo decoder: >540 footlambert brightness: horizontal resolution >500 lines: variable audio output: 2 kS inputs/1 kS output: on-screen display: 2 video inputs/2 video outputs: external speakerJak: channel lock: 180-minute sleep timer: 24-hour on timer: Hi-ocular lens... $3,400

**PJ-4660S 46" Projection TV**
Projection TV with surround sound capability: Features MTS/SAP stereo decoder: >450 footlambert brightness: horizontal resolution >500 lines: variable audio output: 2 kS inputs/1 kS output: on-screen display: 2 video inputs/2 video outputs: external speaker Jak: channel lock: 180-minute sleep timer: 24-hour on timer: Hi-ocular lens... $3,700

**PANASONIC**

**PTK-5190S 51" Stere Rear-Projection TV**
audio output jack; 2-way, 4-speaker sound system, on-screen graphic v.o. Dolby surround sound; auto programmable scan; clock and programmable on/off timer; parental-guidance control; pecan veneer cabinet with concealed casters and doors .......... $4,300
PTK-5196S. As above without doors ..................... $3,800
PTK-4950S. 45" model of above with 300 IL. With doors ............................................................. $3,800
PTK-4950S. Same as 4950S without doors .......... $3,300

PTJ-4588R 45" Stereo Rear-Projection TV
Remote-controlled projection TV with liquid-cooled optically-coupled CRT/lens system. Features MTS/SAP decoder; 155-channel cable-compatible tuner; on-screen display of channel and time; stereo audio/video input/output; TV out; program out and variable audio output jacks; amplifier delivers 10 watts per channel; two 6½" and two 2½" speakers. Peak brightness 300 footlamberts; horizontal resolution more than 450 lines; $2,900

PTJ-4583R 45" Stereo Rear-Projection TV
Remote-controlled projection TV with unified remote control. Features MTS/SAP decoder; 155-channel cable-compatible tuner: on-screen display of channel and time; stereo audio/video input/output and variable audio output jacks; amplifier delivers 10 watts per channel; speakers include two 6½" woofers and two 2½" tweeters; comb filter. Peak brightness 350 footlamberts; horizontal resolution more than 400 lines; 42.5 x 51.94 x 27 in; 286 lb ........ $2,900

PTK-4074S 40" Rear-Projection TV
40" diagonal TV with black-matrix screen. Features 3-tube/3-lens projection system; liquid cooled picture tubes; optical coupling between picture tube and lens; 300 IL; comb and tweeter filters; 155-channel cable compatibility; 22-function TV/VCR remote control; A/V input/output jacks; S-video jack; stereo and separate audio program reception capability; 5 W/ch audio section; variable audio output jack; bass/treble/balance controls; programmable scan with rapid tune; sleep timer; concealed casters; oak wood-grain cabinet .................................................. $2,200

PHILCO

P8346CK 46" Rear-Projection TV
Remote-controlled projection TV with remote bass, treble and balance controls, and black matrix screen. Features remote control; MTS/SAP decoder; 178-channel cable-compatible tuner; on-screen display of channel and time; left and right audio input jacks; left and right audio output jacks; video input and output jacks; two 6½" x 4" speakers; comb filter. Peak brightness 500 footlamberts; viewing angle 60°; horizontal resolution 440 lines; ....................... $2,320

PHILIPS

52JP555A 52" Rear-Projection TV
Remote-controlled projection TV with S-VHS jack. Features three internal angular reflection-coated 7" tubes; RF switching; MTS/SAP decoder; stereo surround sound; 178-channel cable-compatible tuner; on-screen display of channel and time; amplifier delivers 10 watts per channel; channel block; comb filter; channel guide; turn-off timer. Peak brightness 450 footlamberts; viewing angle 160°; cabinet with doors ......................... $3,999
46JP455A 46" Rear-Projection TV. As above with 46" screen, and 550 footlamberts; ........ $3,599
41JP215A 41" Rear-Projection TV. As above with 41" screen, 700+ footlamberts, and no doors on cabinet .................................................. $2,999

PIioneer

SD-PS02 Projection Monitor
50" Rear-projection monitor with five element hybrid lens. Features 900-line resolution; one glass lens, and 4 aspher-cal-surfaced plastic lenses. Dynamic Picture Control (DPC); Dynamic Color Control (DCC); Dynamic Focusing Circuit (DFC); Dynamic Picture Optimizer (DPO). 4 A/V inputs, includes 1 on front panel. 300 IL cabinet with doors; 53.3 x 46.1 x 26.8 in .......................... $4,200
SD-PS452. Similar to above except 45" screen. 350 IL; and 50-line resolution. 50.2 x 42.1 x 25.7 in; 3,850 AD402. As above except 40" screen; 400 IL; and 640-line resolution. 46.1 x 37.6 x 23.4 in ....................... $3,500

QUASAR

PR5585AK 45" Rear-Projection TV
Remote-controlled projection TV with built-in MTS/SAP decoder. Features TV/VCR unified remote control; auto color system with light sensor. 155-channel cable-ready tuner; L/R audio input/output; L/R variable audio output; video input/output jacks; comb filter; 330/400 line resolution (tuner/direct video source); 5 W/ch power amplifier; 2 built-in speakers with 5" woofers and 2" tweeters; channel lock; Genuine oak veneer finish. Concealed casters. 46.3 x 45.25 x 24.5 in .......................... ......... $2,999

RCA

PS05955 50" Rear-Projection TV
Remote-projection monitor/receiver with picture-in-picture. Features ColorTrak 2000 digital remote control system; on-screen displays and prompts; MTS/SAP stereo decoder with dbx noise reduction; comb filter; 275 IL brightness; two built-in 149-channel cable-compatible tuners; alternate channel switching; 59-button remote control; 14-jack video monitor panel; S-VHS input; 10-W/ch power amplifier; 2 built-in speakers with 5" woofers and 2" tweeters; channel lock; true color; genuine oak veneer finish. Dimensions 43.55 x 24.6 x 28 in; 3,099

Dimensia RVM146700 46" Rear-Projection TV
Remote-projection monitor/receiver with 149-channel cable-compatible frequency-synthesis tuner. Features on-screen prompts and displays; auto program change; automatic cable/tv switching; picture in picture; with custom memory; video noise reduction; MTS/SAP decoder with dbx noise reduction; high-compliance speaker system; built-in 10-watt amplifier; multiple-jack monitor; sleep timer; alarm timer; channel lock; light sensor. Dimensia system remote compatibility ........ $2,499

P4600TF 46" Rear-Projection TV
Remote-projection monitor/receiver with 56-button remote control. Features ColorTrak 2000 digital remote control system; on-screen displays and prompts; MTS/SAP stereo decoder with dbx noise reduction; comb filter; 325 IL brightness; 149-channel cable-compatible tuner; alternate channel switching; 14-jack video monitor panel; S-VHS input; 5-W/ch power amplifier; 2 built-in speakers with 5" woofers and 2" tweeters; channel lock; Dual Color Control; ..... $2,399
and 2 tweeters, channel lock. Oak veneer finish. .43.9 x 37.6 x 21 in $2,299

**SHARP**

40DK855 40" Projection TV
40" rear-projection television with MTS/SAP, and 20-key random-access remote control with channel flash-and-rt switching. Features 40-channel cable capability, in-line 3-tube 3-lens projection system comb filter, MTS/mono switching, sharpness control, 2 sets of video inputs, 2-way rf inputs/outputs, 2-way 2-speaker sound system, left and right audio inputs/outputs, compact cabinet with foldback doors. Horizontal resolution 330 lines, 41 x 45 x 25 in 509 lb. $2,595

40LD876. Same as above but without foldback cabinet doors. $2,795

**SONY**

KPR-46CX10 46" Rear-Projection TV
Rear-projection TV with liquid-cooled coupled picture tubes. Features 350 footlamberts brightness, digital picture-in-picture with split screen, swap position, channel, instant replay, channel/index display, multi-screen, 2 built-in 181-channel cable-compatible Express Tuners. 3 sets direct video/stereo audio inputs, S-video Y/C input, variable audio output: matrix surround sound. 46.1 x 51.9 x 29.4 in; 269 lb. $4,000

KPR-46DX10. As above, enclosed in cabinet with remote control; sleep timer, on-screen displays. 46.1 x 51.9 x 29.4 in; 269 lb. $4,000

KPR-440AK 46" Rear -Projection TV
Rear-projection TV with 500-line horizontal resolution. Features 160 viewing angle, FM simulcast reception, dynamic focus circuitry, express commander remote control; sleep timer, on-screen displays. 46.1 x 51.9 x 29.4 in; 269 lb. $4,000

KPR-445AK 46" Rear -Projection TV
Rear-projection TV with 500-line horizontal resolution. Features 160 viewing angle, FM simulcast reception, dynamic focus circuitry, express commander remote control; sleep timer, on-screen displays. 46.1 x 51.9 x 29.4 in; 269 lb. $4,000

**TOSHIBA**

TPS3105 62" Rear-Projection TV
Rear-projection television with Carver Sonic Holography sound system, Features electromagnetic focus picture tube: MTS/SAP stereo decoder with dbx noise reduction; S-VHS input; audio/video inputs/outputs; variable audio output; picture-in-picture: 181-channel cable-compatible tuner; CC1 comb filter; 560 lines horizontal resolution; >300 footlamberts brightness; two RF inputs; on-screen display; 50-key unified remote control. $3,600

**VIDIKRON**

Vidikron Projection Monitor System
Picture size continuously adjustable from 70-120" diagonally measured front or rear projection: floor or ceiling mounting; 470 luminance brightness; 460 lines resolution, monitor can be tilt-adjusted up to 20° or down: inputs RF, RGB/analog, RGB/f.tl, S-VHS, 2 x 10 watt amplifier: infrared remote for power, input switching, color intensity, tint, brightness, contrast, volume, built-in trigger, relay raises, and lowers optional flat screen when monitor is turned on and off, remote ceiling mounting bracket; lens covers: 9 x 22 x 24.5 in; 46.5 lb. $5,700

**SYLVANIA**

RSJ445AK 52" Rear-Projection TV
Remote-controlled projection TV with oak grain finish cabinet and surround sound. Features S-VHS,PIP, >350 ft, 160 viewing area, 7" liquid cooled tube, 2 RF inputs, 2 line inputs, variable audio outputs. $2,999

RSJ445AK 46" Rear-Projection TV 46" version of above with cabinet doors and 400+ ft. $2,999

RSJ440AK. As above without cabinet doors $2,799

RSJ410A. As above but 41" screen, 500+ ftL, no surround sound, and no cabinet doors. $2,299

**ZENITH**

ZB466ST 46" Zenith/Bose Rear-Projection TV
46" rear-projection monitor/receiver with Zenith/Bose sound system. Features World System Telextext, picture-in-picture, unified TV/VCR wireless remote; on-screen display. 178-channel cable-compatible tuner: programmable channel scan, sleep timer, parental control, S-VHS input (with optional adaptor). 3 audio/video inputs, 1 audio/video output: 1 variable audio switchable for amp or direct speaker connections. Contemporary-style teak-finish cabinet. 50.63 x 40 x 27.38 in. $3,400

PV6467C 46" Digital Rear-Projection TV
46" rear-projection monitor/receiver with Premium Sound System with Dolby Surround Sound. Features picture-in-picture: 178-channel, audio input with surround sound, S-VHS input (with optional adaptor), picture-in-picture, 160° viewing angle: black matrix screen, infrared remote control: S-VHS input with adapter, 2 A/V inputs, 1 A/V output, 1 KGB/S-VHS input; 1 variable audio output with surround channel; 6 speakers: built-in 40-watt amplifier: two surround-sound external speakers included; charcoal slate metallic finish. 48 x 46.75 x 27.81 in. $3,300

PV685P 8-Foot Stereo Front/Rear-Projection TV
Remote-controlled 8-foot projection monitor/receiver with World System Telextext decoder. Features MTS/SAP decoder: S-VHS input (with optional adaptor): picture-in-picture: 178-channel cable-compatible tuner: on-screen display: optical coupling and liquid-cooled picture tubes, image control: front or rear projection: sleep timer, programmable channel scan, adjustable 5'-10' picture, 2 A/V inputs, 1 A/V output, 1 KGB/S-VHS input; 1 A/V output, 1 variable audio output, 22 5" speakers, Pecan finish. 10.24 x 31 x 25 in. $2,900

PV466IVH 46" Digital Rear-Projection TV
46" rear-projection monitor/receiver with Premium Sound System. Features World System Telextext decoder; picture-in-picture: S-VHS input with adapter, 178-channel cable-compatible tuner: on-screen display: liquid-cooled, liquid-coupled projection system, 160° viewing angle, black matrix screen; infrared remote control: S-VHS input with adapter, 2 A/V inputs, 1 A/V output, 1 KGB/S-VHS input; 1 A/V output, 1 variable audio output, 22" speakers. Pecan finish. $2,800

PV805X 8-Foot Front/Rear-Projection TV
Remote-controlled 8-foot projection monitor/receiver with World System Telextext decoder. Features MTS/SAP decoder: S-VHS input (with optional adaptor): picture-in-picture: 178-channel, channel-compatable tuner: on-screen display: optical coupling and liquid-cooled picture tubes, image control: front or rear projection: sleep timer, programmable channel scan, adjustable 5'-10' picture, 2 A/V inputs, 1 A/V output, 1 KGB/S-VHS input; 1 A/V output, 1 variable audio output, 22" speakers, Pecan finish. 10.24 x 31 x 25 in. $2,800

PV830X 8-Foot Front/Rear-Projection TV
Remote-controlled 8-foot projection monitor/receiver with World System Telextext decoder. Features MTS/SAP decoder: S-VHS input (with optional adaptor): picture-in-picture: 178-channel, channel-compatible tuner: on-screen display: optical coupling and liquid-cooled picture tubes, image control: front or rear projection: sleep timer, programmable channel scan, adjustable 5'-10' picture, 2 A/V inputs, 1 A/V output, 1 KGB/S-VHS input; 1 A/V output, 1 variable audio output, 22" speakers. Pecan finish. 10.24 x 31 x 25 in. $2,800
VIDEO BUYERS' GUIDE 1989

A U D I O / V I D E O P R O C E S S O R S

ARCHER BY RADIO SHACK

15-1279 Dolby Surround Decoder/Amplifier
Decodes Dolby stereo on videotapes and discs; synthesizes surround sound and stereo from monaural sources. Features inputs for tuner, audio tape, and video/TV, and has a built-in 10-watt amplifier. 2.94 x 9.81 x 9.81 in

$130

15-1272 Audio/Video Processor
Enables on-screen comparison of processed and original signals. Features fade control: 2 outputs; 2 inputs; RF audio/video conversion, direct connection between videocassette recorder and TV receiver or monitor. Includes Iris 2 VCR's, reduces noise; switcher selects between 2 sources; eliminates copy-guard: can operate during recording and playback. 9.94 x 2.25 x 6.38 in

$100

15-1163 Audio/Video Control Center
Features switchable processor loop; 4 outputs, 4 inputs; direct connection between VCR and TV receiver/monitor; connection between 2 VCR's. Connects audio output of video systems to home hi-fi. Cuts out hiss, adds stereo dimension. May be used to add stereo dimension to rear channels. THD below 0.03%; noise -80 dB; maximum input/output level 6 V rms, input imp 47 kilohms, output imp 150 ohms. 17.2 x 2.5 x 6 in.

$70

SOUND TRACKER II

Features five-band equalizer; high-quality comb filter; stereo synthesizer; and noise reduction for TV, VCR, or satellite system. Connects audio output of Audio/Video Processors to dub videotapes, view multiple video monitors. IC-150BA, with black chrome faceplate.

$2,870

IC-851CH, with polished chrome faceplate.

$2,870

AU D I O D I S T R I B U T I O N

Video Soundtracker II
Features switchable processor loop; 4 outputs, 4 inputs; direct connection between VCR and TV receiver/monitor; connection between 2 VCR's; eliminates copy-guard: can operate during recording and playback. 9.94 x 2.25 x 6.38 in

$100

Audio/Video Amplifiers

IMC-858C, With black chrome faceplate.

$2,870

IMC-851CH, With polished chrome faceplate.

$2,870

Audio/Video Control Centers

AV Three A/V Switcher/Processor
Features fader, enhancer; color and hue control; selection between five A/V inputs and outputs; built-in RF modulator; low-noise A/V distribution amplifiers; Audio section features DNR, stereo synthesizer, Dolby NR. Video FR 50-3.5 MHz ± 3 dB; luminance S/N > 80 dB

$200

AV Four A/V Switcher/Processor
Video section selects between 4 inputs and 3 outputs; built-in RF modulator; low-noise A/V distribution amplifiers. Audio section features 15-watt/channel amplifier; seven-band graphic equalizer; fader; surround synthesizer; stereo synthesizer. Dolby NR. Video FR 50-3.5 MHz ± 3 dB; input imp 30 ohms

$170

SS Two Surround-Sound Processor
Dolby Surround-sound processor with stereo synthesizer and hall effects. Features wireless remote control: variable digital time delay: 30-watt/channel amplifier; calibration knobs for maximum front and rear separation; low/high frequency boost; separate processor output jacks; soft-touch front-panel controls. 16.5 x 2.25 x 11.5 in. 18 lb

$129

BP

V-1895 Video Processor
Stereo video processor and video enhancer. Features video stabilizer; 1 video input/4 video outputs; 1 audio input/output; distribution amplifier; 2 x 15 x 6 in. 4 lb

$170

V-1880 Video Processor
Stereo video processor and video enhancer. Features video stabilizer: 1 video input/2 video outputs; 1 audio input/output; distribution amplifier: 3 x 13 x 7 in. 3 lb

$99

V-1866 Video Enhancer
Stereo video enhancer. Features 1 video input/output. 2 x 5 x 4 in. 1 lb

$60

C A R T E R

60-608 Video Image Enhancer
Improves performance of video cameras, and VTR's. Especially useful when duplicating second or third generation tapes. Features video gain; low-noise audio/video distribution. 15-watt A/V audio converter

$2,499

FOSSATE

DSM-366 ProPlus Surround Audio Processor
High-separation, 360 Digital Signal Processor with Scheiber/Fosgate logic circuitry. Features line output for all channels, and center channel in RF modulator, subwoofer output (80 Hz) plus Bass EQ circuitry, high-separation center-channel output. May be used with three, four, or six speaker arrays. LED indicators verify surround and dialogue encoding. Class A analog circuitry. Low-loss film capacitors used in audio signal path. Black and gold finish. Less than 0.02% THD at 2 V output; FR 50-30,000 Hz (main channels). 5-100 Hz (subwoofer). 20-10,000 Hz (stereo ch regular modes). 5-30,000 Hz (surround ch medium/wide modes). 17.24 x 2.75 x 12 in

$629

DSM-3608 ProPlus. Provides all of the features of DSM-3608/3608 plus 4 A/V inputs, outputs for left and right side channels enabling user to configure any speaker source. Includes infrared remote control...

$999

M-100 Mono Audio Power Amplifier
Compact amplifier designed especially for center channel application in a surround audio system. Features 130-W avg continuous power into 4 ohms from 20-200,000 Hz. 60-W avg continuous power into 8 ohms from 20-20,000 Hz with less than 0.2% T.H.D. input imp 20 kilohms; input level 1 V for rated output. Includes gain adjust; LED clipping indicator; 2 power switches. 16.6 x 8.6 in

$399

SS-97 Surround Sound Processor
Surround sound processor with Dolby, theater, and stadium (with variable delay) modes. Provides high separation enhancement of any stereo source. Includes infrared remote control...

$999

M-100 Mono Audio Power Amplifier
Compact amplifier designed especially for center channel application in a surround audio system. Features 130-W avg continuous power into 4 ohms from 20-200,000 Hz. 60-W avg continuous power into 8 ohms from 20-20,000 Hz with less than 0.2% T.H.D. input imp 20 kilohms; input level 1 V for rated output. Includes gain adjust; LED clipping indicator; 2 power switches. 16.6 x 8.6 in

$399

KENWOOD

SS-97 Surround Sound Processor
Surround sound processor with Dolby, theater, and stadium (with variable delay) modes. Features 10-100,000 Hz input: audio injection: remote control. 16.6 x 3.4 x 10.8 in. 9.9 lb

$359

SS-77 Surround Sound Processor
Surround sound processor with Dolby, theater, and stadium (with variable delay) modes. Features 10-100,000 Hz input: audio injection: remote control. 16.6 x 3.4 x 10.8 in. 9.9 lb

$359
**Features include parallel switching of 4 video and stereo audio inputs in any matrix combination; can route, monitor and split signals without having to plug and unplug cables; all inputs and outputs are isolated and buffered. Video section: 4 inputs, 75 ohm, 1 volt; 4 outputs, 75 ohm, 1 volt; nonlinearity less than 1%; video bandwidth 8 MHz ± 3 dB; video/audio gain error ± 1 dB. Audio section: 4 stereo inputs, 47 kilohms, 1 volt; 4 stereo outputs, 100 ohms, 1 volt; channel crossstalk < 50 dB; audio bandwidth 20-20,000 Hz ± 1 dB. 2.25 x 9.25 x 6.38 in... $499**

**KRAMER**

**VS-16B Switcher/Generator**

Professional production switcher and special-effects generator. VS-8G/3G composite inputs on three busses. RGB camera input for superimposing one picture into another via a blue key effect; a Downstream keying input for a character generator or genlock camera; a key input for use with a B/W camera; separate control for fade-to-black. Features include a built-in blackburst sync generator; A-B/C video bus structure; 8 wipe patterns; blue keying effect; colorizer for adding color to light or dark areas during use of downstream keying input; downstream key for keying in character generator or a DSK camera; separate preview bus to display inputs; color generator; downstream key; black output of B/W camera, special effects, and program out; separate ten-pin camera socket to input one for supplying power to a camera and genlock to other inputs to that camera through the two black outputs. Looping inputs with high-z/terminate switches allow inclusion of other video processing devices in the system. Signal-to-noise ratio better than 60 dB; crossstalk better than 56 dB at 3.58 MHz; frequency response better than 10 MHz. Rack-mountable. 19 in... $0.495

**KCP-180 Color Encoder**

RGB/NTSC color encoder converts computer or camera-generated color RGB signal; either TTL or analog to full R570 NTSC composite video. Accepts and reconstructs poor computer sync so that video can be recorded on VCR or displayed on standard monitor/receiver. Features a color bar generator; separate RGB level controls. Input has looping nine-pin TTL connectors and looping BNC analog connectors; accepts sync or genlock signals; accepts both positive and negative sync; converts either interlace or noninterlace video. Video nonlinearity less than 1%; hue control ± 120 blue/green; luminance signal-to-noise ratio 60 dB. 17.5 x 19.25 x 5 lb... $1.995

**VS-15F/11 Vertical Insertion Matrix Switcher**

12 x 2 matrix switcher with digital control illuminated touch switches for selection of 12 video/audio/sound inputs to 2 busses. Applications include broadcast, cable, studio. Features isolated buffered inputs/outputs; input video; switchable 75 ohm, 10K, stereo mic; outputs: 3 video processed, 75 ohm; 3 audio stereo; video definition control; color control; video gain. 0 ± 1 dB. 12.5 x 9.25 x 6 in... $0.495

**VS-11E1 Video Hi-Fi Processor**

High-resolution video enhancer with split-screen and color processor. Features video gain; fade control; contrast control; split-screen control; definition control; quad display; insersion video switcher; three separate video inputs and stereo-audio distribution amplifier; 10-pin camera input. Color control ± 10 dB at subcarrier frequency; luminance: S/N ratio 60 dB; audio bandwidth 20-20,000 Hz ± 3 dB... $899

**VS-4F Video/Stereo Audio Corrector**

Composite video corrector for home or studio use. Features automatic noise reducer; color expand control; stereo expansion; color compensator; black level control; black level gain; 2 stereo inputs; 3 stereo switcher; mic/lne mixer with audio fade; 3 video processed outputs; video definition control: video gain error ± 0.5 dB; video phase error < 0.3°; luminance S/N > 65 dB; audio S/N > 75 dB... $599

**VS-12F Video Sound Processor/Audio Corrector**

Corrects audio portion of a video signal. Features audio expander: 2-way audio mixer; audio amp: 100 watts; 1 stereo input; 1 stereo output; microphone; 1 audio stereo output; headphone; mic mixer; S/N > 75 dB... $599

**VS-14E1 Digital Video/Audio Switcher**

Digital switcher uses microchips for all switching. Features include parallel switching of 4 video and stereo audio inputs to 4 video and stereo audio outputs in any matrix combination; can route, monitor and split signals without having to plug and unplug cables; all inputs and outputs are isolated and buffered. Video section: 4 inputs, 75 ohm, 1 volt; 4 outputs, 75 ohm, 1 volt; nonlinearity less than 1%; video bandwidth 8 MHz ± 3 dB; video/audio gain error ± 1 dB. Audio section: 4 stereo inputs, 47 kilohms, 1 volt; 4 stereo outputs, 100 ohms, 1 volt; channel crossstalk < 50 dB; audio bandwidth 20-20,000 Hz ± 1 dB. 2.25 x 9.25 x 6.38 in... $599

**NEMON**

**PLD-910 Dolby Pro-Logic/Surround Decoder**

Features Dolby Pro-Logic surround sound and Dolby life-like surround sound. Features 6-channel surround sound; 4-channel rear loudspeaker; 3-channel subwoofer. 20 dB of headroom; 100 watts per channel; 2.25 x 9.25 x 6 in... $599

**VC-3.51 Digital Audio Environment Processor**

Features 6-channel surround sound; 4-channel rear loudspeaker; 3-channel subwoofer. 20 dB of headroom; 100 watts per channel; 2.25 x 9.25 x 6 in... $599

**AV-400 A/V Surround-Sound Amplifier**

Surround-sound amplifier with Dolby and home theater modes. Features same share with home theater: 100 watts per channel; 2.25 x 9.25 x 6 in... $599

**LEXICON**

**CP-1 Digital Audio Environment Processor**

Dolby Pro-Logic decoder operates entirely in the digital domain. Features automatic noise reduction; automatic gain control; independent adjustment of volume and balance; automatic surround-mode selection; and automatic surround-mode selection. Also allows switching between connected to the same time. 220 dB... $599

**MULTIVISION**

**1.1 DVC Digital Video Controller**

Four inputs; output; remote control; displays two sources on screen; monitors and loops audio video processors of video; scans four active A/V sources automatically; PIP positional, color saturation and hue adjustments for PIP image; PIP strobe; antiscratch samples all active video and audio sources in color memory, programmable between 1 and 10 seconds; audio and video processor loops: LED readout... $329

**2.1 PIP Processor**

Six-bit digital processing; 139-channel broadcast ready; digital video effects include picture-in-picture view of second broadcast channel (when used with a VCR's PIP); monitors external video sources, PIP freeze frame, PIP strobe, and swapping main and inset images. Size of inset picture variable from one-third to one-sixth or one-eighth of screen; variable position; all features controlled through remote... $599

**MV-1P Video Processor**

Video image processor with vertical and horizontal enhancement. Features dynamically controlled enhancement dependent on signal conditions. Provides level control for picture clarity; preset image enhancement control for raising. 3 selectable video inputs, monitor and output; output power, active, bypass, preset, source, selection, filter, and detail controls. Luma gain and linearity ± 4% max; chroma phase and gain error ± 4% max. 10 x 8 x 5 in... $5249

**NUMARK**

**VAM-2000 Video Processor**

Video processor with digital time-base correction. Features stereo audio processing video enhancement; 4 video inputs/outputs; 4 audio inputs/outputs; 9 x 19 x 6 in... $4,995

**ORA**

**TU2 Wireless Remote TV Tuner**

Enables remote-controlled TV's to become fully operational through a receiver connected to a video/audio output. Features automatic tuning; automatic on/off; automatic volume adjustment; automatic mute; automatic channel selection; automatic channel tuning; automatic program selection; automatic program tuning; automatic remote control; automatic remote control... $599
remote controlled and cable ready. Features 139-channel cable-compatible tuner; outputs for audio/video signals for TV video monitors and videocassette recorders; volume control; remote control; $199.95.

SDX1 Stereo Decoder
Stereo TV adapter with mixer and channel 3 RF inputs. Features one switch for selection of stereo or mono and SAP; separate ch. 3. MPX selector switch; 100dB linear gain. Audio fidelity: 30-20,000 Hz ± 0.5 dB; subwoofer -3 dB at 20 Hz. Dimensions: 2.94 x 16.94 x 9.88 in; 8.6 lb. $230.

HQS2000 Enhancer/Stabilizer
Similar to the HQI-1000, but includes a copyright stabilizer for preventing picture jitter. $399.

11Q1000 Audio/Video Enhancer
Upgrades older VCR's to the "High Quality" (HQ) improvements made in newer units when doing tape-to-tape copying. Also enhances video and stereo audio signals. $60.

PIONEER
SPX-707 Surround-Sound Processor

EGX-707 Audio/Video Processor
With video enhancer for detail sharpening, noise reduction, white clip, contrast for color balance, hue, and depth, A/V fader, seven-band graphic equalizer, display: 3 x 14.19 x 13.13 in; 10 lb, 0 oz. $225.

PROTON
601T Stereo Video Tuner
Stereo video tuner with 3 audio inputs, 4 audio outputs, 3 video inputs, 4 video outputs (1 variable), and digital PIP tuning. Receives 139 channels. Features simultaneous view and record for all sources; electronic-controlled front-loading door; remote control; last-channel recall. Dimensions: 15.03 in 11.10 lb. $379.

RABBIT
Double-Play Digital Video Processor
Features picture-in-picture. 1 video input/1 video output. 3 x 12 x 8 in. $230.

RECOTON
V612A Master Control Center
Connects up to six video components to master device. Operates any of three output functions simultaneously. Features 10-bit signal amp; 75 db/96 dB conversion and insertion loss <3 dB; LED mode indicators; master key. Dimensions: 3.5 x 7.5 x 5 in. 4 RS230.

V615A Stereo Color Processor
Stereo color processor/enhancer/distribution amplifier; includes 6 audio inputs and 4 video inputs. Features detail enhancement, tint control, color gain control, video frame rate, mains synchronization, 30 dB per channel, 95 dB per channel. $445.

V611 Stereo Sound Simulator
Installs between TV or VCR and stereo system; changes mono output to simulated stereo. Right and left volume separately adjustable; adjustable noise reduction; shielded solid-state crossover. With cables $350.

V611A VCR-TV Stereo Simulator
Miniature stereo simulator built into connecting cord: connects between mono VCR or TV and the output end and two RCA jacks at output end. $12.

V511 Replacement external probe $8.99.

SANSUI
AV-99 Audio/Video Signal Processor
Features fade control; contrast control; direct connection between VCR and television receiver or monitor; connection between two VCR's: switcher selection between three sources; operation during recording and playback; joystick-operated color control; generator: video enhancer/stabilizer; color bar generator; color background generator; solarization; tape counter; monitor; selector; 4.06 x 16.94 x 11.23 in; 9 lb. $790.

NX-99 Color Video Processor
Post-production processor enables user to make soft/hard edge wipes: image positioning, fade to color/picture; positive/negative control switching; digital art; 2 video outputs: audio fade and mix: 8 background colors; external processor terminal for editor, character generator, or other components. $600.

DS-77 Surround-Sound Processor
Decodes Dolby stereo video tapes to provide surround-sound effects. theater: QS Surround and Hall; Built-in 10-W/ch amp to drive rear or front speakers; sub-bass synthesizer and peak attenuator; outputs for 3 sets of speakers; stereo synthesizer for mono materials: 2.94 x 16.94 x 9.88 in; 8.6 lb. $400.

SHURE
Theater Reference System
Includes 1 HTS 5000 Acra Vector Logic Decoder: 1 HTS5050PA 100-watt-per-channel signal processing stereo amplifiers; 1 HTS6050C center front speaker: 1 HTS5050L speakers: 1 HTS5050W Subwoofer. $9,600.

HTS 5000 Acra Vector Logic Decoder
Dolby Surround audio processor with Acra-Vector Logic decoder and variable true digital time delay. Features Acoustic Space Generator; output: 4 L/R stereo sound encoded in videodiscs. $1,250

HTS 5000A Optional Remote Extender. For HTS 5300. $99.

HTS 520 Generation 2 Processor
Dolby Surround audio processor with Acra-Vector Logic Decoder and variable digital time delay. Features Acoustic Space Generator; output: 4 L/R stereo sound encoded in videodiscs. $1,250.

VX-99 Color Video Processor
Post-production processor enables user to make soft/hard edge wipes: image positioning, fade to color/picture; positive/negative control switching; digital art; 2 video outputs: audio fade and mix: 8 background colors; external processor terminal for editor, character generator, or other components. $600.

HSU 8100A Optional Remote Extender. For HTS 5300. $99.

HTS 520 Generation 3 Processor
Dolby Surround audio processor with Acra-Vector Logic Decoder and variable digital time delay. Features Acoustic Space Generator; output: 4 L/R stereo sound encoded in videodiscs. $1,250.

VX-99 Color Video Processor
Post-production processor enables user to make soft/hard edge wipes: image positioning, fade to color/picture; positive/negative control switching; digital art; 2 video outputs: audio fade and mix: 8 background colors; external processor terminal for editor, character generator, or other components. $600.
SONY

PCM-601ESD Digital Processor
Digital audio processor converts analog sound to digital signal configured as NTSC video signal for recording on VCR, receives such a signal from VCR and converts signal back to analog audio signal. Features digital input/output interface; direct decoding of digital output from compact disc players; digital audio data transfer; switchable 14- or 16-bit quantization; digital copy-out; automatic muting; independent left and right record-level settings; monitors VCR's output signal for errors caused by head wear or transport instability (so VCR can be adjusted). .......................................................... $1,400

SDP-777ESD Digital Surround Processor
Combines digital delay circuitry with Dolby HX Pro Logic decoding. Features 16-bit quantization digital processing, switch-selectable speaker configuration: built-in pink noise generator; matrix delay mode; hall delay mode; stereo simulator delay mode; built-in video switching capability; audio outputs; Remote Commander .......................................................... $850

SV-C700 Color Corrector
Features white balance correction; hue/color adjustment; phase correct for false outline compensation; color-gamma compensation; negative/positive reversing; 8 back colors; 15 wipe patterns; A/V fader; audio mixing .......................................................... $700

SX-T600 Picture Computer
Features superimposition capabilities; adds image scanner output to TV screen or prerecorded video; partial or total coloring for superimposed title or illustration (15 colors); line/solid/airbrush drawing; curved line drawing with optional GH 6 track ball; saving/filling/verifying/undoing of superimposed picture capability. .......................................................... $600

SX-T500 Digital Video Superimposer
For superimposing titles with digital memory circuitry using continuous video camera. Features 8 colors: normal/border/shadow, title effects, title/background reverse; fade in/out; microphone mixing .......................................................... $550

SURROUND SOUND

4000 Full Logic Stereo Surround System
Surround-sound decoder with built-in 45-watt-per-channel amplifier. Features digitally controlled adjustable time delay; automatic Dolby B noise reduction; function-limited wireless remote control. Modes for: Dolby Surround, music surround, mono enhance, bypass. Total harmonic distortion 0.03%; front-channel frequency response +0.5 dB 18-50,000 Hz; surround-channel frequency response +0.5 dB of Dolby specification; front-to-back separation 65 dB; decoding detector range -80 dB; 4 stereo line level inputs; 4 video inputs; 6 outputs including center, surround and subwoofer; 2 speaker level outputs; 2 video outputs. 3.25 x 17 x 13 in; 12.8 lb .......................................................... $700

3601 Amplified Stereo Surround System
Surround-sound decoder with 45 watt amplifier built-in. Six-channel system features center channel and subwoofer outputs; 4-way input-switching and dub outputs; delay-adjustable mono enhancement mode for synthetic stereo from any monaural input. 2.38 x 16.75 x 13.5 in; 14 lb. .......................................................... $380

1000 Surround Sound System
Surround-sound decoder with built-in 20-watt-per-channel amplifier. Features continuously variable time delay; automatic Dolby B noise reduction; delay-adjustable mono enhancement mode for synthetic stereo from any monoaural input. 2.75 x 17 x 8.5 in. .......................................................... $250

Cinema 500 System. 1000 Surround-sound decoder with with two SSI Speaker 500 speakers. .......................................................... $300

TEAC

AV-5501 Audio/Vide0 Controller
Features Dolby Surround, hall surround, and matrix surround with video enhancer and audio inser. Includes fade control, five inputs, connects between two VCR's: reduces noise, can operate during recording and playback. 12-W/ch from 100-6,000 Hz with no more than 1% total harmonic distortion; audio frequency range 20,000 kHz ± 3 dB, luminance signal-to-noise ratio 62 dB; video frequency range 6-10 MHz ± 3 dB; 17.1 x 2.75 x 11.6 in. .......................................................... $459

AV-200 Video Processor
Features 8 inputs (6 with record out). 2 for playback); adjustable video gain on all inputs; wireless remote control; motorized volume control; FR 10-20,000 kHz ± 3 dB; S/N 70 dB; 14.8 x 8.85 in. .......................................................... $999

AV-3 Video Processor
Features single-frame digital memory; variable-strobe effect; video sharpness control; video-image soft switch; color-level indicator; FR 6-4 MHz ± 3 dB; S/N 60 dB at 1,000 Hz; 6.6 x 1.8 x 9.9 in. .......................................................... $249

VIDEOCONICS

SH-AV44 A/V Surround Processor
A/V surround processor with Dolby Surround and selectable modes. 6 position A/V selector with RGB (video background) capability: built-in amp for surround sound speakers; bass boost; master volume control; delay time control; calibration controls with LED indicators; effect/delay time control for surround effect; LED input source indicators. Audio section: 25 watts/ch RMS; FR 40-20,000 Hz both channels driven with 0.3% THD; 16.94 x 3.8 x 10 in; 10 lb. .......................................................... $295

SH-AV40 Surround Processor
Dolby A/V surround system with inputs for 3 video components. Features 3 selectable modes, theater, hall, and stereoscopic surround sound: built-in 20 watt-per-channel amplifier, fluorescent display: master volume control; Dolby calibration controls. surround-sound input switch .......................................................... $280

YAMAHA

DSP-1 Digital Sound Field Processor
Features 16 preset acoustic surround modes including 6 channel digital Dolby surround; 16 additional preset effect modes; 16 user-programmable memory modes; 16 character LED; wireless infrared remote control; 5 variable perimeter adjustments; digital sound field generator .......................................................... $999

DSR-100 Pro Dolby Pro Logic Decoder
Dolby Surround Sound decoder with Pro Logic circuitry. Features DSP interface to connect to Yamaha digital sound field processor DSP-1 or DSP-3000. Wireless remote control also operates DSP-1 or DSP-3000 when interfaced. Motor-driven master volume control: individual channel and rear volume controls; tape monitor; pink noise generator alternates between channels for channel balancing. Frequency response 10-50,000 Hz +0.3 -3 dB; total harmonic distortion 0.03% @ 1 kHz. Surround decoder signal-to-noise ratio 90 dB; 20.9 x 13.7 x 12.25 in; 9.88 lb. .......................................................... $599

SR-50B Surround Sound Processing Amp
Surround processor-amplifier with 3 surround modes. Features Dolby surround/bass extension speaker. A/B switch: 2 x 25 W into 8 ohms; FR 20-20,000 Hz; THD <0.1%; continuously variable delay time control .......................................................... $349

PRICES LISTED
are manufacturers' suggested retail prices (also referred to as list prices)
actual selling prices are set by individual dealers.
All prices are subject to change without notice.
VIDEO SPEAKERS

ACOUSTIC RESEARCH

Powered Partner Speaker
Acoustic-suspension two-way bookshelf speaker with shielded drivers for use near video screens without causing picture distortion. Features built-in equalized amp; on/off switch, volume and tone controls. AC/DC inputs, 4" long-throw woofer; 1" liquid-cooled tweeter. Can be placed on top or near TV, hung on a pole, mounted on wall, or clipped to a shelf with optional clamps. Frequency response 50-25,000 Hz ± 3 dB; impedance 10 kilohms. Black aluminum finish. Triangular shape. $450/pr

AV-8 Speaker
Fully self-contained powered 2-way loudspeaker system with shielded drivers for video system compatibility. Features 4" long-throw woofer and liquid-cooled 2" tweeter; ABS plastic case; scratch resistant paint. Triangular wedge shape. 6 x 10.5 x 7.63 in. $230/pr

AM-5 Acoustimass Speaker System
Three-piece speaker system with Acoustimass bass module and Direct/Reflecting cube satellites. Each magnetically shielded satellite has two separate cubical enclosures which can be attached or separated, rotating for direct or reflected sound. Bass module has two 6 1/2" woofers in a double-ported enclosure. Features positive-temperature-coefficient protection circuit; high-positive-current-coefficient resistor to compress overloading input signals. Maximum power handling 165 watts. Satellite dimensions: 3 3/8" on each side with grille extending 1"; bass module dimensions: 20 x 12 x 8 in. $699/system

SE-5 Acoustimass Stereo Everywhere System
Compact modular speaker system with Acoustimass bass module and Stereo Targeting arrays. Each array includes two 2 1/2" magnetically shielded wide-range drivers in a black enclosure. The bass module has two 6" low frequency drivers that fire into two internal chambers. Features positive temperature coefficient protection circuit; high positive current coefficient resistor to compress overloading input signals. Max power handling 100 W; stereo targeting array 8.25 x 4.88 x 3.56 in; bass module 7.56 x 12.63 x 20.19 in. $699/system

Video RoomMate Speakers
Pair of powered speakers with single magnetically shielded driver with twin ports in each, and taut polyurethane surround. Features black grille; volume control; active equalization; circuits to minimize distortion and non-i.s sound. RCA cables, optional adaptors, optional mounting accessories (arms and wall brackets). 9 x 6 x 6 in.; 13 lb. 8 oz/pr. $279/pr

BOSE

PS-6V Shielded Bookshelf Speaker
Acoustic-suspension speaker with shielded magnets for use near video screens without causing picture distortion. Features 6" long-throw woofer, 3/4" soft-dome tweeter; mirror-image driver placement; acoustically treated baffle with minimal surface area. Frequency response 50-25,000 Hz; power range 10-100 W; sensitivity 88 dB SPL/W/m; imp 8 ohms. 8.13 x 12 x 11.5 in. 12 lb each. $280/pr

FISHER

STV-4400L 3-Way Video Speaker
3-way bass-reflex magnetically shielded speaker. Features 15" woofer, 3" ferrite-cooled midrange, 3" ferrite-cooled tweeter; automatic-reset circuit breaker; 150 W max power handling; sens 93 dB. $300/pr

STV-4301L 3-Way Video Speaker
3-way bass-reflex magnetically shielded speaker. Features 15" woofer, 4" ferrite-cooled midrange, 3" ferrite-cooled tweeter; automatic-reset circuit breaker; 100 W max power handling. $200/pr

STV-420LM 3-Way Video Speaker
3-way bass-reflex magnetically shielded speaker. Features 12" woofer, 4" ferrite-cooled midrange, 3" ferrite-cooled tweeter; automatic-reset circuit breaker. 100 W max power handling. $160/pr

STV-410LM 3-Way Video Speaker
3-way bass-reflex magnetically shielded speaker. Features 10" woofer, 4" ferrite-cooled midrange, 3" ferrite-cooled tweeter; automatic-reset circuit breaker; 90 dB; 26 high. $100/pr

STV-8626 3-Way Video Speaker
3-way bass-reflex magnetically shielded speaker. Features 15" woofer, 5" ferrite-cooled midrange; 5" dome tweeter; automatic-reset circuit breaker. 60 W max power handling; sens 90 dB; 26 high. $250/pr

STV-8228 2-Way Video Speaker
2-way bass-reflex magnetically shielded speaker. Features 8" woofer, 3" woofer, 50 W max power handling; sens 89 dB; 18 high. $80/pr

KENWOOD

LSK-05S Speaker
4 x 6-inch elliptical dual-cone air-suspension speaker for rear-surround applications. Features bookshelf-style wedge-type cabinet; 30 W max power handling; sens 90 dB; 40-20,000 Hz; imp 8 ohms. 7.7 x 10.4 x 5.7 in. $69/pr

LSK-01S Speaker
4" full-range cone bookshelf speaker. Features wedge-type cabinet; 20 W max power handling; sens 91 dB; FR 100-20,000 Hz. 5.5 x 7.5 x 4.4 in. $49/pr

KOSS

M/100 Plus Magnetically Shielded Speaker
Bass-reflex speaker with built-in 20-W/CH amplifier. Two 4 1/2" cone woofers; 1" dome tweeter. Frequency response 50-30,000 Hz ± 3 dB; power range 4-20 watts; sens 88 dB SPL/W/m. 4 imp 6 x 6 in.; 15 lb. $220/pr

M/80 Plus Magnetically Shielded Speaker
Bass-reflex speaker. Two 4 1/2" cone woofers; 1" dome tweeter. Frequency response 50-30,000 Hz; ± 3 dB; power range 10-20 watts.; sens 88 dB SPL/W/m. 4 imp 6 x 6 in.; 15 lb. $220/pr

M/60 Plus Magnetically Shielded Speaker
Bass-reflex speaker. 2 1/2" dome tweeter. Frequency response 50-30,000 Hz; ± 3 dB; power range 10-15 watts; sens 84 dB; imp 6 to 8 ohms. 8.25 x 4.75 x 5.5 in. $135/pr

MITSUBISHI

M/100 3-Way Speaker
Floor-standing, magnetically-shielded 3-way speaker. Features 12" high-polymer laminate woofer; 5" dome tweeter. Frequency response 40-20,000 Hz; ± 3 dB; minimum power 15 watts; maximum power 130 watts; sens 92 dB; 1\watt input measured at 1 meter; imp 8 ohms; finished in walnut oak. 14 x 27 x 10.75 in. $499/pr

NEC

RS-1000 Magnetically Shielded Speaker
Floor-standing 4-way video speaker with 10" dual woofers. Features 130 W max power handling; built-in circuit breaker; magnetic-shielding. 200 W max power handling; FR 28-20,000 Hz; sens 90 dB; imp 4 ohms; oak veneer finish. $840/pr

RS-500 Magnetically Shielded Speaker
Floor placement acoustic-suspension video speaker. All drivers are magnetically shielded. Features 12" cone woofer, 5" polypropylene-acetate cone midranges, and soft-dome tweeter. Frequency response 40-20,000 Hz ± 3 dB; minimum power 15 watts; maximum power 130 watts; sens 92 dB with 1-watt input measured at 1 meter; imp 8 ohms; finished in teflon oak. 14 x 27 x 10.75 in. $499/pr

AVS-300 Magnetically Shielded Speaker
Bookshelf acoustic-suspension video speaker with 5 1/2" cone woofer and 1" polymer dome tweeter. Frequency response 80-20,000 Hz; ± 3 dB; minimum power 5 watts; maximum power 60 watts; sens 89 dB SPL/W/m; impedance 8 ohms. 6.5 x 9.75 x 5.63 in; 6.12 lb ea; oak or ebony vinyl finish. $199/pr

SW-3001B Powered Subwoofer
Magnetically-shielded bass-reflex subwoofer with built-in 60-W amp. Features turnover and level controls; low-pass filter. 20.7 x 17.9 x 15.34 in $299

PIONEER

CS-1910 3-Way Shielded Speakers
Magnetically shielded for use near video screens; 12"
## Video Speakers

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Frequency Response</th>
<th>Power Handling</th>
<th>Impedance</th>
<th>Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROTON SPK500</td>
<td>3-Way Video Speaker</td>
<td>3-way floor-standing bass-reflex speaker with Zero Magnetic Distortion</td>
<td>20-20,000 Hz ±3 dB; max input power 80 W rms; imp 8 ohms</td>
<td>6.3 x 23 x 7.5 in</td>
<td>12 lb ea; black finish</td>
</tr>
<tr>
<td>RCA SPK400</td>
<td>3-Way Video Speaker</td>
<td>3-way floor-standing acoustic suspension speaker with Zero Magnetic Distortion</td>
<td>20-20,000 Hz ±3 dB; max input power 120 watts; imp 8 ohms</td>
<td>12.75 x 36 x 12.5 in</td>
<td>$499/pr</td>
</tr>
<tr>
<td>SONY SRS-150</td>
<td>Powered Video Speaker</td>
<td>Powered, bass-reflex, magnetically shielded speaker with wood cabinet</td>
<td>Frequency 41.2 Hz - 120 W; max input power 80 W rms; imp 8 ohms</td>
<td>15 x 7.4 x 7.4 in</td>
<td>$299/pr</td>
</tr>
<tr>
<td>SONY SRS-805</td>
<td>Powered Subwoofer</td>
<td>Powered subwoofer designed for use near video screens</td>
<td>Frequency response 30-48,000 Hz ±3 dB; min power 20 watts; max power 160 watts; impedance 8 ohms; sensitivity 88 dB SPL/m; maximum power 150 watts</td>
<td>3.5 x 12 x 12 in; black</td>
<td>$490/pr</td>
</tr>
</tbody>
</table>

## TECHNICS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Frequency Response</th>
<th>Power Handling</th>
<th>Impedance</th>
<th>Sensitivity</th>
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<tbody>
<tr>
<td>SB-RX50</td>
<td>Video Speaker</td>
<td>Bookshelf speaker with magnetic shielding. Features 4&quot; polypropylene cone woofer; 1&quot; dome tweeter</td>
<td>Frequency response 45-20,000 Hz ±3 dB; min power 20 watts; max power 120 watts; impedance 8 ohms; sensitivity 88.5 dB SPL/m; maximum power 150 watts</td>
<td>12.4 x 12.4 x 5.5 in</td>
<td>10 lb</td>
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</table>

## HASP

<table>
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<tr>
<th>Model</th>
<th>Description</th>
<th>Frequency Response</th>
<th>Power Handling</th>
<th>Impedance</th>
<th>Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>HASP 10</td>
<td>Magnetically Shielded Speaker</td>
<td>Bookshelf acoustic suspension speaker with magnetic shielding</td>
<td>Frequency response 30-33,000 Hz ±3 dB; min power 20 watts; max power 120 watts; sensitivity 88 dB SPL/m; maximum power 150 watts</td>
<td>12.4 x 12.4 x 5.5 in</td>
<td>10 lb</td>
</tr>
</tbody>
</table>

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**Notes:**
- All speakers are designed for use near video screens.
- Specifications and prices vary depending on model and features.
- Always consult the manufacturer's manual for detailed setup instructions and warranty information.
AUDI0/VIDEO SYSTEMS

FISHER
AVS-6836 A/V System
A/V system consisting of Fisher 8836DV audio system and additional video components. Features separate audio and video power supplies. $1,999
RS-913B Stereo Receiver. Features 100 W/ch, 5-band graphic eq, quartz/tune/tlim/timer with 18 FM/AM station presets and auto scan tuning.
CR-W913B Cassette Deck. Features dual-cassette mechanisms; sequential play; Dolby noise reduction; high-speed dubbing.
MT-913B Turntable. Features semi-automatic operation and front-panel cueing.
AD-913B CD Player. Features 16-track programming, forward/reverse scan, repeat, 3-beam laser pickup; digital filtering.
STV-66B Speakers. A pair of 3-way, magnetically shielded speakers with 12" woofers.
PC-367WS Stereo Monitor/Receiver. Features 26" screen; S-VHS input; MTS/SAP decoder; 181-channel cable-compatible tuner; on-screen display.
RAV-877 Unified Remote Control. Features controls for all components and capability to control optional Fisher VCR and surround-sound processors.
RA-66B Cabinet. Unified audio cabinet with space for Fisher VCR's.
ASR-875 Surround-Sound Processor. (Optional) Features Dolby and synthesized surround effects and a pair of WS460 surround speakers.
FVH-6600 VHS Hi-Fi VCR. (Optional) VHS Hi-Fi VCR with on-screen programming. Features 6-event/1-year timer; 4 video heads; 122-channel cable-compatible tuner; on-screen display.
RAV-877 Unified Remote Control. Features controls for all components and capability to control optional Fisher VCR and surround-sound processors.
41S-6845 A/V System
Audio/video system consisting of Fisher 8846DV audio system and additional video components. Separate audio/video power supplies. $1,999
RS-914B Stereo Receiver. Features 120 W/ch, 5-band graphic eq; panel logic display; 18 FM/6 AM station presets; auto scan tuning.
CR-W914B Cassette Deck. Features dual cassette mechanisms; autoreverse on deck A; Dolby noise reduction; high-speed dubbing.
DAC-914B CD Changer. CD changer with 5-disc capacity. Features 32-track programming; random play; 3 repeat modes.
MT-914B Turntable. Features semi-automatic operation; front-panel cueing, removable P-mount cartridge.
STV-667B Speakers. A pair of 3-way, magnetically shielded speakers with 12" woofers.
PC-367WS Stereo Monitor/Receiver. Features 26" screen; S-VHS input; MTS/SAP decoder; 181-channel cable-compatible tuner; on-screen display.
RAV-877 Unified Remote Control. Features controls for all components and capability to control optional Fisher VCR and surround sound processors.
RA-66B Cabinet. Unified audio cabinet with space for Fisher VCR's.
FVH-6600 VHS Hi-Fi VCR. (Optional) VHS Hi-Fi VCR with on-screen programming. Features 6-event/1-year timer; 4 video heads; 122-channel cable-compatible tuner.

KENWOOD
Spectrum 9060AV System
Full function remote-controlled A/V system. Features JL-9060AV speakers with Dual Tuned Port (DTP) bass energizer configuration; KT-2026 26-TV monitor/receiver with 360 lines of horizontal resolution; KM-106 power amplifier and KC-206 control amplifier which provide 125 watts of power and a 3-band graphic equalizer; KT-76 AM/FM digital tuner; KN-906V double autoreverse cassette deck capable of recording and playing back two tapes in sequence; DP-760 CD player with digital signal processing and digital analog filtering; KD-66 direct drive, linear-tracking turntable which has a light-weight platter, linear-tracking turntable which has a light-weight platter.

NEC
ES-4160 Audio/Video System
A/V system with projection television. Features PI-4160 projection television; DX-5000 4-head digital VCR; A-9100 W/ch integrated amplifier; AV-260 surround-sound amplifier with digital delay; T-710 AM/FM tuner; K-710 dual-well cassette deck; CD-720 CD player with quadruple-oversampling digital filter; CP-200 solid-oak veneer canopy; AR-200(2) solid-oak veneer audio cabinets; two RS-1000 magnetically shielded speakers with dual 10" woofers; two AV-830 5½-way rear-channel speakers $8,749

ES-2610 Audio/Video System
A/V system with CT-2610 26" stereo monitor/receiver. N-966 4-head hi-fi VCR; AV-360 surround-sound amplifier with digital delay; T-710 AM/FM tuner; K-710 dual-well cassette deck; CD-520 CD player with double-oversampling digital filter; VR-200 solid-oak veneer video cabinet; AR-200 solid-oak veneer audio cabinet; two RS-1000 magnetically shielded speakers with dual 10" woofers $5,204

ES-2600 Audio/Video System
A/V system with CT-2610 26" stereo monitor/receiver. N-966 4-head hi-fi VCR; A-1000 130-W/ch surround sound amplifier; T-610 AM/FM tuner; K-710 dual-well cassette deck; CD-420 CD player with double-oversampling digital filter; VR-500 A/V cabinet (oak or black); RS-500 3-way speakers $4,324

Marantz VV-212CD Audio/Video System
System features furniture-styled console with wooden doors; 12" 4-way speakers; digital tuner with 16 presets; 3-band equalizer, wireless remote control; belt-drive turntable; dual cassette deck with Dolby B and high-speed dubbing; programmable CD; VHS Hi-Fi with HQ, 110-channel cable-ready tuner, MTS/SAP, and 4-event/21-day timer; 26" monitor with 142-channel cable-ready tuner. $3,100

AVH-1100CD Audio/Video System
26" monitor with MTS/SAP and 122-channel cable compatibility. 100-W/ch amplification; 5-band graphic eq; digital tuning with 16 presets; 16-track programmable CD player; double cassette deck with Dolby B belt-drive semiautomatic tunable; 10" 3-way tower speakers; oak vinyl finish with glass door. $2,300

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Audio/Video Systems

Proton

AV-27 Audio/Video System
Features 27" VT-220 stereo monitor/receiver with flat-square tube screen and matching Proton AT-300 speaker system. Dimensions: 14.6 x 4.75 x 13.75 in. Power output 80 W rms, 9.5 dB signal-to-noise ratio, 4.75 kHzbandwidth.

RCA

Dimensia Audio/Video System
The Dimensia line is a microcomputer-controlled audio/video system with an integrated wireless remote control that allows system components to interact. A variety of systems is available. The Dimensia system can consist of a variety of components, allowing users to design their own system as well as expand or update when desired. The choice of components includes the VTR-6401HF 5-1/15 Hi-Fi VCR, HTR-6010 Stereophonic Receiver, all-Dimensia monitor/receivers (see monitor/receiver section), all-Dimensia projection set (see projection-T.V. section), and the following audio components:

MSE-790. Dimensia A/V control center with unified remote control and on-screen status indications when used with Dimensia monitor. Features 5-band graphic equalizer; automatic input selection; remote control; menu for access and station scan; and power. SystemLink switch: simultaneous recording and playback; auto status indication; auto switching: electronic volume control; output protection; preset turn-on volume; fluorescent display; muting; quartz-rf channel selector; digital tuning; advanced phase locking; full-screen display; muting; bass, treble, balance controls; external speaker jacks; three A/V inputs and digital outputs; audio input line jacks; headphone jack; AN-956P. Speakers feature flat, 210 cm2 woofers; 30° cone tweeter; magnetically interference-prevention filter.

Technics

SC-AV3000 Audio/Video System
Audio/video system with Dolby surround sound. Features 27" stereo monitor/receiver with S-VHS VCR, velocity-modulated scan, on-screen display, broadcast stereo reception capabilities. VHS Hi-Fi VCR with bar code programming. Input/output connectors: 15-channel digital quartz tuner, VHS index search system; real-time counter: 110 watt-per-channel integrated amplifier with 0.03% total harmonic distortion; 1 pair of rear speakers: dual/double cassette deck: programmable CD player; quartz-synthesized AM/FM tuner with 24-channel random access preset memory; semi-automatic bell-drive turntable; with cartridge; universal remote control; graphic equalizer. $3,499.

Sharp

System 96 Audio/Video System
Audio/video system with 26" monitor, video tuners, and 5.2/5.2 speakers. $2,995.
**VIDEO TAPE**

**AVANTI**

Super High-Grade VHS Videotape
- T-120: 2-4-6 hours .......................... $3.99

**BASF**

Super-HiFi VHS Videocassettes
- Specifically designed for new format; adds additional color, resolution and clarity on standard VHS machines.

**STC-20.** S-VHS-C tape; 20 or 60 minutes 
- Brighter pictures and clean-running tape. Super high-grade chrome videotape with high S/N for super HG Chrome VHS Videocassettes.

T-120: 2, 4, or 6 hours

T-160: 2.67, 5.33, or 8 hours

Super HG Hi-Fi VHS Videocassettes
- Specifically designed for new format; adds additional color, resolution and clarity on standard VHS machines.

ST -120: 2, 4, or 6 hours

**SUPER-HG VHS Videotape**

- Long-playing Super HG tape with thinner sensitized polyester-basefilm. Designed to provide sharp pictures with minimum dropouts when used with high-end professional cameras. Tape base is back treated and undercoated for smoother running and maximum durability. Anti-static VE leader tape for fewer dropouts. Polypropylene storage case. Video S/N +4.0 dB; audio FR 20-20,000 Hz +1.0 dB; audio sensitivity +2.0 dB; video RF sensitivity +2.0 dB; video RF output +2.0 dB; chroma output +2.0 dB. T-160: VHS format 2.66-8 hrs.

**VHS High-Grade Videotape**

- Pure chrome videotape with long-term stability. T-160: 2.67, 5.33, or 8 hours ...................................... $5.99

**Extra Quality VHS Videocassettes**

- Pure chrome videotape with long-term stability. T-120: 2, 4, or 6 hours ........................................ $4.99

**8mm Videocassettes**

- P-120 ............................................ $9.99

**CERTRON**

VHS High-Grade Videotape
- T-160 ............................................ $9.99

**Beta High-Grade Videotape**

- Mark F Videotape: Custom formulation; high S/N; low dropout rate. T-120 ............................................ $2.99 to $3.99

**Super-HiFi VHS Videocassettes**

- Super-HiFi VHS Videocassettes

**Fuji**

Super XG-VHS/Beta Video Tape
- Fine-grain BERIDOX: high-impact ABS housing. Fine-grain BERIDOX; high-impact ABS housing. L-250: Beta format 0.5-1.5 hrs. L-500: Beta format 1-3 hrs. L-750: Beta format 1.5-4.5 hrs. L-125: Beta format 2.5-7.5 hrs. $15.99

**JVC**

S-VHS Videotape
- S-VHS Videotape
- T-120. For use in S-VHS and VHS VCR's; ultra-fine ferric-oxide magnetic particles in smoother magnetic layer; increased P4 audio output for Hi-Fi soundtracks. Horizontal resolution more than 400 lines in S-VHS decks. Time varies according to tape speed (SP, LP, or SLP). 2, 4, or 6 hours ............................................ $18

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**GE**

VHS Videotape
- VHS Videotape
- GE TC-20. VHS-C premium grade ............... $9.95

**JVC**

S-VHS Videotape
- S-VHS Videotape
- T-120. For use in S-VHS and VHS VCR's; ultra-fine ferric-oxide magnetic particles in smoother magnetic layer; increased P4 audio output for Hi-Fi soundtracks. Horizontal resolution more than 400 lines in S-VHS decks. Time varies according to tape speed (SP, LP, or SLP). 2, 4, or 6 hours ............................................ $18

**8-MM Video Tape**

- Fine-grain BERIDOX: high-impact ABS housing. P-6-15. 0.5-1 hr. P-6-30. 1-2 hrs. P-6-60. 2-4 hrs. P-6-90. 3-6 hrs. P-6-120. 4-8 hrs. $10.95

**Fuji**

Super HG Hi-Fi VHS Videocassettes
- Specifically designed for optimum performance with the new Beta/VHS Hi-Fi VCR's. Super-smooth tracking mechanism. Supplied in clear plastic storage case. Magnetic layer 27 microns thick for perpendicularly magnetized ferrite particles (0.18 microns long to record color signals, 0.01 micron thick for perpendicular magnetization) for video signals; $38R base film; RF output +3.5 dB at +4 MHz; video S/N +3.2 dB; color S/N +3.9 dB; chroma output +2 dB; audio sens +2 dB; audio FR +2 dB; audio ESR 70 dB. TC-215SHHG. As above, VHS-C .................. $13

**L-500. Beta format (1-2.3 hrs) .................. $11.69

**L-500. VHS format .................. $11.69

**VHS Format**

- VHS Format
- Fine-grain BERIDOX: high-impact ABS housing. P-6-120. 2-4 hrs. P-6-90. 1.5-3 hrs. P-6-60. 1-2 hrs. P-6-30. 0.5-1 hr. $9.95
**VIDEOTAPE**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHS AQ Videotape</td>
<td>$13.95</td>
</tr>
<tr>
<td>VHS Hi-Fi Videotape</td>
<td>$12.95</td>
</tr>
<tr>
<td>VHS HQ Videotape</td>
<td>$8.98</td>
</tr>
</tbody>
</table>

**KONICA**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Super Pro Videotape</td>
<td>$18.95</td>
</tr>
<tr>
<td>Super Hi-Fi Grade Videotape</td>
<td>$10.95</td>
</tr>
<tr>
<td>Super High-Grade Epitaxial VHS Videotape</td>
<td>$15.99</td>
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</table>

**MP6 Series 8mm Cassettes**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal-particle formulation, lifetime warranty</td>
<td>$16.95</td>
</tr>
<tr>
<td>Metal-6058 60 min</td>
<td>$13.95</td>
</tr>
<tr>
<td>Super 16C Videotape</td>
<td>$10.95</td>
</tr>
<tr>
<td>VHS-C TC-20, 20 or 60 minutes</td>
<td>$8.99</td>
</tr>
<tr>
<td>Beta L500, 1.5-3 hours</td>
<td>$11.95</td>
</tr>
<tr>
<td>Beta L500, 1.2-3 hours</td>
<td>$10.95</td>
</tr>
</tbody>
</table>

**SSR Videotape**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHS T-120, 2-4-6 hrs</td>
<td>$9.95</td>
</tr>
<tr>
<td>VHS T-60, 1.5-3 hours</td>
<td>$8.95</td>
</tr>
<tr>
<td>Beta L750, 1.5-3.4.5 hours</td>
<td>$9.95</td>
</tr>
<tr>
<td>Beta L500, 1.2-3.3 hours</td>
<td>$8.95</td>
</tr>
</tbody>
</table>

**LASER by SWIRE MAGNETICS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHS Video Tape</td>
<td>$4.99</td>
</tr>
<tr>
<td>T-120 High Grade, 2-4-6 hours</td>
<td>$3.99</td>
</tr>
<tr>
<td>T-22 Standard Grade, 2-4-6 hours</td>
<td>$2.99</td>
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</tbody>
</table>

**MAXELL**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Epitaxial VHS Videotape</td>
<td>$5.99</td>
</tr>
<tr>
<td>High-Grade Epitaxial VHS Videotape</td>
<td>$5.99</td>
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</tbody>
</table>

**PANASONIC**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premium Standard VHS Videotape</td>
<td>$12.50</td>
</tr>
<tr>
<td>General-purpose tape for wide range of uses. Time shifting shorter lengths for economical recording, up to 8 hours recording time.</td>
<td></td>
</tr>
<tr>
<td>NV-T160 SHG</td>
<td>$9.00</td>
</tr>
<tr>
<td>NV-T160 SHG</td>
<td>$7.00</td>
</tr>
<tr>
<td>NV-T130 SHG</td>
<td>$6.00</td>
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</tbody>
</table>

**POLAROID**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premium Gold VHS-SP Videotape</td>
<td>$6.99</td>
</tr>
<tr>
<td>Premium Gold VHS-SP Xtra High Grade</td>
<td>$6.99</td>
</tr>
<tr>
<td>Premium Gold VHS-SP T-120 Standard</td>
<td>$5.99</td>
</tr>
</tbody>
</table>

**QUASAR**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hi-Fi 8mm Videotape</td>
<td>$9.99</td>
</tr>
</tbody>
</table>

**RCA**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCA T-120 SHG</td>
<td>$5.99</td>
</tr>
</tbody>
</table>
ultral to deliver high output with low noise. Recommended for mastering hi-fi recordings. Video/S/N + 3 dB; color S/N + 5 dB; audio sensitivity +1.5 dB; play lengths 2, 4, or 6 hours. $7.49

VGC-120G Super High-Grade Videotape
High density particle formulation for improved color saturation and video resolution. Recommended for use in SLP mode or camera recordings. Video/S/N + 1 dB; color S/N + 5 dB; audio sensitivity + 1 dB; play lengths 2, 4, or 6 hours. $6.49

VGC-120R SGI Videotape
Recommended for off-air time-shift recordings. Features Anachron cobalt-encapsulated ferric-oxide particles; video signal-to-noise ratio 1.0 dB; color signal-to-noise ratio 2.0 dB; chroma output +6.3 dB; color output +4.5 dB. $4.99

RCA
S-VHS Videotape
ST-120. Super VHS videotape $19.95
STC-120. Super VHS C videotape $14.95

VHS Videotape
TC-20. VHS-C premium grade $9.95
T-120 SHG. Super-high grade; 2-4-6 hours $8.95
T-120. Premium grade; 2-4-6 hours $6.95

REALISTIC
VHS Videotape
44-411. T-120 Pro High Grade; 2-4-6 hours $9.99
44-412. T-30 Pro High Grade; 5-1-1.5 hours $7.99
44-410. T-120 High Grade; 2-4-6 hours $7.99
44-400. T-120; 2-4-6 hours $5.99

Beta Videotape
44-480. L-750 High Grade; 1.5-3.4-5 hours $7.99
44-474. L-750; 1.5-3.4-5 hours $5.99

VHS-C Videotape
44-430. TC-20 Super High Grade; 20 min/1 hour $6.99
44-431. TC-20 Master High Grade; 20 min/1 hour $7.99

SCOTCH
S-VHS Videotape
High dispersion ultra-fine magnetic particles. Newly developed twin backing coating, improved picture quality and color performance due to diminished friction noise.
T-120. $19.99
T-120C. $19.99

VHS Video Tape
Features Anachron cobalt-encapsulated ferric-oxide particles; video signal-to-noise ratio 2.0 dB; color signal-to-noise ratio 4.0 dB; audio sensitivity 2.0 VU; video output 2.0 dB; chroma output 1.0 dB.
T-120. 2-4-6 hours $6.99

EG Beta Video Tape
Features Anachron cobalt-encapsulated ferric-oxide particles; video signal-to-noise ratio 1.0 dB; color signal-to-noise ratio 1.5 dB; audio sensitivity 1.5 dB; video output 1.0 dB; chroma output 1.0 dB.
L-500. 1-2-3 hours $6.49
L-750. 1-5-3.4-5 hours $6.99

EG Plus High-Grade VHS Video Tape
Video signal-to-noise ratio 3.0 dB; color signal-to-noise ratio 5.4 dB; audio sensitivity 1.5 dB; video output 2.0 dB; chroma output 1.0 dB.
T-120 EG Plus. 2-4-6 hours $8.49
T-160 EG Plus. 2-6-3.8 hours $12.39

EG Plus High-Grade Beta Video Tape
Video signal-to-noise ratio +2.0 dB; color signal-to-noise ratio 5.0 dB; audio sensitivity 1.5 dB; video output 1.0 dB; chroma output 1.0 dB.
L-750 EG Plus. 1-3-5 hours . . . $11.99
L-750 EG Plus. 1-5-3.4-5 hours . . $8.49

EXG Video Tape
Features extra high-grade tape formulation; Static Barrier backcoating; time left recording gauge; linear scan inspection. Video signal-to-noise ratio +5.5 dB; color signal-to-noise ratio +5.1 dB; audio sensitivity +1.5 dB; RF output +4.0 dB; color output +6.3 dB; audio output uniformity 0.5 dB.
VHS T-120. 2-4-6 hours $9.99
VHS C-20. min/40 min/1 hour $9.99
Beta L-750. 1.5-3.4-5 hours $9.99

EXG Pro Video Tape
Features extra high-grade tape formulation; Static Barrier backcoating; proprietary anti-static treatment on cassette shell; anti-static leader tape; high-output cassette shell; virtual elimination of dropout caused by dirt and transient static peaks.
T-120. VHS-format; video signal-to-noise +5.5 dB; color signal-to-noise +5.1 dB; audio sensitivity +1.5 dB; RF output +4.5 dB; color output +6.0 dB; audio output uniformity 0.5 dB; frequency response 20-20,000 Hz. 2-4-6 hours $13.99
L-750. Beta-format; video signal-to-noise +2.5 dB; color signal-to-noise +3.0 dB; audio sensitivity +1.5 dB; RF output +4.5 dB; color output +6.3 dB; audio output uniformity 0.5 dB; frequency response 20-20,000 Hz. $13.99

EXG Hi-Fi Video Tape
Features extra high-grade tape formulation; high-quality audio reproduction with Hi-Fi video cassette recorders; Static Barrier backcoating. Frequency response 20-20,000 Hz; dynamic range 91 dB; audio sensitivity +1.5 dB; audio output uniformity 0.5 dB; total harmonic distortion 0.3%.
T-120. VHS-format; video signal-to-noise +5.5 dB; color signal-to-noise +5.1 dB; RF output +4.0 dB; color output 3.3 VU. $11.79
L-750. Beta-format; video signal-to-noise +2.5 dB; color signal-to-noise +5.0 dB; RF output +4.5 dB; color output +4.5 dB; audio output uniformity 0.5 dB; frequency response 20-20,000 Hz. $13.99

EXG VHS Camera Cassette
Features anti-static system including Static Barrier backcoating, anti-static tape leader and proprietary SM anti-static shell treatment. Video signal-to-noise ratio +5.5 dB; color signal-to-noise ratio +5.5 dB; audio sensitivity +0.5 dB; RF output +4.5 dB; color output +6.3 dB.
T-120. 2-4-6 hours $12.69

EXG Beta Camera Cassette
Features anti-static system including Static Barrier backcoating; anti-static tape leader and proprietary SM anti-static shell treatment. Video signal-to-noise ratio +5.5 dB; color signal-to-noise ratio +5.5 dB; audio sensitivity +0.5 dB; RF output +4.5 dB; color output +4.5 dB. $12.69

8-mm Videotape
8-mm videotape with metal-particle format.
MP P6-100. 2 hours $11.49
MP P6-90. 1.5 hours $9.89
MP P6-15. 15 minutes $5.89

SKC
VHS Videotape
T-120 Pro. 2, 4 or 6 hours $10.99
T-120 Hi-fi. Hi-fi. 2, 4, or 6 hours $8.99
T-120 SHG. Super high grade; 2, 4, or 6 hours $7.99
T-120 HIG. High grade; 2, 4, or 6 hours $5.99
T-120 SG. Standard grade; 2, 4, or 6 hours $4.99

Beta Videotape
L-750 Pro. 1-3. 5 hours $10.99
L-750 SH. Hi-fi. Hi-fi. 1b, 3b, 5 hours $8.99
L-750 SHG. Super high grade; 1h, 3h, 5 hours $5.99

VHS SHG. Super high grade; 1h, 3h, 5 hours $4.99

L-750 HG. High grade; 1h, 3h, 5 or hours $5.99
L-750 SG. Standard grade; 1h, 3h, 5 or hours $4.99

SONY
8mm Videotape
Ultrafine magnetic particles; low-friction back coating. Video S/N + 0.5 dB; color S/N + 0.5 dB. Time varies according to tape speed (SP or LP).
P-6-120. 120 min/4 hours $13.99
P-6-120MP. 2 or 4 hours $13.99
P-8-300MCP. 1 or 3 hours $11.99
P-8-90MP. 1 or 3 hours $11.99
P-6-60MCP. 1 or 2 hours $9.99
P-8-60MCP. 1 or 2 hours $9.99
P-30-300P. 30 minutes or 1 hour $7.99
P-30-301P. 30 minutes or 1 hour $7.99
P-6-15P. 15 or 30 minutes $6.99
P-6-15P. 15 or 30 minutes $6.99

Video Buyers Guide 1989
**SSANGYONG**

**T-120 High Standard Hi-Fi**
- 4 pack: $12.36
- 2 pack: $6.18
- Single: $3.09

**T-120 HG Hi-Fi**
- 4 pack: $13.56
- 2 pack: $6.78
- Single: $3.39

**T-120 Super HG Hi-Fi**
- Super high-grade hi-fi videocassette.
  - 4 pack: $14.36
  - 2 pack: $7.18
  - Single: $3.59

**Beta L-750 HG Hi-Fi**
- High-grade hi-fi videocassette.
  - 4 pack: $12.76
  - 2 pack: $6.38
  - Single: $3.19

**Beta L-500 HG Hi-Fi**
- High-grade hi-fi videocassette.
  - Single: $3.09

**TAYLOR**

**VHS Videocassette**
- Image Hi-Fi: T-20. 2-4-6 hours: $5.95
- Silvercrest H.G.: T-20. 2-4-6 hours: $4.95
- Casio's H.S.: T-20. 2-4-6 hours: $3.95
- Astra H.G.: T-20. 2-4-6 hours: $3.95

**Beta Videocassette**
- Image Hi-Fi: L-500. 1-2-3 hours: $3.95

**TDK**

**XP Super VHS Videocassettes**

**ST-120**
- For S-VHS format: $26

**STC-20**
- For S-VHS-C camcorders: $30

**HD-V Pro Videocassettes**
Seven-layers formulation using ultra-fine Super Arilyn. For live camera recording, editing, duplicating, archival use. Clamshell library case.
- VHS T-120. (2-4-6 hrs): $13
- Beta L-750: $13

**HD Videocassettes**
For critical recording on hi-fi videocassette recorders and for PCM digital audio recordings. Uses ultra-refined Super Arilyn particles. TDK's high-density, durability-bridge system, ultra-smooth/flat-base film and high-conductivity back coating. Precision-made SQ shell.
- VHS T-120: $10.50
- Beta L-750: $10.50

**E-HG Videocassettes**
Extra-high-grade Super Arilyn formulation for higher output than standard videocassettes. Designed for improved performance at all speeds, especially in superlong-play mode.
- VHS T-160 EHG: $11.50
- VHS T-120 EHG. 2-4-6 hrs: $8.50
- Beta L-750: $8.50

**Super Arilyn HS Videocassettes**
TDK's High Standard tape with HDH binder system. SQ shell mechanism and superlow film base.
- VHS T-160: $9.50
- VHS T-120: $7.00
- Beta L-750: $7.00
- VHS T-60: $5.75
- Beta L-500: $6.50
- VHS T-30: $6.00

**Super Arilyn Compact Videocassettes**
Extra-high-grade Super Arilyn 1/2 VHS Compact videocassettes designed for compact portable VCR's and camcorders. Suitable for all home VHS recorders when used with a special adapter. Features same improvements as standard-size equivalent.
- TC-20 HD-XP. 20 min: $8.50
- TC-30E HG. 20 min: $7.00

**MP 8mm Videocassettes**
Features high-density metal powder "Super Finish" for fine grain 8mm recording.
- P6-90MP: $10.00
- P6-120MP: $8.50
- P6-60MP: $5.50
- P6-30MP: $7.00

**3M**

**Black Watch Videocassettes**
Feature static barrier backcoating, tape housing and tape hub anti-static treatment; lubrication-free idler; high-impact ABS plastic videocassette housing; static isolation bars to prevent static build up during fast forward and rewind; anti-static leader.

**Black Watch Super VHS Videocassettes**
Features micro-fine ferromagnetic oxide formulation for high output and tape-surface smoothness.

---

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ALLSOP

**Allsop 3 VCR Cleaning Systems**
Nonabrasive cleaning ribbon and solution clean entire tape path (head, capstan, and pinch roller).

- 60200. Beta head cleaner ........................................ $29.95
- 60800. VHS head cleaner ........................................ $29.95
- 65000. For 8mm VCR’s and camcorders ....................... $19.95
- 60100. For VHS VCR’s ........................................ $19.95
- 60900. VHS-C head cleaner .................................... $19.95
- 60600. VHS head cleaner ........................................ $14.95

AMBICO

**V-0623 Wireless Microphone**
Wireless electret condenser hand-held microphone includes receiver. Features 200-ft range. 7.3 x 1.5 x 1 in; 0.36 lb.

$100

**V-0620 Zoom Videocamera Microphone**
Zoom FR-20-18,000 Hz. Mounts on videocamera accessory shoe; Unidirectional; cable and plug included.

$100

**V-0602 Wireless Infrared Transceiver**
Sends true stereo sound from any audio source up to 25 feet without wires. 7’ long; 110° transmission range.

$100

**V-0625 Wireless Lapel Microphone**
For remote recording. Functions at up to 50 feet away; reversible clip; mini-plug output and RCA-plug adaptor fits most audio and video recording devices.

$90

**V-0614 TelePrint Converter**
Enables direct print-to-video tape transfer; built-in table pod. 9.5 x 8 x 6.25 in; 6 lb.

$80

**V-0612 Teleline Converter**
Utilizes a system of mirrors to transfer film or slides to videotape. Features built-in macro lens for simple set-up of any video camera even if it does not have its own macro function; built-in table pod; high-resolution screen.

$80

**V-0680 Tapes-To-Tape Enhancer**
Bogies video and stereo audio signals between master and slave VCR’s during tape duping; video and audio gain controls (up to 3 dB for video, 20 dB for audio); AC power supply.

$70

ARCHER BY RADIO SHACK

**15-953 Rabbit Multiplying System**
VCR multiplying system: Remote-controlled system allows VCR viewing on TV not connected to VCR. Features transmitter, receiver, cables and connecting wire. 1.75 x 6.44 x 4 in.

$70.95

15-1954. Additional receiver ........................................ $39.95

**Cable Converters**

- 15-1285. 60-channel cable-converter with infrared remote control; electronic tuning; digital display; HRC/standard cable switch; full-function remote; remote fine tune; remote on/off; 11.5 x 2.75 x 6.5 in ............. $119.95
- 15-1281. Cable TV block converter. Tunes mid and super-band channel. Converts up to VHF Fine tuning for PLL tuners. 6.5 x 2 x 3.5 in. ........................ $29.95

**15-1289 Video Remote Control Extender**
Extends range of hand-held video remote controls. 1.19 x 4.13 x 3 in. ........................................ $49.95

**15-1290 Multiple Video Distribution System**
Combines signals from antenna/cable television and up to 3 other sources with channel 2, 3, or 4 output. Sends all signals through a single coaxial cable to other TVs. Features remote control; with additional splitters signals can be distributed to more TVs.

$49.95

**15-1117 Amplifier**
In-line coax amp for use with TV’s, VCR’s, or TV ant. For long cable runs. Amp can be put anywhere in the line; 10 dB gain from 50-900 MHz; dc pass-through is possible.

$14.95

**15-1119 VHF/Cable Distribution Amplifier**
Features 1 input, 4 outputs. 2.38 x 1.38 x 4.75 in ............... $12.95

**15-1116 VHF/Cable Distribution Amplifier**
Features 1 input and 2 outputs. 2.38 x 1.38 x 4.75 in .......... $10.95

**15-1118 VHF/Cable Booster**
Booster amp for use with kit video selector switches, cable converters, VCR’s and TV’s. 2.38 x 1.38 x 4.75 in ............... $9.95

**ARISTA**

**56-3000 Control Center and Amplifier**
For two TV’s and VCR’s, 10 dB amplifier for cable or antenna; electronic switching; one input can go to all outputs. 10 dB gain; selects six inputs; power adaptor included. Isolation 65 dB ............... $199.95

**20-750 Audio/Video Patch Bay**
For inputs and outputs; thirty-two gold-plated jacks on front; cables from and to components connect to jacks in front to route signals ............... $124.95

**56-3500 TV/VCR Switcher**
Allows one program to be recorded while another is viewed; controls 4 inputs and 2 outputs; soft-touch switches; LED’s indicate signal selection ............... $99.95

**56-4000 Control Center**
Allows one program to be recorded while another is viewed; switches five sources to main TV, five sources to remote TV, and three sources to VCR ............... $89.95

**56-5500 Master Video Selector**
Allows remote control during recording; allows one program to be recorded while another is viewed; selects five inputs; gold knobs ............... $49.95

**Wet Head Cleaners**
Helps remove contaminant build-up along tape path; reduces head wear by removing oxides and lubricants from heads and tape path with fluid.

**58-110. For VHS video recorders and camcorders ........... $16.60
58-115. For Beta video recorders and Betamax camcorders .... $16.60

**58-140. For 8mm video recorders and camcorders ........... $16.60
58-5400 TV/VCR Stereo Simulator**
For playing video sound through stereo system; mini plug fits earphone jack on TV’s; dual RCA plugs for receiver input jacks ............... $15.95

**58-5405. For playing video sound through stereo system: mini-plug fits earphone jack on TV’s; smaller than 58-5400; 6-foot cable ....... $11.95
58-190 Videotape Editing Kit**
For editing and repairing VHS and Beta videotape (and audio cassette tape); with splicer, video splicing tape, audio splicing tape, two colored leader tapes, and cutter blade ............... $11.95

**ARKON**

**Stay Cool Video Light System**
Features 100 W tungsten halogen lamp; compact lightweight design; heat sink for cool operation; tilts/swivels vertically/horizontally; color temperature 3000° K.

AR100DCX-PS. DC power set includes AR100DC video light, 4-leaf barn doors, protective heat filter, and AR130BP battery ............... $179.95

AR100AC-PS. AC-Dc power set includes AR100AC-DC video light and AR130BP battery ............... $169.95

AR100DC-PS. DC power set includes AR100DC video light and AR130BP battery ............... $149.95

AR100AC-DC. AC video light with DC conversion kit ............... $99.95

AR100AC. 120 V, 150 W AC video light ............... $79.95

AR100DC. 12 V, 150 W DC video light ............... $69.95

BRL/50. 12 V, 50 W replacement lamp ............... $14.95

FCR/100. 12 V, 100 W replacement lamp ............... $14.95

JCD/150. 120 V, 150 W replacement lamp ............... $4.95

**CL-500 Cam Cool Video Light**
Compact, 12V DC quartz-halogen light ............... $69.95
Accessories

AR150BP. 12 V, 4.4 A nickel-cadmium battery with strap and charger $149.95
AR130BP. 12 V, 3.5 A battery with belt and charger $99.95
AR100BD. Stay Cool barn doors $19.95
AR100PG. Stay Cool protective glass $19.95
AR100CK. Stay Cool AC/DC conversion kit $19.95

Bedroom Ear Cordless Headsets
Infrared wireless headsets designed for TV viewing.
IR300 Solosound. Stereo headset includes transmitter: receiver, AC adapter, adapter for connection to stereo VCR or audio output jacks $109.95
IR302. Additional receiver for IR300 $59.95
980TRX Videophone. Includes transmitter, receiver, AC adapter; headphone- and earphone-type RCA jack adapters $199.95
980RX. Additional videophone receiver/headset $39.95
883TRX Wire-Free. Similar to 980TRX Videophone except infrared receiver is separate from the head set $69.95
850KA. Additional receiver for 883TRX $29.95
820MA. Microphone pickup for Videophone and Wire-Free allows connection to TV's with no head phone or other audio output jack $19.95

MP-100 Camcharger
Portable camcorder battery charger and voltage converter, selectable AC/DC operation: selectable voltage capability for use with most VHS-C and 8mm format camcorders $49.95
LV-001 Conversion Lenses
Includes 1x telephoto and 0.5x wide-angle lenses for VHS, VHS-C and 8mm camcorders $139.95

Audio Command Systems
Mediacom Series
CT-9200 Control Center
System for controlling A/V systems. Designed to work with virtually any A/V product. Features up to ten remote panels made of metal; panel size is about the size of a 2-gang light switch; 2-source capability; ten remote panels made of metal; panel size is about 100 grams $200
9200. Used for WP-9200, 9A, and 9V panels $85
WP92/CK Connector
Connector with pigtail for terminating bus cable at remote control end. Fully color-coded $13

Audio Design Associates
CCS-2 Current Controlled Speaker Source Selector
Speaker source selector. Allows same pair of speakers to be used for video and audio systems; automatically switches from audio to video when TV plugged into unit is switched on $495

V4-2 Video Splitter
Active video buffer for looping video signals. Enables routing of the video output of a tuner to two monitors or record decks without any deterioration of signal quality. Includes output/decoders. RCA jacks. Requires 120 V AC: 2 x 3 x 4 in $395

ISO-2 Line-Level Isolation Amplifier
Removes hum and ground loop interference often caused when interfacing audio and video equipment. Stereo RCA input and output jacks. Requires 120 V AC: 2 x 3 x 4 in $395

Audio-Technica
ATR-55 Telemech Shotgun Microphone
 Shotgun-style unidirectional microphone. Features switching capability from normal unidirectional operation to supercardioid operation. Hand-held or camera mount $89.95

ATR-25 Stereo Microphone
Two full-range electret condenser elements housed in a single microphone. Ideal for stereo video cameras $59.95

ATR-35 Lavell Microphone
Omni-directional, electret condenser provides wide response $33.95

Antani
3-Unit VCR Care Pak
Videocassette recorder care pak. Includes head cleaner, dust cover and one VHS T-120 tape $17.95
2-Unit VCR Care Pak. As above without VHS T-120 tape $14.95

Head Cleaner
VHS VCR Head Cleaner. Nonabrasive cleaning system for VHS videocassette recorders. Includes container of cleaning solution $10.95

Azden
Wireless Microphone Systems
Includes microphone, transmitter, and receiver that can receive sound on microphone from distances of up to 100 feet. Receiver attaches to camera or camcorder with shoe mount or velcro mounting strip. Features choice of two broadcast frequencies (49.830 or 49.890 MHz); includes earphone microphone monitor, microphone windscreen for filtering out wind interference; leatherette carrying case; uses 9-V battery $295

WMS-20 II
Comes with two electret condenser microphones: hand-held and clip-on. Either microphone plugs into transmitter. Transmitter weighs 115 grams; receiver weighs 125 grams $175
WM/CB-30 II. Microphone built into transmitter. Transmitter weighs 140 grams, receiver weighs 125 grams $200
WM/T-30. Microphone/transmitter from WMS-30 II system without receiver. 140 grams $100

WMS-10 II
Clip-on electret condenser microphone hard-wired to transmitter. Transmitter weighs 115 grams; receiver weighs 125 grams $150

ECZ-660
Electret condenser zoom microphone with switchable dual pattern $100

BIB
BK-1 VHS Care System
Contains push-button VCR cleaner, antistatic screen-cleaning fluid, ten sheets of VHS title labels, twenty reusable record safety tabs $29.95

VE-1 Camcorder Care Kit
Portable, lightweight, shock-resistant plastic carrying case contains automatic head cleaner, combination air duster/lest cleaning brush, lens cleaning fluid, lens cleaning fluid, 50 sheets of lens cleaning tissues; soft cloth $39.95

VE-1/VHS. For full-size VHS camcorders $24.95
VE/1/C. For VHS-C camcorders $24.95
VE-1/Beta. For Beta camcorders $24.95
VE-1/8mm. For 8mm camcorders $24.95

VE-43 8mm Tape-Mending Kit
Tape splicer, tape cutter, and splicing tape in plastic container $22.95

VE-40 VHS VCR Head Cleaner
One-piece push-button head cleaner automatically applies correct amount of fluid to cleaner. Cleans complete tape travel path $14.95

VE-46. VHS-C head cleaner $14.95
VE-41. Beta VCR head cleaner $14.95
VE-42. 8mm head cleaner $16.95

8mm Automatic Cleaner
Nonabrasive wet/dry 8-mm video cleaner... $12.95

VE-44 8mm Lens Care Kit
Lens-cleaning fluid, 50 nonabrasive tissues, and brush. Comes in dust-free storage box $7.95
VF-45 Room Title and Label Kit
Easy-peel labels ten sets (30 labels total) plus ten index cards for catalog titles...

28.25 x 29.5 x 16.38 in $4.95

A-612 "Two-Shot" Audio Head Cleaner
 Cleans erase, record/playback heads and complete tape path. Automatically applies correct amount of cleaning fluid onto cleaning tape...

BRETFORD

5585 Armoire Video Cabinet
Video cabinet with doors covering TV, storage drawer underneath, TV, and cabinets under the drawers. Accommodates up to 27" TV's. Available in dark and medium oak. 33.5 x 57 x 19 in...

48.25 x 53 x 16.38 in...

5579 A/V Entertainment Center
Features one audio side and one video side; adjustable top-rolling shelf for turntable; accommodates TV's up to 27" wide; adjustable-height rolling VCR shelf. Available in dark and medium oak finishes...

49.75 x 46 x 19 in...

5586 A/V Entertainment Center
Features VCR storage drawer; one audio side, one video side. Available in dark and medium oak finishes...

18.5 x 37 x 16 in...

5576 TV/VCR Stand
TV stand with glass-doored cabinet underneath for storage and VCR. Has concealed casters. Dark, medium, and black oak finishes...

5581 TV/VCR Stand
Features 19.25" high by 27" wide TV compartment; adjustable VCR shelf; glass-enclosed storage with adjustable video shelf; silk-screened, wood-framed glass doors. Has 20.25"-wide glass-enclosed audio area with three adjustable shelves; also solid oak and oak-laminate cabinetry.

AV-1675 Full-sized entertainment center holds 27" TV, adjustable shelf; glass-enclosed storage with adjustable shelves. 49.25 x 49.88 x 20 in...

V1636 Video Center holds most 27" TVs and all 19" TVs; cabinet portals for TV's with sidefacing speakers; glass-enclosed storage area. 30.5 x 50.63 x 20 in...

V1632 Compact video cabinet holds up to 27" TV on top shelf. 30.5 x 24.25 x 16 in...

Jamestown Collection series
Features golden brown oak finish; solid oak dentil molding, raised panel doors and drawers; brass hardware...

AV-774 Home Entertainment Center Combination home entertainment center/room divider. 2 pull drawers. Library oak finish. 49 x 69.5 x 15.5 in...

V1322 Artisan Video Cabinet Features 19.25" high by 27" wide TV compartment with adjustable shelf and oak-framed glass doors. Hand-stained and finished oak and oak laminates...

CALRAD

Calrad is a manufacturing company whose products are available through the mail. Products include a variety of video connectors, test equipment, tools, and accessories. For a free catalog contact: Calrad Electronics Inc., 819 N. Highland Ave., Hollywood, CA 90038. (213) 465-2131.

Audio-Craft

60-410 Tape Rewinder/Cleaner
For VHS formats only. Quickly fast-forwards or rewinds tapes while cleaning them. Includes 4 replacement tape-cleaning bars...

4-100 Indoor TV Antenna
Adjustable. Features built-in control knobs for positioning TV channels and fine tuning...

ABC集市 SERIES

Series is comprised of 2 groups of cabinets, L120 and L130 series. With the L120 series being 4" deeper allowing consumers to create a "breakfront" system. All cabinets stand 72" high. 4 units measure 30" wide and have 20" widths.

L130WS Wood and glass doors; middle doors open 180° for TV viewing; 30" w 19.4" d...

L123WS Audio cabinet with wood and glass doors; 20" w 19.4" d...

L134WS Open shelving above wood doors; 30" w x 19.4" d...

L124WS Wood doors; 15.4" d...

L121WS Wood doors; 14.9" d...

L123WS Open shelving; 15.4" d...

AV-1375 Audio/Videocenter Features 25" wide TV compartment; adjustable VCR shelf; glass-enclosed storage area with adjustable video shelf; silk-screened, wood-framed glass doors; has 20.25"-wide glass-enclosed audio area with three adjustable shelves; also solid oak and oak-laminate cabinetry.

AV-757 Home Entertainment Center Will accommodate up to 27" TV's and several different VCR's.

Furniture Systems Series

Series is comprised of 2 groups of cabinets, L120 and L130 series. With the L120 series being 4" deeper allowing consumers to create a "breakfront" system. All cabinets stand 72" high. 4 units measure 30" wide and have 20" widths.

L130WS Wood and glass doors; middle doors open 180° for TV viewing; 30" w 19.4" d...

L123WS Audio cabinet with wood and glass doors; 20" w 19.4" d...

L134WS Open shelving above wood doors; 30" w x 19.4" d...

L124WS Wood doors; 15.4" d...

L121WS Wood doors; 14.9" d...

L123WS Open shelving; 15.4" d...

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4-100 Indoor TV Antenna
Adjustable. Features built-in control knobs for positioning TV channels and fine tuning...

FOR VIDEO BUYERS' GUIDE 1989
select hardwood solids and veneers including natural oak, dark oak, natural American walnut, and black oak, with matching adjustable shelves. All cabinets are modular so they may be used individually, grouped, or stacked to create complete entertainment centers.

Magic Lowboy. Unit conceals set of shelves that can hold a complete A/V system: remote control raises components from base for use. Can be used for snow-away bar, hidden computer center, or grouped for a wall unit. 32 x 47.25 x 19 in., rises to a maximum height of 53". $2,600 to $2,900.

Glass Lid. With adjustable shelves, feather-light latched lid, and casters. 42 x 24 x 19 in. $415 to $525.

Lowboy. With four adjustable shelves and casters. 40 x 17.75 x 19 in. $415 to $515. 42. With three adjustable shelves and casters. 42 x 24 x 19 in. $335 to $445.

Entertainment Table. Finished on all four sides with wood base. 16 x 47.75 x 19 in. $335 to $425.

Smallboy. With two adjustable shelves and casters. 21 x 47.75 x 19 in. $335 to $420.

Video Cube. With 75" stacking rail for stacking on top of monitor cart. 30 x 30.5 x 19 in. $265 to $345.

Monitor Cart. With adjustable shelves and casters. 30 x 24 x 19 in. $270 to $345.

Drop Leaf Door. For use with 21", Woodmore or Woodmore Smallboy. $55 to $64.


Small Drawer. 4.8" high. Holds up to 9 videocassettes. $100 to $120.

Medium Drawer. 7.4" high. Holds up to 16 video tapes. $110 to $135.

Large Drawer. 11.1" high. Includes removable hanging file folder rails. $125 to $150.

Slide-Out Tray. 1" high. Extends 12" and locks into place. $85 to $120.

Projection TV Furniture. Projection Cabinet. Cabinet for screen storage 60 x 78.5 x 19 in. $835 to $1,135.

Projector Cover. Finished on all four sides, with tri-fold door to hide tubes when not in use. 18 x 29.5 x 31 in. $220 to $275.

Optional Accessories

Outlet Strips and Boxes. Filtered and spike-protected: eight-outlet strip with remote switch. Four banks of two isolated outlets. $195.

Two-Outlet Box. As above, but lacks switch and has only two outlets. $70.

Videotape Drawer. Holds 26 tapes of different types: 3" hi-fi. $80 to $100.

Wood Accessory Rack. Solid-wood hanging rails for glasses and wine bottle racks. Also has video accessories. $80 to $96.

Staple Cabinet Lights. With matching wood rail, fixture is 75" high with cord switch. $50 to $64.

Wood Back. Custom sorting available at additional cost. $32 to $55.

Stacking Rails and Bases. Solid-wood stacking rails 75" high and bases 17.5" high allow individual units to be combined into wall systems. All multi-cabinet bases have leveler brackets and adjustable levelers. $22 to $30.

Gold-ens Connector Cables. Audio/video connector cables designed for ultra-low capacitance and 75-ohm impedance. $34.95.

GOLD-ENS. CABLES

Gold-ens Connector Cables

Wet Video Head Cleaners

Nonabrasive wet cleaning system for VHS and camcorders. Good for 100 uses.

VHS $19.95

8mm $19.95

VHS-C $19.95

Dry Video Head Cleaner

Nonabrasive dry cleaning system for VHS or Beta VCR's. Good for fifty uses. $14.95.

Wet CD Video Disc Cleaner

Nonabrasive wet cleaning system for CD-V video discs. $19.95.

Videocassette Labeling System

Plastic label sleeve affixed to videocassette holds label which can be changed if the tape is re-recorded.

VHS or Beta. 15 double-sided paper labels and live label holders. $3.99.

DRAKE

PRC2400 Universal Remote Control

Universal infrared remote control comes programmed to operate Drake 2400 series satellite equipment and can be programmed to operate two additional remote-controlled audio/video components. Program for Drake 2400 series can be overridden so that unit may operate other manufacturers satellite equipment. Works at up to 30 feet. 0.69 x 2.31 x 6.5 in. $100.
## ACCESSORIES

**PRC924. As above, pre-programmed for Drake 924 series**
- $100

**PRC4524. As above, pre-programmed for Drake 524 and 424 series**
- $100

**PRC240. As above, pre-programmed for Drake 240 series**
- $100

### FINELINE DISTRIBUTING

All Fineline cabinets have a 3/4" hardwood composite core and an oak or satin-black varnish finish. All cabinets are part of an expandable modular wall system. Some cabinets include multi-purpose drawers and slide out shelves.

**Audio + Video Cabinet. Outside dimensions: 42.25 x 49.75 x 21 in. Video section: 38.75 x 28.5 x 19.5 in. Audio section: 38.75 x 19 x 19.5 in.**
- $79

**Tall Video Cabinet. Outside dimensions: 42.25 x 30 x 21 in. Inside: 38.75 x 28.5 x 19.5 in.**
- $329

**Short Video Cabinet. Outside dimensions: 21.25 x 30 x 21 in. Inside: 17.75 x 28.5 x 19.5 in.**
- $295

**Super Monitor Cart / Video System Stand.**

**FOURNIER**

I.CVA436 Character Generator

Counts and records titles on tape. 8-page index memories. 4 sizes. 72 characters, stopwatch, scroll.

**ICVA430B AC Adaptor/Charger**

Adaptor can be used to power camcorder directly from 120-volt AC source. May also be used to recharge ICVA125 battery pack, also provides connections to TV.

**ITPD540 Tripod**

extends to 60 inches and provides support for video cameras. Controls for panning and tilt.

**ICV-A550 CATV Adaptor**

Enables VCR receiver to receive and play back both regular and pay TV cable programs. All electronic switching.

**C600 Control Central**

Handheld programmable remote transmitter will operate up to 4 infrared audio/video of most brands or manufacturers. Unit is capable of learning the infrared codes of other transmitters to become the single control center.

**ICV-A410 AC Adaptor/Recharger**

For GE camcorder power from AC source. Recharges ICVA125 battery pack.

**ICV-A284 Camcorder Carrying Case.** Rigid case with internal foam padding for camcorder and accessories.

**ICV-A255. Similar to above**

### GENEVA GROUP

**PF-211 Videotape Bulk Eraser**

Restores videotape to original blank state by rubbing unit over tape. Improves quality of re-recordings.

**ICVA490 Cassette Adaptor**

Full-sized cassette adaptor makes VHS-C recordings compatible for use in any VHS VCR.

**ICVA505 Power Supply**

Camera power supply for use with GE camera and table-top designed VCR's.

**ICVA505 Car Cord**

Cord power from any 12-volt car battery to camcorder plugs into vehicle cigarette-lighter socket. 16-ft cord.

**ICVA145 Battery Pack**

Rechargeable battery pack provides up to 1-hour operation of camcorder.

**ICVA125. Similar to above but provides 2-hour capability**

### HAMA

**Videocat II Video Editing Controller**

Character generator with 2 type fonts in 7 colors. Can store 50 scenes. NTSC version.

**Copying Stand No. 6220**

Retains prints and proofs in check format. Can make 50 prints.

### VIDEO BUYERS' GUIDE 1989

GUSDORF

5955 Entertainment Center

Features genuine hardwood solids. Holds 19-27' TV, VCR and audio system: tempered safety glass doors.

### VIDEO BUYERS' GUIDE 1989

**ICVA430 Character Generator**

 Counts and records titles on tape. 8-page index memories. 4 sizes. 72 characters, stopwatch, scroll.

**ICVA430B AC Adaptor/Charger**

Adaptor can be used to power camcorder directly from 120-volt AC source. May also be used to recharge ICVA125 battery pack, also provides connections to TV.

**ITPD540 Tripod**

Extends to 60 inches and provides support for video cameras. Controls for panning and tilt.

**ICV-A550 CATV Adaptor**

Enables VCR receiver to receive and play back both regular and pay TV cable programs. All electronic switching.

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Retains prints and proofs in check format. Can make 50 prints.
ACCESSORIES

6228 Lights for Copy Stand. Two adjustable arms screw onto baseboard. Each arm uses two 100-watt bulbs. Without bulbs...

3012 Telecine "Video transfer" 8 x 8-inch daylight projection screen and reversing mirror enables transferring of slides, films, super 8mm, 8mm and others to video using video camera... $79.95

3015 Tilt Stand. For telecine 3012...

Car Camera Support "Universal" Suction cup with three-point suspension permits attachment of the support to the side or rear window. Suitable for car weighing up to 3.5 lb...

Camera Grip "Professional" Ergonomically designed hand-grip. Features 20" coiled cable and 2.5-mm jack for electromagnetic shutter release...

Clamp and Table Stand 8.25" tripod with clamp permitting attachment to table tops, fences, etc...

6833 Video Light Angle-bracket For camcorders/video cameras without accessory shoes or video lights too heavy for on-camera mounting. Enables two-handed grip of camera. With horizontal and vertical slip-in shoes...

394/40 Remote Release 'MD' For remote operation of video cameras. With 3.5-mm plug...

5127 Adapter. 2.5-mm female to 3.3-mm male...

K-173. Wide-angle...

K-172. Wide-angle...

K-174. Wide-angle...

K-352 Video Light Light attaches easily to any video camera; plugs into AC outlet; 250-W bulb with adjustable barn doors for maximum control over lighting design. Approx. 175 hours of use per bulb...

INNOCENT CONCEPTS

Protection Plus Storage Cases Storage case for VHS and Beta videocassette. Locking mechanism provides dust-free environment. Made of durable plastic with lifetime warranty against cracking. Approved for mailing by US and Canadian postal services. Available in black, brown, cream...

INTRACLEAN by A.R.T Nonabrasive cleaning hand uses strong nonalcohol cleaning solution to clean heads, capstan, pinch roller, and tape guides...

JVC NS-CS587 TV Table with Speakers Two-way coaxial speakers built into 1V table; maximum input 30 watts per channel; one-year in-home service warranty, one-year warranty on all parts. Frequency response 50-20,000 Hz. Shipping weight 35 lb...

K-352 Video Light...

K-352 Video Light...

K-352 Video Light...

KENWOOD RC-100 Universal Remote Control Programmable remote control unit for use with any brand A/V equipment. Comes with capability to control kenwood units, and allows for 36 other user-programmable functions...

K-3054 High Tech RC Case Designed for camcorders. Features reinforcedylon-molded exterior trim guards for shock proofing; high-density diecast interior, heavy-duty straps; twin key locks. 133 x 13.5 in; 7 lb...

K-3082. As above except smaller. 18 x 7.5 x 13.5 in; 7 lb...

K-375 Video Light...

K-322 Video Master Bag Multi-function bag holds any camcorder securely in place. Features partitions for battery pack and compartment for extra battery or video tapes. Outside pockets. 16.5 x 8.5 x 10.5 in...

Video Mini Bag As above, but designed for VHS-C and 8mm camcorders. Available in silver, black, blue or black rama...

Auxiliary Camcorder Lens Sets K-471. Telephoto lens for 8mm camcorder...

K-472. Wide-angle lens set for 8mm camcorder...

K-473. Telephoto lens set for VHS-C camcorder...

K-474. Wide-angle lens set for VHS-C camcorder...

HOLLYWOOD MAKE-A-MOVIE

Home Moviemaking Kit Enables making three-to-five minute videos with any video camera or camcorder. Includes three scripts on color storyboards, props, video cassette with sound effects and music...

HYPERTECH

Pro Series Underwater Camcorder Housing All Pro Series underwater camcorder housings are made of high-grade aluminum, lightweight, compact, and are available in a variety of colors. They feature wide-angle optics, a 7-element color-correction filter, viewfinder magnifier, and sturdy mechanical controls. Camera mounts on removable mounting tray and housing has a high-security O-ring seal. Housing only...

Prices below reflect complete Hypertech systems with lights and accessories:

Pro-7s. For Sony CCD-SP7...

Pro-9a. For Sony CCD-VP...

Pro-20. For Sony CCD-F20...

Pro-30. For Sony CCD-F30...

Accessories Travel Case...

W/A Lens Kit...

Dome with Cover...

Dome with Glue...

Filter Kit...

O-Ring Kit...

Viewfinder Magnifier...

Zoom Control...

8mm, 8mm and others) to video using video cassette. Locking mechanism enables transferring of slides, films (super 8mm, 8mm and others) to video using video camera...

Tablepod. 3 lb...

 Transfers slides or 8 or 16mm movies to video with videocamera. Features macro V-617 Photograph to Video Converter...

GRA-2035-I Swivelling Video Center Kit Video Center holds table-model 20" TV's and most cube-type TV's to 27". Features VCR shelf and magnetically secured push-to-open doors that open onto accessory storage area. Assembly required. 24 x 29.25 x 15.5 in; 65 lb...

V-311. For Beta format, includes 4 oz-oz bottle of V-301 Video Cleaning Solution...

V-321. For Beta format...

V-331. For 8mm format...

V-341. For VHS-C format...

KALIMAR

K-483 Video II Tripod Tripod with heavy duty tubular legs and brace. Panhead is spring-loaded 3-way, 3-stop with 3 handles. Features geared elevator, aluminum and steel construction; height extension 25.7 inches; size closed...

Video Mini Bag...

RC-100 Universal Remote Control...

K-3054 High Tech RC Case...

K-3082. As above except smaller...

V-9000 Molded Case...

V-3012 Telecine "Video transfer"...
Investing in sound?  
Here's how to make it pay off.

Great buys—at a great buy:  
SAVE 74%!

Stereo Review is written for people who want to make smart buying decisions. We'll help you find the right stereo equipment—the first time you buy—and show you how to use it the right way. Because sound information is the key to getting an audio system that gives you what you really want.

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LASER by SWIRE MAGNETICS
Wet-System Head Cleaner
Designed to clean video heads. VHS or Beta. $5.99

LESLEY DAME ENTERPRISES
64015 Videocassette Storage Cabinet
Solid oak; holds 15 videocassettes... $41.95

VA-18 Videocassette Storage Unit
Solid oak; holds 18 videocassettes... $39.95

VA-26 Videocassette Wall Rack
Wood finish; wall or shelf mounting; holds 26 videocassettes... $31.95

HI-36 Videocassette Storage Cabinet
Wood grain finish; holds 36 videocassettes... $29.95

HI-24VN. As above; holds 26 videocassettes... $18.95

MEMOREX by MFTK
Gold Series Video Accessories
Features gold-plated connectors for maximum electrical conductivity and corrosion resistance.

10 dB Four Output Amplifier. Designed to amplify video signals and improve picture quality. Connects to coaxial television cables wherever an AC outlet is available... $14.99

TV Signal Booster. Designed to amplify video signals and improve picture quality. Connects to coaxial television cables wherever an AC outlet is available... $17.99

10dB Amplifier. Designed to boost signal and improve reception of any VHF or cable television channel... $14.99

Double Pair Stereo Cable. Designed for convenient input and output of audio/video connections. Features 4 molded-together cables; color-coded plugs; stranded pure copper conductors. 6-foot length... $11.99

Video-Type Coaxial Cable. Designed for connecting a videocassette recorder to a television or other video devices. Features professional-quality 95% shielding; 3-6, 12, 24-foot lengths... $9.99

Video Selector Switch. Allows the selection of up to 3 video inputs. Features 3 inputs, 1 output; coaxial design... $7.99

Signal Separator. Separates one 75-ohm television antenna signal into three distinct bands (VHF, UHF, FM)... $4.99

75-Ohm Terminator. Designed to plug into unused outputs of video equipment such as amplifiers and splitters. Reduces ghosts and reflections... $1.99

Video Accessories
VHS Wet Head Cleaner. Nonabrasive wet head cleaner for VHS VCRs... $5.99

Stereo VHS Dubbing Cable. For dubbing between 2 stereo or hi-fi VCRs... $5.99

VHS Dubbing Cable. Individual audio and video cables for dubbing between VCRs... $5.99

Connecting Cable. Cable for connection between a VCR and audio system... $7.99

Small VCR Desolderer. Designed to keep dust from videocassette mechanism... $5.99

4-Way Splitter. Designed for interference-free distribution of antenna, cable or videocassette signals with up to 4 destinations... $5.99

"F" Connectors. Crimp-free "F" connectors. Pack of 4... $4.49

2-Way Splitter. Designed for interference-free distribution of antenna, cable or videocassette signals with up to 2 destinations... $3.99

Video Label Set. For identification of video recordings. Includes ten easy peel on/off labels for both cassette face and spine... $1.99

Videocassette Storage Case. Improved compact Safeguard videocassette storage case with a locking mechanism for protection against dust... $1.99

MOGAMI
Super VHS Connecting Cables
Mogami Super VHS cables use 70-ohm cables in a parallel pair. Each conductor contains 25 strands of pure copper. Cables come with S-VHS connectors on each end.

6 foot length... $12.95
12 foot length... $14.95
20 foot length... $17.95
50 foot length... $29.50

NADY SYSTEMS
Wireless Microphone System
Wireless microphone system for video cameras. Features microphone transmitter and miniature receiver. Effective operating range of 100 feet... $199.95

151 VR/LR VHS video wireless microphone system with lavaliere microphone... $189.95

VCM-100 Video Camera Boom Microphone
Video camera microphone switchable sensitivity for normal or long distance. Includes 3-foot coiled cord for on-camera use and 20-foot straight cord for remote use. Powered by single 9 volt battery... $64.95

NILES AUDIO
VS-5 Audio/Video Patching System
Active 5 x 5 audio/video patching system. Simplicity, recording, playback and dubbing; features separate audio and video switching. 50 dB isolation; no active components to degrade signal... $629.95

VDA-6 Video Distribution Amplifier
6-output video distribution amplifier designed to distribute a single video source to multiple destinations. Features buffer circuits to ensure that source signal reaches all destinations without degradation. All circuits are coupled... $160.00

VSA-1 Direct Video/Stereo Audio Patch
Passive audio/video matrix switcher for connection of satellite and video components. Connects to a video monitor and a hi-fi auxiliary input. Features 65 dB isolation; no active components to degrade signal... $99.95

VSA-5 Audio/Video Patching System
Active 5 x 5 audio/video patching system. Simplicity, recording, playback and dubbing; features separate audio and video switching. 50 dB isolation; no active components to degrade signal... $699.95

NEC
AVX-510 Audio/Video Switcher
AVX switcher with digital video noise reduction. Features S-VHS input; 24-function wireless remote control; adjustable levels; 8-bit luminance and 6-bit chroma noise reduction... $699

Olympus Conversion Lenses
Extend the focal length of any camcorder with wide and tele conversion lenses. Coated. 49-mm diameter thread... $95

Olympus Lens Hood
49-mm screw-on thread. Hts standard camcorder lens; protects against light flares and provides cushion against torn rubber and contacts with lens... $19

Olympus Lens Cleaning Kit
Blower brush, lens cleaning tissue and cleaning fluid... $10

ONKYO
RC-AV20M Universal Remote Control
Audio/visual universal remote control can be programmed to operate up to nine video (VCR's, TV's, cable boxes), and audio components with infrared remote capabilities. 51 keys learn the remote operations of a variety of components and can store 102 functions into memory. Control modes for Onkyo products preprogrammed in the unit. Uses four AAA batteries. 7.5 x 2.75 x 1.19 in; 7.1 oz... $99.95

orf
TL-255X Telephoto Conversion Lens
Telephoto lens designed for use on most 8mm, VHS-C; and video camcorders. Features lightweight construction; all-glass lenses; lens bay; three adaptor rings; protective lens caps; one telescopic lens; one .7x wide-angle lens; protective bayonet lens; protective lens cap; two adaptor rings; two leather cases for protection of each lens... $189

RFM1 Modulator
RF modulator for VCR's and computers... $60

VSB2 Switcher
Video/audio switcher... $50

TAG-158 Stereo Simulator
Stereo Simulator module with 6-bit stereo and adaptable analog for front and rear speakers. Selects stereo and VCR to simulate stereo... $10

AGB27 A/B switch... $3.60

Cleaning Products
SMM-2000. 8mm head cleaner and fluid... $17.95
VH5500. VHS head cleaner. Nonabrasive... $9
VHS-500. VHS-C head cleaner and fluid... $19
BTH-500. Beta head cleaner and fluid... $9
VCK122. Video tape repair kit for VHS and Beta tapes .......................... $6.40
VCC2420. Dust cover for front-loading VCR ................. $5.20
VCC2410. Dust cover for top-loading VCR ............... $5.3
DM1091. Clean-O-Tip cleaning swabs ................. $1.60

Production Accessories
S-VHS-6. S-VHS video cable. Enables the separate transmission of luminance and chrominance signals to provide an enhanced S/N ratio. Horizontal resolution: 150 lines. For use with S-VHS monitors, VCKS’s, videodisc players, TV’s, and dubbing equipment. 6 ft. $16.95
S-VHS-12. As above, 12 ft. $22.95
GCX10. GCX twist-lock interconnect provides a practical way to make custom-length interconnects. Rather than predetermined cable lengths, the GCX twist-lock cable enables configuring of premium-grade interconnects to the exact length required. Without special tools or soldering. 10 ft. $7.95
GCX25. As above. 25 ft. $17.95
GCX-2. GCX twist-lock connectors. twist-on gold plated; strain-relieved; low signal loss and crosstalk. 2 pc. unit. $6.95
GCX-4. As above. 4 pc. unit. $12.95
DUB-56. Ultra-shielded stereo/video dubbing kit. Heavy-duty coaxial cables; left/right color coding; 6 ft. $19.95
DUB-53. As above. 3 ft. $11.95
DUB-51. As above. 1 ft. $9.95
SOGDUB8. Super-quality stereo/video dubbing kit, 6 ft. $8.95
SOGDUB3. As above. 3 ft. $8.20
SOGG623. Stereo-to-mono dubbing cable, 6 ft. $6.90
US-1. 1 ft. RCA-to-RCA dual U.S. cable; gold-plated terminals; strain-relieved; copper braiding. $8.50
US-3. As above. 3 ft. $9.08
US-6. As above. 6 ft. $9.50
US-12. As above. 12 ft. $10.50
UFP-3. 3 ft. F-to-F push-on U.S. cable; reduces interference during reception; gold-plated; strain relievers; copper braiding. $8.00
UFP-6. As above, 6 ft. $8.00
UFP-9. As above, 9 ft. $10.50
UFG-3. 3 ft. F-to-F ultra-shielded cable; gold-plated; strain relieved; screw-on connectors; molded solder joints. $16.60
UFG-6. As above, 6 ft. $16.60
UFG-9. As above, 9 ft. $17.50
UFG-12. As above, 12 ft. $21.00
URG-1. 1 ft. Acetate single gold-plated; strain-relieved; low signal loss and crosstalk. $6.50
URG-1. As above, 1 ft. $6.50
URG-6. As above, 6 ft. $8.50
URG-9. As above, 9 ft. $10.00
URG-12. As above, 12 ft. $12.00

CC625-33. 10-pin VHS-camera extension cable; 33 ft. $56.95
CC515-16. As above, 16 ft. $40.95
DC3/12. Car Cord for VHS camcorders ................. $22.95
DC76. Car Cord for portable VCR with 3-mm barrel connectors ............... $17.95
DC76P. Car Cord for Panasonic 5000/6000 VCR ........... $16.95
DC8500. Car Cord for Sony 8mm camcorders............ $39.95
WM1A15C. 3.5-mm stereo 15-ft coiled extension cord. $4.80
OTF120. Oxygen-free copper cables with Titaniumnitride shielded connectors. Single video cable. $2.50
OTFS5. As above. 1/2 meter. $2.95
OTFS8ST. As above, but with three separate wires fused together. Triple audio/video cable. 1/2 meter. $4.95

OSRAM
Video 1000 Profi Video Light Features 100-watt (3400K) tungsten-halogen AC lamp, variable beam angle between 90° and 30°; tilts vertically 90°; diffused safety-glass lens for soft illumination; silent blower with thermostatic cut-out to prevent overheating; removable handle with 1/4" thread; 15-foot power cord, camera bracket; half-power electronic circuit; four pivoting barn doors. $169.95

Video 300S Video Light Features 300-watt (3400K) tungsten-halogen AC lamp; mounts to any video camera by camera shoe; tilts vertically through 90° for direct or indirect lighting; space-saving, folding handle; safety cage with heat-resistant hardened glass screen; safety screen can be replaced by day light conversion filter or a colored gel; two barn doors. $124.95

Uni-Clamp Universal clamp-fitting for video lights; 1/4" tripod thread .......... $18.95

AL 100 Video Light System
Features 75 Watt/12 Volt halogen lamp; focusing variable beam angle from 70° to 30°; handle and camera shoe; 4-foot coiled cord; safety glass lens; daylight electronic conversion filter and spot reflector available (see below); tiltable rotatable head with on/off switch.

AL 100 Profi Set. Includes 12 V/4 Ah battery with charger (20-minute run time/8-hour charge); cordura case, belt loop, shoulder strap. $149.95
AL 100 Profi Set. Includes rechargeable, maintenance-free battery with charger (15-minute run time/8-hour charge). Features LED monitor panel and tone to signal power-level loss; electronic circuit prevents overcharging. $139.95
AL 100 Belt Kit. Includes day light conversion filter and spot reflector; 12 V/4 Ah battery belt with status indicator (55-minute run time/8-hour charge); battery charger, 75-watt bulb and 100-watt bulb; custom anvil case $529.95

Accessories for AL 100 System
Belt Battery, 12 volt/12 Ah belt-type battery pack with female cigarette plug with charge level meter. $29.95
DC Power Module. 12 V/4 Ah battery pack $69.95
Spot Reflector. Extremely narrow angle of illumination (7°); safety glass lens; conversion filter. Converts light output from 3400°K to 5600°K (daylight), useful as a fill-light outdoors $46.95
Battery Adapter Cord. Allows use of AL 100 Video battery with any 12V equipment. $9.95
Car Cord. Allows use of AL 100 Video with standard 12V power source using a female cigarette plug. $9.95
Shoe Adapter. Adapts video light to camera shoe. $8.95

O'SULLIVAN
81261 Corner Video Etageres Designed to fit in corner. Features solid-oak frame with plantation-cherry laminate finish; tempered glass door; 2 adjustable or removable shelves; 1 pull-out turntable shelf; 27" TV area; 2 lower storage drawers with brass-finished accents; 2 adjustable or removable component shelves; 26" TV space/VCR shelf; 2 lower storage drawers with wood grain laminate inserts. 47 x 15.25 x 48.25 in. $279.95
81262 Corner Video Etageres Features solid-oak frame with plantation-cherry laminate finish; tempered glass door; 2 adjustable or removable shelves; 1 pull-out turntable shelf; 27" TV area; 2 lower storage drawers with brass-finished accents; 2 adjustable or removable component shelves; 26" TV space/VCR shelf; 2 lower storage drawers with wood grain laminate inserts. 47 x 15.25 x 48.25 in. $279.95
81263 Corner Video Etageres Features solid-oak frame with plantation-cherry laminate finish; tempered glass door; 2 adjustable or removable shelves; 1 pull-out turntable shelf; 27" TV area; 2 lower storage drawers with brass-finished accents; 2 adjustable or removable component shelves; 26" TV space/VCR shelf; 2 lower storage drawers with wood grain laminate inserts. 47 x 15.25 x 48.25 in. $279.95

79680 Entertainment Center Features solid-oak frames with oak-laminate finish; tempered glass door; 3 adjustable or removable component shelves; 26" TV space/VCR shelf; 2 lower drawers; casters. 45 x 20.75 x 49.13 in. $299.95
79281 Entertainment Center Features plantation-cherry laminate finish, 2 panel doors conceal 4 adjustable or removable component shelves; TV shelf will accept most 26" monitors; adjustable or removable VCR shelf; storage compartment. 48.75 x 19.75 x 53.5 in. $299.95
79300 Entertainment Center Features glossy black-Formica high-pressure laminate finish; tempered glass door; 2 adjustable shelves; 1 pull-out turntable shelf; 27" TV space/VCR shelf for smaller TV; lower storage area behind twin double doors; cast-metal door pulls. 47 x 15.25 x 48.25 in. $279.95
79480 Entertainment Center Features sculptured rails and rounded-edge design with brass-finished accents; 2 adjustable or removable component shelves behind glass tempered door; adjustable VCR shelf; 27" TV area; 2 lower storage drawers with wood grain laminate inserts. 43.25 x 15.6 x 49 in. $199.95
79481 Entertainment Center Features colonial oak-laminate with twin, tempered glass doors, 6 adjustable or removable shelves; VCR shelf; 27" TV area; 2 lower storage drawers with brass-finished door pulls and wood grain laminate inserts; beveled front, cam-lock construction. 46 x 19.88 x 47.63 in. $199.95
79660 TV/VCR Cabinet TV/VCR cabinet complements $2650 audio cabinet. Solid-oak-framed lower storage drawers with solid-oak fronts; 26" TV area; adjustable VCR shelf; casters. 45 x 20.75 x 29.5 in. $179.95
79236 Entertainment Center Colonial-oak laminates with solid-oak door/drawer pulls. Accepts most 19" TV's; venetian door over lower storage area; lower drawer; 1 adjustable or removable component shelf; 1 top and 1 middle, full width shelf. 69 x 14.75 x 48.5 in. $169.95
79227 Entertainment Center Colonial-oak laminates, tempered glass doors on two
ACCESSORIES

1008 Entertainment Center
Colossal oak laminate finish with adjustable VCR shelf. Large TV area and adjustable component shelving; tempered glass door; twin door storage area; 47.25 x 15.5 x 48 in. $199.95

VGT LIV32 Tripod
With video 3-way fluid pan head with 2 handles and quick release shoe with spring loaded locater pin. Features geared elevator; elevator friction safety control; 3 section 27mm closed hex legs; horizontal leg locks; leg braces; adjustable leg spikes. Overall height 61.5 in; folded height 22.5 in. $149.95

VGT LIV102 Tripod
With video 3-way fluid pan head with quick release shoe with spring loaded locater pin. Features geared elevator; elevator friction safety control; 3 section 27mm closed hex legs; horizontal leg locks; leg braces; adjustable leg spikes. Overall height 67 in; folded height 32 in. $124.95

VGT LIV84 Tripod
With video 3-way fluid pan head with quick release shoe with spring loaded locater pin. Features geared elevator; elevator friction safety control; 3 section 27mm closed hex legs; horizontal leg locks; leg braces; adjustable leg spikes. Overall height 61.8 in; folded height 24.8 in. $89.95

PACKTRONICS

VHC-1 Video Hard Case
Protective aluminum carrying case with adjustable dividers. Features velcro strap; compatible with large format camcorders; non-slip shoulder strap. Interior dimensions: 17 x 11 x 4 in. $119.95

VHC-2. As above, for 8mm and VHS-C camcorders. 4.3 x 8.9 x 14.8 in. $119.95

VHC-3 ABS Video Hard Case
Constructed from ABS plastic with adjustable dividers. 4.5 x 16 x 11 in. $99.95

CHC-1 Camera Hard Case
Protective aluminum carrying case with foam insert for custom sizing to your camcorder or camera. 4.3 x 17 x 11.8 in. $99.95

VGT LIV32 Tripod
With video 3-way fluid pan head with two handles and quick release shoe with spring loaded locater pin. Features geared elevator; elevator friction safety control; 3 section 27mm closed hex legs; horizontal leg locks; leg braces; adjustable leg spikes. Overall height 61.6 in; folded height 22.5 in. $139.95

THE RACK FACTORY

Deluxe Videocassette Library
Videocassette cabinets feature slots large enough to hold Memorex, Amaran, and similar tape library cases. Wood construction available with oak or oak grain vinyl finish. Free standing, stackable or wall mounted.

VHS-45. Holds 45 tapes $37.95
VHS-30. Holds 30 tapes $29.95
VHS-15. Holds 15 tapes $19.95

RCA

CGA830 Character Generator
Character generator with four type sizes (small to large). Up to 60 characters can be added to a scene at one time and up to 30 groups of characters can be stored and recalled. Characters may be stored in the battery-powered memory (two AA batteries included) for several months and up to 40 words can be stored in the word register. Features "caption" and "window" special effects; stopwatch display calendar; time-lapse capability. S-VHS compatible; built-in belt clip. 8 x 3.25 x 1.1 in. $329.95

WM002 Wireless Microphone System
Add-on microphone for RCA camcorders. Features 13" antenna; operates on 3 AA batteries; captures sounds from 0 to 100 feet away; transmitter weighs 3 oz; receiver weights 5.5 oz. $159.95

WAL01 Wide Angle Lens
Expands video camera's field of view by a factor of 6. Features 3 step rings; sized .46, .49, and 52 mm. Housed in black vinyl snap enclosure case with padded interior. $399.95

JX152A Lens Extender
Increases camera's lens magnification power 1.5 times through entire zoom range: 3 step rings included; contained in a black snap enclosure with padded interior; compatible with most RCA video cameras. $399.95

AV046 Video Power Pack
Eleven-cell rechargeable 4.5-Ah nickel cadmium battery for use with all 12-volt DC portable video equipment. Features removable and adjustable shoulder strap; built-in belt clip; built-in overcharge prevention. UL-listed charger included. 3.5 lb $124.95

PFS036A Film Slide Adapter
Permits transfer of slides to video tape. If used with a camera that has a neg/pos switch, 35 mm and 110 mm print negatives can also be transferred to video tape. Comes with 4 step rings, three sizes of frame holders, and one filter. $119.95

LJK115A Special Effects Lens Filter Kit
Includes 4 special effects lens filters: 3.5x parallel mirage, 0.5x mirage, center focus highlight, and a polarizer to reduce reflections. Four step rings included. Comes in black enclosure. Compatible with most RCA cameras. $109.95

SK406 Surge Suppressor
Protects against transient peaks and voltage spikes in video equipment. Safeguards equipment from power surges; replaces built-in protection. 8 x 5 x 7 in. $89.95
line surges and RF or electromagnetic interference. Built-in light signals proper functioning. Plugs into standard 125-volt receptacle and accepts up to three power cords from any mix of equipment ... $26.95

A V009W VHS Format Head-Cleaner Kit
Wet system head-cleaner cassette picks up and removes 90-100% of dirt, dust, and oxide residue from heads, headwheel, pinch rollers, and capstans. New section of cleaner automatically in position for each cleaning. Includes cartridge, spray, and instructions. $14.95

A V010W. For Beta format $14.95

A V016. Replacement head cleaner spray for AVO99W and AVO10W. $4.49

AC026 Camcorder Lens Care Kit
Includes 46-mm optical skylight 1A filter for lens protection and picture enhancement, special-formula cleaning fluid and cleaning tissue, and a rubber blower-brush. $9.95

AC027. As above with 52-mm diameter ... $9.95

Protective Dust Covers
Protects videocassette recorders from static charges, dirt, dust, smoke, scratches, and humidity. Constructed of a porous 3/16 inch channel-quilted outer fabric and an antistatic, soft-padded inner liner with more than 5,000 perforations to allow for dispersion of heat build-up.

V014. 17 x 11 x 4 in. For convertible videocassette recorders ... $19.95

V015. 21 x 11 x 3 5 in. For two-piece (side-by-side) videocassette recorders. $19.95

REALISTIC

44-1140 Videocassette Rewinder
Rewind or fast-forward VHS tapes. Batters or AC adapter required. $29.95

44-233 Bulk Tape Eraser
Erases Beta, VHS, and all audio tapes ... $29.95

Videocassette Cabinets

44-1199. Two drawers. Holds 24 VCR tapes $29.95

44-1188. One drawer. Holds 10 VCR tapes. $16.95

VCR Head Cleaning Systems
Non-abrasive cleaning systems for heads, capstans, pinch rollers and guides.

44-1185. Automatic VHS cassette system ... $12.95

44-1186. Automatic Beta cassette system ... $12.95

44-1172. Manual system. Includes brush, mirror probe, glove. $9.95

44-1182 Universal VCR Cover
Clear front; static resistant. 7 x 20 x 16 in ... $5.95

Storage Units

44-1198. Video library album (set of three) ... $2.99

44-1197. Smoke-colored videotape racks hold up to 6 tapes each. Two racks for ... $5.99

44-1102. Video module stores up to 6 tapes. $4.99

Videocassette Labels

Package of 10. $1.49

44-1177. For VHS $1.49

44-1178. For Beta $1.49

RECOTON

Video Switchers

V621. 250-ohm two-videotape switcher. $159.95

V312A. Five inputs; two outputs; tape dubbing. $29.99

V352. Five inputs; two outputs; pushbutton switching. $44.95

V341. Three-way VCR-TV 300-ohm selector switch; for three 75-ohm inputs, or two 75-ohm inputs and one 300-ohm input. $16.99

V317. Two-way antenna switch, adhesive backing for mounting on TV ... $18.99

V377. Three-way VCR-TV 75-ohm selector switch to choose 3 different outputs from one source ... $14.99

Videocassette Rewinders

V197. For VHS tapes; senses end of tape with infrared light; fully automatic low-torque DC motor; smoked plastic case; matte-black case; $89.95

V177A. For VHS tapes; low-torque DC motor; dampened eject mechanism; rewind indicator; matte-black plastic; $39.99

V179A. Same as V177A. For Beta tapes ... $29.99

VRC-200 Extra Video Cleaner
Nonabrasive wet system for VHS video recorders; cleans more than 50 times $18.99

Pro Forma Video Head Cleaners
Wet system to clean heads, capstans, and tape path; removes dust and oxides.

V141. For VHS VCR's ... $18.99

V142. For Beta VCR's ... $12.99

Dust Covers for Video Components
Woodgrain vinyl with clear-plastic front panel.

V143. Universal dust cover for Beta, VHS, and three more ... $6.99

V136. Ribbed VCR cover ... $9.99

V136. For VHS and Beta VCR's ... $7.99

V125. For Super Mini VHS portables ... $3.99

V120. For VCR portables ... $3.99

V110. For Beta portables ... $4.99

V114. Economy version of V109 ... $7.49

V124. For Sony SL-2500 ... $2.99

V107. VHS Head Cleaner
Nonabrasive head cleaner for VHS VCR's; cassette slips into VCR; plays for 20 seconds $9.99

V109. Similar to above but for Beta VCR's ... $7.99

V138. VCR head-cleaning solution for above cleaners ... $3.69

Video Maintenance Products

V106A. Videotape eraser ... $69.99

V118. Videotape cleaning kit ... $46.95

V165. Video camera lens-cleaning kit ... $9.99

V163. Deluxe Video Magrecorder maintenance kit ... $9.99

V119. Anti-static TV screen cleaner ... $3.99

V104. VCR maintenance kit ... $1.49

V108. Mageneeds; tape cleaning wands for cleaning VCR's ... $4.19

V101. Video Magic head-cleaning solution ... $3.99

V102. Video Magic wands ... $3.99

V110. VHS labeling kit; 25 labels ... $2.99

V111. Beta labeling kit; 25 labels ... $2.99

UHF/VHF/FM Antennas

All antennas except TV 150 have twelve-position fine-tuning switch, color-coded 300-ohm twin leads; 300/75-ohm transformer, elements are matte black and silver; body is glass black.

TV 550. Control-activated rotating platforms with full 360° rotation; UHF loop antenna with center dish ... $39.99

TV 450. Super high sensitivity antenna with dual-element dipole rods that extend to 25° with more sensitivity than single-element rods of 50°; 90° tilt; directional multi-element Yagi; UHF antenna with 45° tilt and 360° rotation for improved reception in fringe areas ... $34.99

TV 350. For horizontal surface or wall mounting; 31⁄2 inch telescoping elements with 90° single and two-position tilt; dual UHF elements with 90° rotation ... $26.99

TV 250. Directional 36° telescoping VHF rods with 90° tilt; dual vertical parabolic UHF antenna rotates 360° ... $32.99

TV 150. VHF and FM only, two 34° seven-section telescoping VHF rods with 90° tilt ... $12.99

Assorted Accessories

V474. Camcorder car cord ... $24.99

V468-6. 6-ft gold stereo dubbing cable ... $25.99

V130-10. 10-pack storage albums ... $12.99

V144. VHS head cleaner ... $9.99

V147. Beta head cleaner ... $9.99

V448. 10-ft gold VCR connecting cord ... $12.99

V348. 300/75-ohm UHF/VHF adaptor ... $6.99

V349. Portable TV matching transformer ... $3.99

TV5 Gold Cables

TSVG310. 6-ft stereo dubbing cable ... $18.99

TSVG309. 6-ft mono dubbing cable ... $16.99

TSVG303. 25-ft F to F ... $11.49

TSVG307. 6-ft RCA to RCA cable ... $8.49

TSVG302. 12-ft F to F ... $9.49

TSVG301. 6-ft F to F ... $6.49

TSVG300. 3-ft F to F ... $5.49

SAFT

VCR Replacement Battery Packs

RC1209. 12 Volt, 900 Ah Nicad rechargeable replacement battery for RCA and Hitachi portable VCR's ... $54.95

RC1212. 12 Volt, 1.2 Ah Nicad rechargeable replacement battery for JVC and Zenith portable VCR's ... $54.95

RC1220. 12 Volt, 2.0 Ah Nicad rechargeable replacement battery for Panasonic portable VCR's ... $54.95

RC1217. 12 Volt, 1.7 Ah Nicad rechargeable replacement battery for RCA and Hitachi VHS-C camcorders ... $74.95

RC1215. 12 Volt, 1.5 Ah Nicad rechargeable replacement battery for full size VHS portable VCR/camcorders ... $74.95

RC7210. 7.2 Volt, 1.0 Ah Nicad rechargeable replacement battery for Nikon and Olympus portable VCR's ... $59.95

RC6013. 6 Volt, 1.3 Ah Nicad rechargeable replacement battery for 8mm camcorders ... $54.95

RC9614. 9.6 Volt, 1.4 Ah Nicad rechargeable replacement battery for VHS-C camcorders ... $59.95

RC9610. 9.6 Volt, 1.0 Ah Nicad rechargeable replacement battery for full size VHS portable VCR/camcorders ... $69.95

RC9611. 9.6 Volt, 1.1 Ah Nicad rechargeable replacement battery for Sharp VL-C7 VHS-C camcorders ... $69.95

SANSUI

VC-G99 Video Character Generator
Character generator for video tape titling. Features 20 characters per line, 7 lines per title; 124 different characters in four languages ... $250

SANVO

RBU1 Universal Remote Control Transmitter
Programmable infrared remote control uses an 8-bit microprocessor to learn and use the infrared codes from as many as three different remote control products. Features multi-function controls to execute up to 87 functions from a 36-button keypad; pre-programmed to work with current Sansyo components. Uses 4 AA batteries ... $200

SCOTCH

Headcleaning Videocassette
VHS, VHS-C, Beta, headcleaning cassette which uses...
ACCESSORIES

a specially formulated tape with a prerecorded message. Played like a standard videotape. Sensofts heads while playing and prerecorded message is shown on screen when heads are clean. Cassette contains five minutes of cleaning tape. $19.95

Camcorder Care Kit
Designed for use with full size camcorders (T-120 VHS). Contains Scotch prototype video cassette: headcleaning video cassette; re-label tape; lens cleaner. $29.95

SOLIDEX

VM-1088 Camcorder Magic Mike II
Wireless microphone system with built-in background music; two channels; one handheld microphone, one clip microphone; receiver attaches to camcorder; extension bar for video light. $139.95

Aluminum Camcorder Cases
Holds camcorders (VHS-C, Beta, or 8mm), battery charger, tape, and other accessories, with shock-absorbing foam interior, scratch-resistant poly-coated exterior; aluminum-alloy piano hinges; in bronze, silver, or black.
V93. Full-size. $99.95
V95. Midsize. $89.95
V96. Easyac. $79.95

Video Cassette Rewinders
300A. 2-way; for VHS tapes; photocell protection; digital display $59.95
3001A. 2-way; for Beta tapes; infrared sensor; digital display. $59.95
8000A. 2-way; for VHS tapes. $44.95
8001A. 2-way; for Beta tapes. $41.95
828A. 1-way; Videotec; for VHS tapes; LED display. $31.95
828A. 1-way; Videotec; for Beta tapes. $31.95
8281. 1-way; for VHS. $29.95
829. 1-way; for VHS. $29.95

Automatic Cleaning Systems
Wet/dry system with cleaning fluid; nonabrasive tape; auto stop with melody, designed to clean entire tape path. 24-month warranty.
V100. $24.95
V28. $14.95

Tripods
VT-90 Camera Tripod
Fluid panhead tripod features tension adjustment; tilt angle lock; central column camera drop-prevention grip lock. $189.95
VX-12. Optional wheel locks for above. $49.95

VT-88E Camera Tripod
Fluid panhead; ergonomic flip lock; crank gear knob; quick-release mounting and dismounting; central column camera drop-prevention lock. $109.95

VT-1000F Camera Tripod/Monopod
Fluid-loaded, counterbalanced 3-way panhead; built-in monopod inside central column; full-size close channel legs. $89.95

VT-85 Compact Tripod
Fluid compact tripod with 3-way panhead. Quick mount/release unit. $59.95

VT-83. Fluid video monopod. $49.95

Lighting
VL-9201 Magtowel Video Light: DC-operated light with battery and charger. $139.95
VL-9100. AC/DC-power capability light; 150/100W. $109.95
VL-9000. AC light; 150W. $89.95
VL-865. 6Ah battery with charger for portable lights. $89.95

ACCESSORIES

All prices shown are for medium oak finish. Optional finishes: walnut, light or dark oak, stain, black, white, or gray lacquer. Optional cabinet doors: wood framed glass or wood insert, touch-latch glass. Storage drawers: Compact Disc, Cassette, VHS-C/8mm, Video. Increase depth to 20".

SC-9 Video Cabinet
Tambour doors. Sized for up to 27" monitor. Fixed shelf with open storage below. Exterior measurements: 34.5 x 32 in. Model area: 22.75 x 28.25 in. Storage area: 7 x 30.5 in. $320

B-31 Video Cabinet
Open cabinet with two adjustable shelves. Exterior measurements: 25.25 x 20.88 in. $400

B-11 Video Cabinet
Open cabinet for 25" monitor. One adjustable shelf. Exterior measurements: 25.25 x 32 in. Interior measurements: 21.5 x 30.5 in. $312

SV-5 Video Cabinet
Open cabinet with one adjustable shelf. Exterior measurements: 25.25 x 12.5 in. Interior measurements: 21.5 x 22 in. $264

Monitor Swivel (STV)
Ball-bearing swivel for adjusting TV viewing angle. Available in either 22 x 2.25 x 13.38 in or 26 x 2.25 x 15.38 in measurement. $79.95

8mm/VHS-C Tape Holder (SG-8mm)
Dual-sided unit holds 40mm or VHS-C videotapes. 14.88 x 10 x 6.75 in. $79.95

SONY

SB-V1000 Audio/Video Selector
Enables connection of a variety of components to one router. Features 6 inputs/outputs; 3 high-resolution s-video input/output sources; video signal processor loop; bypass circuitry. $700

Video Cleaning Cassettes
V8-25CL. For 8mm machines. $18.95
V25CL. For VHS machines. $13.99
L-25CL. For Beta machines. $13.99

VCR-to-TV Connector Cables
VMC-51MS. Unconnector adaptor cable connects mono VCR to TV's with A/V Unconnector inputs; RCA video and RCA mono audio plugs at one end with miniplug adaptor. Unconnector at other end. $12.99
VMC-920MS. 6-foot A/V cable connects stereo VCR's to stereo monitor/receivers, RCA video and RCA mono audio plugs at both ends. $17.99
VMC-820LS. 6-foot A/V cable connects stereo VCR's to stereo monitor/receivers; RCA video and RCA left and right audio plugs at both ends. $10.99
VMC-610S. Unconnector adaptor cable connects stereo VCR's to TV's with A/V Unconnector inputs; RCA video and RCA stereo audio plugs at one end, Unconnector at other end. $8.99

Antenna Connectors and Adaptors
ANS-32. Antenna switcher for selecting one of two RF input sources. $11.99
EAC-4. Band separate separates incoming 75-ohm VHF/UHF signals. $5.99

EAC-45. Two-way splitter connects two TV's to a VCR from one antenna. $4.99
EAC-24. Quick-connect FJack to 300-ohm twin-lead cable. $3.99
EAC-33. Straight quick-connect F plug for coaxial cable. $3.99

Antenna Cables
CD-4. 9.8-foot 75-ohm coaxial cable with F connectors. $6.99
CD-2. 5-foot 75-ohm coaxial cable with F connectors. $4.99

SOUND DESIGN

WC303EP Entertainment Center
TV compartment with adjustable shelf to accommodate up to 26" TV; safety glass doors on audio component area with two adjustable shelves; two storage drawers; open space under TV with adjustable shelf. 48.5 x 49 x 16.5 in. $129.95

WC221FP TV Cabinet with Removable Speakers
Walnut-finish TV stand with removable speakers for connection to external speaker outputs on TV; accommodates TV's up to 26"; VCR shelf and accessory compartment behind safety-glass doors; casters. 21 x 36.5 x 15.88 in. $99.95

WC321TFF. As above, built-in speakers. $99.95

WC300T TV/VCR Center
Oak-finish cabinet can accommodate 26" TV, adjustable shelf for VCR can be installed when using 19-20" inch set; storage space below TV area with adjustable shelf for VCR and accessories is enclosed by safety-glass doors. 48 x 29.5 x 18 in. $69.95

WC207TP TV Stand
Walnut-finish TV stand with swivel base accommodates up to 26" TV; features pull-out VCR shelf; accessory drawer. 20 x 27.5 x 15.75 in. $49.95

SPECTRALSTAR

3.5x Telephoto Video Lens
250% increase in magnification in the telephoto range; high resolution glass optics; 6 elements/4 groups. Rear lens mount 49 mm; 46, 49, 52 mm adaptor rings included. 11 oz. $359.95

3.5x Telephoto Mirror Lens
Compact lens design increases magnification 250%. High-resolution glass optics and 2 coated mirrors; 9 element/9 group; construction; built-in natural density filter. Rear lens mount 52 mm; 46, 49 mm adaptor rings included. 5 oz. $359.95

2.5x Telephoto Lens
150% increase in magnification in the telephoto range; 7 elements/6 groups. Rear lens mount 52 mm; 46, 49, 52 mm adaptor rings included. 11 oz. $359.95

SOUND DESIGN

WC303EP Entertainment Center
TV compartment with adjustable shelf to accommodate up to 26" TV; safety glass doors on audio component area with two adjustable shelves; two storage drawers; open space under TV with adjustable shelf. 48.5 x 49 x 16.5 in. $129.95

WC221FP TV Cabinet with Removable Speakers
Walnut-finish TV stand with removable speakers for connection to external speaker outputs on TV; accommodates TV's up to 26"; VCR shelf and accessory compartment behind safety-glass doors; casters. 21 x 36.5 x 15.88 in. $99.95

WC321TFF. As above, built-in speakers. $99.95

WC300T TV/VCR Center
Oak-finish cabinet can accommodate 26" TV, adjustable shelf for VCR can be installed when using 19-20" inch set; storage space below TV area with adjustable shelf for VCR and accessories is enclosed by safety-glass doors. 48 x 29.5 x 18 in. $69.95

WC207TP TV Stand
Walnut-finish TV stand with swivel base accommodates up to 26" TV; features pull-out VCR shelf; accessory drawer. 20 x 27.5 x 15.75 in. $49.95

SPECTRALSTAR

3.5x Telephoto Video Lens
250% increase in magnification in the telephoto range; high resolution glass optics; 6 elements/4 groups. Rear lens mount 49 mm; 46, 49, 52 mm adaptor rings included. 11 oz. $359.95

3.5x Telephoto Mirror Lens
Compact lens design increases magnification 250%. High-resolution glass optics and 2 coated mirrors; 9 element/9 group; construction; built-in natural density filter. Rear lens mount 52 mm; 46, 49 mm adaptor rings included. 5 oz. $359.95

2.5x Telephoto Lens
150% increase in magnification in the telephoto range; 7 elements/6 groups. Rear lens mount 52 mm; 46, 49, 52 mm adaptor rings included. 11 oz. $359.95

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ACCESSORIES

range; high-resolution glass optics; 6 elements/4 groups. Rear lens mount 49 mm; 46, 49, 52 mm adaptor rings included. 8 oz. $289.95

1.5x Telephoto Lens
50% increase in magnification in the telephoto range; high-resolution glass optics; 3 elements/3 groups. Rear lens mount 52 mm; 46, 49, 52 mm adaptor rings included. 6 oz. $159.95

1.6x Telephoto Lens
60% increase in magnification in the telephoto range; high-resolution glass optics; 3 elements/3 groups. Rear lens mount 49 mm; 46, 52 mm adaptor rings included. 3.5 oz. $84.95

2x Telephoto Lens
100% increase in magnification in the telephoto range; high-resolution glass optics; 3 elements/3 groups. Double rear lens mount series 7 and 46 mm; 49, 52, 58 mm adaptor rings included. approx. 6 oz. $169.95

1.4/0.57 Lens Set
Two-lens package with a 1.4x tele and a .57x wide-angle lens; high-resolution glass optics; 3 element/3 group construction (tele), 2 element/2 group (wide). Double rear lens mount series 7 and 46 mm; 49, 52, 58 mm adaptor rings included. 9 oz. $79.95

Hemispheric Lens
Increases wide angle field of view almost 3 times; operates in the macro range; high-resolution glass optics; I element/I group. Rear lens mount 58 mm; 49, 52, 58 mm adaptor rings included. 6 oz. $139.95

Super-Wide Semi-Fisheye Lens
60% increase in wide-angle field of view with fisheye effect; glass optics; 3 element/3 group construction. Series 7 rear lens mount. 49, 58 mm adaptor rings included. $109.95

Two-in-One Lens
Mounted one way acts as a telephoto lens, reversed acts as a wide-angle lens; glass optics; 4 element/4 group construction. Rear lens mount 52 mm; 46, 49, 52 mm adaptor rings included. 4 oz. $119.95

.42x Wide-Angle Lens
60% increase in the wide angle field of view; glass optics; 4 elements/4 groups. Rear lens mount 46 mm; 49, 52 mm adaptor rings included. 4 oz. $89.95

.52x Wide-Angle Lens
50% increase in wide angle field of view; glass optics; 3 element/3 groups. Rear lens mount 49 mm; 46, 52 mm adaptor rings included. 3.5 oz. $84.95

1.7x One-Touch Telephoto Lens
Designed to snap onto front of JVC VHS-C camcorders. $79.95

0.6x One-Touch Telephoto Lens
Designed to snap onto front of JVC VHS-C camcorder. $79.95

Video Slide Copier
Transfers slides onto videotapes; glass optics; 2 element/2 groups. $129.95

Video Lens Adapters
Series VII to 40mm $4.99
Series VII to 48mm $4.99
Series VII to 49mm $4.99
Series VII to 52mm $4.99
Series VII to 55mm $4.99
Series VII to 58mm $4.99

40mm-49mm $4.99
46mm-52mm $4.99
46mm-58mm $4.99
49mm-52mm $4.99
49mm-58mm $4.99
52mm-49mm $4.99
52mm-58mm $4.99
55mm-52mm $4.99
55mm-58mm $4.99
58mm-52mm $4.99
58mm-49mm $4.99

STRaightWire

PP -8 AC Line Conditioner
1800-watt capacity AC line filter. Features two isolated sets of four grounded AC outlets to minimize component interaction. 90-130 VAC single-phase operating range. $495

Video Link Connection Cables
Video connection cable uses a controlled impedance design to eliminate line-reflection problems; gold phone plugs. 3-meter length $34, 1.5-meter length $25, $6 each additional meter.

SUNPAK

Sunpak CV-300 Video Light
Slip-on shoe-mounting video light for camcorder mounting. Covers 20° field, 26° with diffuser. 30 watt, 12-volt halogen bulb operates for 24 minutes with CL-5 rechargeable battery (14 minutes with CL-8).

Includes charger for CL-5 in 8 hours (CL-8 in 5 hours). $230

CV-320. As above with 20-watt bulb $190

Sunpak CV-150 Video Light
Slip-on Shoe-mounting video light for camcorder mounting. Covers 20° field, 26° with diffuser. 20 watt 6.2-volt halogen bulb operates for 20 minutes with CL-6 rechargeable battery. Includes charger to recharge CL-6 in 8 hours $150

TDK

Videocassette Recorder Head Cleaners
Nonabrasive head-cleaning cassettes for VHS-format videocassette recorders. Cleans video and audio heads in 30 seconds and can be used up to 200 times. TCI-11. VHS format (dry type) $10

TCW-11. VHS format (wet type) $15

VCL-11. VHS-C format (dry type) $12

TENBA

V-Ski Pak
Padded bag for carrying camcorder while skiing. Shock-insulated with 0.38-inch-thick emboraze foam; pockets for tape, batteries, ski wax, edge sharpener, extra room for sweater and rain gear; automatically curved shoulder straps. 2.25 lb. $190

V8 Camcorder Bag
For 8mm camcorders. 1.3 x 5 x 7 in. 1 lb. 7 oz. $70

VH-F Electrode-built, Panasonic, Canon, JVC, and Curtis Mathes VHS camcorders. 15.25 x 9.5 x 5.5 in. $100

Video Bags
All video bags feature nonabrasive Protek Cloth; welded D-rings; closed-cell polyethylene waterproof foam; wood bottom; 800 lbs. test strap; black with blue accents.

TV1. 12 x 6 x 5.5 in. $110
TV2. 12.5 x 8.5 x 6 in. $100
TV3. 18 x 10.5 x 7 in. $110

Traveler video bags feature Protek cloth; double-top system; quick-action roll top; zippered closings; saddle leather accents

TV10. 18 x 10.5 x 7 in. $129
TV18. 13.5 x 8.5 x 6 in. $119
TV19. 12 x 6.5 x 5.5 in. $109

3M

Black Watch VHS-C Head Cleaner
Magnetic tape with cleaning agents built-in. Pre-recorded message and audible tone indicates completion of cleaning. Good for over 400 uses. $20

Tiffen

Tiffen MCS Magnetic Filter System
Filters and accessories attach to lens with magnetic ring.

MCS Starter Set
Includes magnetic base ring; half-moon multiple exposure plate; vignette holder with 5 vignetting masks, 3 frosted center-spot masks and 3 clear masks; lens cover; dynamic-symmetry composition grid; cordura pouch; 34-page instruction manual. Attaches to lens with 77-mm accessory ring (for smaller lenses use step-up ring).

Step-up rings. Sized from 49 to 72 mm $14.50
Base plate/lens cover set. Contains base plate; lens cover; MCS manual $24.50

Vignetting set. Contains vignette holder, 14 assorted vignetting special effects masks, and MCS manual $24.50

MCS Standard Filters
Green 1; Haze 2A; ND 0.8; Orange 1B; Red 25A; Yellow 2; FL-D; 80A; 81A; 65; 81B; $30/ea

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ACCESSORIES

MCS Special-Effects Filters
Center spot ...........................................$35
Color grad blue ....................................... $30
Color grad ND 0.6 ..................................... $30
Color grad red ......................................... $30
Color grad sunset ...................................... $30
Double fog 3 ...........................................$35
Low contrast ...........................................$35
Softnet ................................................... $35
Softnet black 2 ......................................... $35
Softnet black 4 ......................................... $35
Softnet red 2 ........................................... $35
Softnet red 4 ........................................... $35
Softnet skin tone 2 ...................................... $35
Softnet skin tone 4 ...................................... $35
Softnet white 2 ......................................... $35
Star 4-point 2 mm ...................................... $35
Star 5-point 2 mm ...................................... $35

Video Twin Filter Pack
Contains clear filter to protect lens without image alteration and neutral-density filter for low-light video cameras. Cordura case, in sizes from 46.77 mm ...$25.25-$63.75

"Which Filter Should I Use?" Videotape
38-minute VHS videotape describes filters and their use. Covers different types of filters: fog, double fog, diffusions, corals, sepia, color graduates, polarizers, enhancers, low and soft contrast effects, star effects, etc. Comes with 6-page companion booklet ...$25

Video Filters
Center spot. Diffuses distracting backgrounds, while permitting the center of the scene to remain sharp. (49-77 mm) ...$19.25-$51.25
Clear. Protects the front element of your lens. (39-82 mm) ...$9.50-$48.00
Close-up Lens. Increases the close-up capabilities of your video lens, set containing +1, +2, +4. 40.5-72 mm) ...$36.75-$115.50
Color grad. Controls color or light intensity of half your scene. (49-77 mm) ...$15.25-$29.50
Low Contrast. Reduces the harsh look of intense lighting by turning high-contrast video into the look of film. Lightens shadow areas, allowing more detail. (49-77 mm) ...$15.25-$48.00
Soft Contrast. Maintains dark shadows while diminishing highlights. (49-77 mm) ...$15.25-$48.00
Diffusion. Creates dream-like effects that soften images and lessen detail. Available in sizes from 49 to 77 mm. 49-77 mm) ...$19.25-$49.95
Double Fog. Creates the mood and look of fog. (49-77 mm) ...$15.25-$48.00
Fog. Produces a misty effect that softens images and flares harsh lighting. (49-77 mm) ...$12.50-$30.75
812. Warms up skin tones. Makes people's complexion appear more natural. (39-82 mm) ...$10.50-$48.00
FL-D. Reduces greenish cast from fluorescent lighting, while improving color and skintones. (43-82 mm) ...$16.66-$75.00
Haze 2A. Reduces haze in outdoor scenes. For distant shooting: mountain, marine, aerial. (39-82 mm) ...$10.50-$48.00
Multi-image lenses. Create multiple images of the same subject. Available in several configurations. (49-77 mm) ...$45.10-$109.50

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 106.

Neutral Density. Reduces harsh lighting without affecting contrast or color. (39-82 mm) ...$10.50-$48.00
Polarizer. Saturates colors, reduces glare and reflections. Darkens skies. (40.5-82 mm) ...$20.50-$80.50
Sepia. Adds golden-brown look to scenes, while giving images a turn-of-the-century look. (49-77 mm) ...$15.46
Softnet. Softens scenes without affecting image sharpness. Minimizes wrinkles and blemishes. In black, white, skintone, red. (49-77 mm) ...$15.46

STAR-100 SoundsRight
Stereo mixer with audio/video fade combines up to 3 sources of sound, stereo or mono. Auto fade of video, sound, or both ...$1.30

SRT-100 SoundsRight
Stereo mixer with audio/video fade combines up to 3 sources of sound, stereo or mono. Auto fade of video, sound, or both ...$1.30

LC 1565 Lens Set
Set includes telephoto and wide-angle lenses, adapter rings, and carrying case; compact lenses designed for use with newest camcorders ...$125

VC-16 Power Supply/Charger
Compact, high-regulated unit operates most camcorders and portable video equipment ...$70

LC-750 Headphone System
 Includes wireless transmission system, power supply, and adapters ...$110

CMH-100. As above except mono ...$70

VM501. For Beta
Wet-type VCR head cleaner. For VHS
VM500 VHS Video Head Cleaner
VM785. Video control center; same as VM795, but lacks amplifier ...$105.40
VM785. Amplified video switcher, 6 source inputs/ 3 outputs ...$81.50
VM795. Video control center ...$140.60
VM795. Video control center, same as VM795, but lacks amplifier ...$105.40
VM795. Video control center ...$154.60
VM1010. 10dB VHF/UHF signal amplifier for VB05RC only ...$28.85

V501 VHS VCR Starter Kit
Includes wet-type head cleaner, 1 6-foot and two 3-foot coaxial cables, A/B selector switch, 2-for-1 splitter, 75-to-300 ohm matching transformer, VCR dust cover ...$55.50

V511. For Beta ...$55.50

V500 VHS Video Head Cleaner
Wet/moist VCR head cleaner. For VHS ...$14.05

V501. For Beta ...$14.05

ZENITH

PCC Multi-Brand Remote Control
Remote control is preprogrammed to control functions of more than 30 color TV brands, about 30 VCR brands, and 8 cable converters. Remote does not have to learn the infrared command codes, instead a series of internal switches are set. Functions: TV on/off, volume, audio mute, channel selection, flash-back, and enter. VCR on/off, channel selection, stop, record play, pause, fast forward, rewind, and TV/VCR/CATV on/off, channel selection, and volume control ...$60
<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Address</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acoustic Research</td>
<td>330 Turnpike St. Canton, MA 02021</td>
<td>617-821-2300</td>
</tr>
<tr>
<td>Akai</td>
<td>225 Old New Brunswick Rd. Piscataway, NJ 08854</td>
<td>201-562-8500</td>
</tr>
<tr>
<td>Allsop</td>
<td>700 Meridian St. P.O. Box 23 Bellingham, WA 98227</td>
<td>206-734-9090</td>
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<tr>
<td>Ambico</td>
<td>50 Maple St., Norwood, NJ 07648</td>
<td>201-767-4100</td>
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<tr>
<td>Arista</td>
<td>125 Commerce Dr. Hauppauge, NY 11788</td>
<td>516-435-0200</td>
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<tr>
<td>Audio Control</td>
<td>22313 70th Ave. W. Mountlake Terrace, WA 206-775-8461</td>
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<tr>
<td>Audio Design Associates</td>
<td>602-610 Mamaroneck Ave. White Plains, NY 10605</td>
<td>914-946-9595</td>
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<tr>
<td>Audio-Techica</td>
<td>1221 Commerce Dr., Stow, OH 44224</td>
<td>216-686-2600</td>
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<tr>
<td>Avanti</td>
<td>8855 N. W. 23rd St. Miami, FL 33172</td>
<td>305-392-7830</td>
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<tr>
<td>Azden</td>
<td>147 New Hyde Park Rd. Franklin Square, NY 11010</td>
<td>516-328-7500</td>
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<td>BASF</td>
<td>Crosby Dr., Bedford, MA 01730</td>
<td>617-271-4000</td>
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<td>Bib Audio/Video Products</td>
<td>P.O. Box 27682 Denver, CO 80227</td>
<td>303-972-0410</td>
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<tr>
<td>Bose</td>
<td>The Mountain Framingham, MA 01701</td>
<td>508-879-7330</td>
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<tr>
<td>Boston Acoustics</td>
<td>247 Lynnfield St. Peabody, MA 01960</td>
<td>508-532-2111</td>
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<tr>
<td>BP Electronics</td>
<td>260 Motor Parkway Hauppauge, NY 11788</td>
<td>516-435-8777</td>
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<tr>
<td>Brevoford</td>
<td>9715 Soreng Ave. Schiller Park, IL 60176</td>
<td>312-678-2545</td>
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<tr>
<td>Bush Industries</td>
<td>One Mason Dr., P.O. Box 460 Jamesstown, NY 14702-0460 800-228-BUSH; NY: 800-248-BUSH</td>
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<tr>
<td>Calrad Electronics</td>
<td>819 N. Highland Ave. Hollywood, CA 90038</td>
<td>213-465-2131</td>
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<tr>
<td>Canon</td>
<td>One Canon Plaza Lake Success, NY 11042-1113</td>
<td>516-488-6700</td>
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<tr>
<td>Carpenter-Craft</td>
<td>P.O. Box 5185 Rockford, IL 61125</td>
<td>815-967-2100</td>
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<tr>
<td>Chinon America</td>
<td>43 Fadem Rd. Springfield, NJ 07081</td>
<td>201-376-9260</td>
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<tr>
<td>Coaster</td>
<td>118 Pearl St. Mt. Vernon, NY 10550</td>
<td>212-324-4656</td>
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<tr>
<td>Custom Woodwork &amp; Design(CWD)</td>
<td>520 W. 73rd St. Bedford Park, IL 60638</td>
<td>312-563-1745</td>
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<tr>
<td>Design Acoustics</td>
<td>1223 Commerce Dr., Stow, OH 44224</td>
<td>216-686-2600</td>
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<tr>
<td>Discwasher</td>
<td>4310 Transworld Rd. Schiller Park, IL 60176</td>
<td>312-678-9600</td>
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<tr>
<td>R.L. Drake Company</td>
<td>P.O. Box 112, Miamiusgh, OH 45342</td>
<td>513-866-2421</td>
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<tr>
<td>Elmar Plastics</td>
<td>840 E. Walnut St., Carson, CA 90746</td>
<td>213-327-3180</td>
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<tr>
<td>Emerson</td>
<td>One Emerson Lane N. Bergen, NJ 07047</td>
<td>201-854-6600</td>
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<tr>
<td>Fineline Distributing</td>
<td>P.O. Box 90 Londonerry, NH 03053-0090</td>
<td>603-432-6716</td>
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<tr>
<td>Fisher</td>
<td>21340 Lassen St. Chatsworth, CA 91311</td>
<td>818-998-7322</td>
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<tr>
<td>Fosgate/Audionics</td>
<td>P.O. Box 70 Heber City, UT 84032</td>
<td>801-654-4046</td>
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<tr>
<td>Fuji Photo Film USA</td>
<td>555 Taxter Rd. Elmsford, NY 10523</td>
<td>914-789-8100</td>
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<tr>
<td>GE Consumer Electronics</td>
<td>600 N. Sherman Dr. Indianapolis, IN 46201</td>
<td>317-267-3000</td>
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<tr>
<td>Geneva Group</td>
<td>9901 S. Shore Dr. Plymouth, MN 55441</td>
<td>612-546-5620</td>
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<tr>
<td>GoldStar</td>
<td>1050 Wall St. W. Lyndhurst, NJ 07071</td>
<td>201-460-8870</td>
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<tr>
<td>Grundig by Lextronix</td>
<td>3520 Haven Ave., Unit L Redwood City, CA 94063</td>
<td>415-361-1611</td>
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<tr>
<td>Gusdorf</td>
<td>1140 Lackland Rd. St. Louis, MO 63146</td>
<td>314-567-5249</td>
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<tr>
<td>Harman Kardon</td>
<td>240 Crossways Park W. Woodbury, NY 11797</td>
<td>516-496-3400</td>
</tr>
<tr>
<td>Company</td>
<td>Address</td>
<td>Phone Number</td>
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<tr>
<td>Heathkit</td>
<td>Hilltop Rd., St. Joseph, MI 49085</td>
<td>810-253-0570</td>
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<td>Hitachi</td>
<td>401 W. Artesia Blvd., Compton, CA 90220</td>
<td>213-537-8383</td>
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<tr>
<td>Hollywood Make-A-Movie</td>
<td>P.O. Box 4986, 1314 Hooper Ave., Toms River, NJ 08753</td>
<td>201-240-0600</td>
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<tr>
<td>Infinity Systems</td>
<td>9409 Owensmouth, Chatsworth, CA 91311</td>
<td>818-709-9400</td>
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<tr>
<td>Innovative Concepts</td>
<td>1705 Junction Ct., Suite 160, San Jose, CA 95112-1023</td>
<td>408-436-1777</td>
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<tr>
<td>Instant Replay</td>
<td>2951 S. Bayshore Dr., 8th Fl., Coconut Grove, FL 33133</td>
<td>305-448-7088</td>
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<td>Intraclean by A.R.T.</td>
<td>4505-21 Industrial St., Simi Valley, CA 93063</td>
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<td>JVC</td>
<td>41 Slater Dr., Elwood Park, NJ 07407</td>
<td>201-794-3900</td>
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<td>Kalimar</td>
<td>622 Goddard Ave., Chesterfield, MO 63005</td>
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<td>Kenwood</td>
<td>2201 E. Dominguez St., Long Beach, CA 90810</td>
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<td>Kodak</td>
<td>343 State St., Rochester, NY 14650</td>
<td>716-724-4000</td>
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<td>Kolon Scena</td>
<td>180 Passaic Ave., Fairfield, NJ 07006</td>
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<td>Konica</td>
<td>440 Sylvan Ave., Englewood Cliffs, NJ 07632</td>
<td>201-568-3100</td>
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<td>Koss</td>
<td>4129 N. Port Washington Ave., Milwaukee, WI 53212</td>
<td>414-964-5000</td>
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<td>Kramer by Kratke Corp.</td>
<td>P.O. Box 382, Westbury, NY 11590</td>
<td>718-953-8191</td>
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<td>Laser by Swire Magnetics</td>
<td>301 E. Aldonra Blvd., Garden, CA 90248</td>
<td>213-515-0494</td>
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<td>Leslie Dame Enterprises</td>
<td>11-20 73rd Ave., Forest Hills, NY 11375</td>
<td>718-261-4919</td>
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<td>Lexicon</td>
<td>100 Beaver St., Waltham, MA 02154</td>
<td>617-891-6790</td>
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<td>Lord's Electronics</td>
<td>200 Clearsview Rd., Edison, NJ 08818</td>
<td>201-225-2030</td>
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<td>Magnavox</td>
<td>1-40 &amp; Straw Plains Pike, P.O. Box 14810</td>
<td>Knoxville, TN 37914-1810</td>
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<td>Marantz</td>
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<td>Maxell</td>
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<td>Memorex by Memtek</td>
<td>P.O. Box 90102, Ft. Worth, TX 76102</td>
<td>817-878-6780</td>
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<td>Minolta</td>
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<td>Mitsubishi</td>
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<td>Mogami by Marshall Electronics</td>
<td>P.O. Box 2027, Culver City, CA 90230</td>
<td>213-390-6608</td>
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<td>Montgomery Ward</td>
<td>619 W. Chicago Ave., Chicago, IL 60610</td>
<td>312-467-7573</td>
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<td>MultiVision</td>
<td>300 Technology Circle, Scots Valley, CA 95066</td>
<td>408-438-4885</td>
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<td>575 University Ave., Norwood, MA 02062</td>
<td>617-762-0202</td>
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<td>Nady Systems</td>
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<td>NEC</td>
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<td>Nikon</td>
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<td>Niles Audio</td>
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<td>1900 Gulf St., Lamar, MO 64759</td>
<td>417-682-3322</td>
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<td>Packtronics</td>
<td>7200 Huron River Dr., Dexter, MI 48130</td>
<td>313-426-4646</td>
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<tr>
<td>Panasonic</td>
<td>One Panasonic Way, Secaucus, NJ 07094</td>
<td>201-348-7000</td>
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<tr>
<td>Pentax Corporation</td>
<td>35 Inverness Drive East, Englewood, CO 80112</td>
<td>303-799-8000</td>
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<td>Philco</td>
<td>1-40 &amp; Straw Plains Pike, P.O. Box 14810</td>
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<td>Photo Systems/Hama/Osram/Spectralstar</td>
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<td>2265 E. 220th St., Long Beach, CA 90801-1720</td>
<td>213-833-6177</td>
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<td>Polaroid</td>
<td>549 Technology Square, Cambridge, MA 02139</td>
<td>617-577-2000</td>
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<td>Polk Audio</td>
<td>5601 Metro Dr., Baltimore, MD 21215</td>
<td>301-338-3600</td>
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<td>Portavideo</td>
<td>1930 W. 3rd St., P.O. Box 22130</td>
<td>Tempe, AZ 85282</td>
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<tr>
<td>Proton</td>
<td>737 W. Artesia Blvd., Compton, CA 90220</td>
<td>800-772-0172; CA: 800-428-1006</td>
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<tr>
<td>Quasar</td>
<td>1325 Pratt Blvd., Elk Grove Village, IL 60007</td>
<td>312-228-6366</td>
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<td>Company</td>
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<td>Rabbit Systems</td>
<td>100 Wilshire Blvd., Suite 600, Santa Monica, CA 90401</td>
<td>213-393-9830</td>
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<td>The Rack Factory</td>
<td>P.O. Box 7350, San Antonio, TX 78207</td>
<td>512-227-7734</td>
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<td>RCA</td>
<td>600 N. Sherman Dr., Indianapolis, IN 46201</td>
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<td>Realistic by Radio Shack</td>
<td>1300 One Tandy Center, Fort Worth, TX 76102</td>
<td>817-878-4852</td>
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<td>46-23 Crane St., Long Island City, NY 11101</td>
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<td>Ricoh Corporation</td>
<td>5 Dedrick Pl., West Caldwell, NJ 07006</td>
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<td>Samsung</td>
<td>301 Mayhill St., Saddle Brook, NJ 07662</td>
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<td>Shintom</td>
<td>20435 South Western Ave., Torrance, CA 90501</td>
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<td>Shure</td>
<td>222 Hartrey Ave., Evanston, IL 60202-3696</td>
<td>800-257-4873</td>
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<td>SkC</td>
<td>850 Clark Dr., Mount Olive, NJ 07828</td>
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<td>Sunrise Cabinet Systems</td>
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<td>Sony</td>
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<td>Harbourside Financial Ctr., Jersey City, NJ 07302</td>
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<td>Saangyoung</td>
<td>601 16th St., Carlstadt, NJ 07072</td>
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<td>Straight Wire</td>
<td>1909 Harrison St., Suite 208, Hollywood, FL 33020</td>
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<td>Symphonic by Funai</td>
<td>100 North St., Teterboro, NJ 07608</td>
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<td>Tamron Industries</td>
<td>99 Searview Blvd., Port Washington, NY 11050</td>
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<td>2850 El Presidio St., Long Beach, CA 90810</td>
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<td>Taylor</td>
<td>1201 W. Isabel St., Burbank, CA 91506</td>
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<td>12 Harbor Park Dr., Port Washington, NY 11050</td>
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<td>503 Broadway, New York, NY 10012</td>
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<td>Tera, Inc.</td>
<td>209 W. Central St., Suite 211, Natick, MA 01760</td>
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<td>90 Oser Ave., Hauppauge, NY 11788</td>
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<td>Toshiba</td>
<td>82 Totowa Rd., Wayne, NJ 07470</td>
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<td>Tree Dimensions</td>
<td>P.O. Box 609, Boone, NC 28607</td>
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<td>VDO-PAK</td>
<td>0704 S.W. Banerco, Portland, OR 97201</td>
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<td>Vector Research</td>
<td>1230 Calle Suerte, Camarillo, CA 93010</td>
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<td>Velbon International Corporation</td>
<td>2433 Moreno St., Torrance, CA 90050-5393</td>
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<td>Video Master by Lance Industries</td>
<td>13001 Bradley Ave., P.O. Box 4156, Sylmar, CA 91342</td>
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<td>Videonics</td>
<td>1129 Dell Ave., Campbell, CA 95008-6611</td>
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<td>Yashica</td>
<td>100 Randolph Rd., Suite 405, Somerset, NJ 08875</td>
<td>201-560-0060</td>
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<td>Zenith</td>
<td>1000 Milwaukee Ave., Glenview, IL 60025</td>
<td>312-391-8181</td>
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</table>
AM (amplitude modulation): A method of adding a signal to the carrier signal by varying the carrier's amplitude; used in broadcasting the picture portion of television signals.

automatic image stabilizer: A new feature of high-end camcorders; a servo mechanism "floats" the lens to compensate for camera movement.

auto-focus: A common camcorder feature that focuses the camera lens automatically.

audio dubbing: The replacement of the soundtrack originally recorded on a videotape's mono track with another soundtrack.

beta: A videocassette format developed by Sony in 1975. It uses half-inch tape contained in cassettes that are slightly smaller than VHS videocassettes.

Betamovie: The name for first-generation Beta-format camcorders, which use standard Beta cassettes.

cable-ready, cable-compatible: Terms used for a TV or VCR that is capable of receiving all channels offered by cable TV—including midband and superband channels—without a converter box that is supplied by the cable company.

camcorder: A component that combines a video camera and a video recorder in one unit. Camcorders are available in every format; the lightest, hand-held models weigh less than 2 pounds, while heavier, shoulder-rest models weigh as much as 7 or 8 pounds.

carrier: A high-frequency signal used to transport (carry) additional signals, which are isolated from one another to reduce interference.

CDV (compact disc video): A medium storing 5 minutes of video with digital audio, plus 20 minutes of digital audio, on a compact disc.

channel block: A feature found on some TV's that allows users to affix security codes to certain channels; typically used by parents to prevent children from viewing "adult" channels. Channels are blocked and unblocked using the TV set's wireless remote control.

channel lock: A VCR feature that locks in the channel being recorded to prevent accidental channel switching.

character generator: A device used to add dates, titles, and subtitles to home video recordings. It is available as a built-in feature on some high-end camcorders and as a separate video component, often combined with a video editing console.

chrominance: A signal that carries the color information needed to produce a color picture; it is added to the luminance signal.

comb filter: A circuit used in some TV's to improve separation of the luminance and chrominance signals, which results in a sharper picture.

component TV: A videophile system that consists of separate, high-quality components: a video tuner for receiving and switching channels, a video monitor for displaying received channels, and shielded speakers. Its popularity has waned with the advent of high-quality monitor/receivers.

convergence: A specification that rates how well the three scanning electron beams used to produce a color television picture are aligned; misaligned beams degrade the quality of the picture.

cx (compatible expansion): A compression-type audio noise-reduction system used in the manufacture of some laser videodiscs. Loud portions of the soundtrack are encoded softer and soft portions louder; the process is reversed during playback.

dbx: In video, the noise-reduction system used by MTS/SAP stereo-TV decoders, which takes the compressed audio signal that is broadcast and expands the signal to its original dynamic range.

Dolby: An audio noise-reduction system used on some earlier model VCR's to reduce noise on the linear-stereo track.

dropout: Video noise ranging from horizontal streaks to a momentary absence of the picture; caused by damaged or dirty tapes.

8mm: A videocassette format using tape that is 8 millimeters wide (about ¼ inch).

ED (extended definition) Beta: A refined version of the Beta format that delivers about 500 lines of horizontal resolution.

EP (extended play): See SLP.

field: One-half of a conventional television picture. Two fields are interlaced to form one frame (one complete picture).

FM (frequency modulation): A method of adding a signal to the carrier signal by changing the carrier's frequency; used in broadcasting the audio portion of television signals.

footlambert: A measurement of light that is emitted or reflected from a surface. Used to rate the brightness of projection TV sets; the higher the rat-
ing, the brighter the picture. A rating of more than 300 footlamberts is considered very good in rear-projection televisions.

frame: A complete television image consisting of two fields; the American NTSC broadcast system scans 30 frames per second.

frame advance: A special-effects feature found on VCR’s, used to scan a tape frame by frame.

freeze frame: A VCR special effect that stops on-screen action and “freezes” a video frame.

ghosting: A TV reception problem that occurs when the antenna picks up the original TV signal along with duplicate signals that are reflected by tall buildings and other similar obstacles. The result is multiple images, which are most noticeable around the edges of objects.

HDTV (high-definition television): A future TV system that will produce motion-picture-quality video in the home.

hi-fi: In video, the hi-fi designation with Beta- or VHS-format VCR’s refers to high-quality stereo sound with specs that fall just short of those for a compact disc player.

horizontal resolution: A rating of the fine detail of a TV picture; it is measured in lines. The more lines, the higher the resolution and the better the picture. A standard VCR produces 240 lines of horizontal resolution, while about 430 lines are possible with Super VHS machines; a standard TV displays 330 lines.

interlace scanning: A scanning process used in most television sets in which odd- and even-numbered lines of a picture are transmitted consecutively as two separate fields and superimposed to create one frame or complete picture on the TV screen.

LaserDisc: Pioneer’s trademark for its videodiscs. (See videodiscs.)

linear stereo: An early method of improving VCR sound that has largely been replaced by the more sophisticated— and better sounding— hi-fi technique; also called Dolby stereo.

LP (long play): The middle record/play speed for VHS-format VCR’s, providing average picture quality.

lumen (lm): A specification that rates the amount of light output measured at the light source.

luminance: The part of a broadcast TV signal that causes a television’s circuitry to vary light intensity from white to black with many shades of gray in between. This signal alone creates the picture on a black-and-white TV set; a color picture is produced when a chrominance signal is added to the luminance signal.

lux: A unit of measurement used to rate the amount of light needed by a video camera or camcorder to record a recognizable image; the lower the spec, the better. Although ratings are typically given in the 7- to 15-lux range, most video cameras and camcorders require over 100 lux to produce a bright, good-quality picture.

macro: A close-up lens found on camcorders that is accessed by pushing a button.

monitor: A separate video component that houses a picture tube and its accompanying electronics; it must be connected to a video tuner, VCR, or computer to display images.

monitor/receiver: A video monitor with a built-in video tuner and at least one speaker; it usually has RCA-type video inputs and outputs for connection to a VCR, videodisc player, and other audio- and video-based components, avoiding the need for signal-degrading conversion of standard RF (antenna) signals.

MTS/SAP (multichannel television sound/separate audio program): A process used for decoding the audio portion of stereo TV broadcasts (MTS) and an additional, mono audio tracks (SAP), developed by Zenith and dbx. Some VCR’s and TV sets have MTS/SAP decoders built into them; others have MTS/SAP jacks on their back panels for connection of outboard decoders. Most broadcasters rarely use SAP.

noninterlace scanning: A digital-based process used in some newer, high-end television sets to produce a sharper picture; transmits lines in sequence rather than alternating between odd- and even-numbered lines.

NTSC (National Television Standards Committee): The name for the standard television broadcasting system used in the United States; it produces 330 lines of horizontal resolution on the TV screen.

PAL (phase alternation by line): The name for the television broadcasting system used in parts of Europe.

programming: A feature found on all VCR’s that allows the user to set an internal timer for unattended recording. A VCR can be set to record from one or several channels and on one or several days; average VCR’s can be programmed to record from two to eight shows over a period of seven to twenty-one days, and more expensive VCR’s can be programmed using the unit’s wireless remote control as instructed by on-screen displays or using light pens and bar-codes or other similar systems.

projection TV: A large-screen television that uses a special optical apparatus to project images onto a screen or wall. Screen sizes of the more common rear-projection sets range from 36 to 60 inches.

RF (radio frequency): Frequencies over 10,000 Hz.

RGB (red, green, blue) input: A special input found only on high-end video monitors and monitor/receivers for direct connection of a personal computer; because it bypasses much of the video component’s internal circuitry, using it dramatically improves horizontal resolution.

SAW (surface acoustic wave) filter: A device used in TV’s and monitor/receivers to eliminate adjacent-channel interference.

scan: Also called search, this VCR feature enables the user to fast forward or rewind a videotape with a visible image; the soundtrack is inaudible during scanning. Some VCR’s provide
variable scanning speeds.

SECAM (système électronique pour couleur avec mémoire): The French name for sequential color memory, the standard television broadcasting system used in parts of Europe and other parts of the world.

simulcast: Also known as FM simulcast, this VCR feature enables the user to receive audio signals from a connected FM tuner or audio receiver onto a videocassette. Due to the growing popularity of components equipped with MTS/SAP decoders and of stereo TV broadcasts, simulcasting is now an uncommon feature.

slow motion: A special-effects feature found on some VCR's that allows users to view images in slow motion without sound. The slow-motion speed is often variable, and it can be used in conjunction with freeze-frame and frame-advance features to locate and study segments of a program.

SLP (super long play): The slowest record/play speed for VHS VCR's, providing the poorest picture quality; also known as EP (extended play).

snow: A type of video noise or interference that typically appears on the TV screen as white specks; usually the result of a weak TV signal.

SP (standard play): The fastest record/play speed for VHS VCR's, providing the best picture quality.

splitter: A device used to split an incoming RF signal and route it to at least two video components.

stereo-ready: A VCR or TV that has a jack on its back panel for connection of a component MTS/SAP decoder.

cast, this VCR feature enables the user to record the audio signals from a connected FM tuner or audio receiver onto a videocassette. Due to the growing popularity of components equipped with MTS/SAP decoders and of stereo TV broadcasts, simulcasting is now an uncommon feature.

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stereo TV: A TV set or monitor/receiver that is capable of receiving and displaying programs broadcast with stereo soundtracks; it must have a built-in MTS/SAP decoder plus a stereo amplifier and at least two speakers.

SuperBeta: An early refinement of the Beta video format that delivers about 300 lines of horizontal resolution; variations, using different circuitry for higher horizontal resolution, include Super High-Band Beta and ED Beta.

Surround sound: An audio system that extracts rear-channel information from specially recorded videotapes and discs. Surround-sound systems require a decoder—sometimes built into an audio receiver or VCR but also available as a separate component—and at least four speakers; a fifth speaker can be installed on top of the TV for centering dialogue.

switcher: A component that facilitates the interconnection of several video sources in one system.

time shifting: Recording a TV program for later viewing.

UHF (ultra-high frequency): Television signals located on channels 14 to 88 on standard video tuners.

VCR: Videocassette recorder.

VHF (very high frequency): The standard television signals located on channels 2 to 13 on typical video tuners.

VHS (Video Home System): A videocassette format developed by JVC in 1977. It uses half-inch tape contained in cassettes that are slightly larger than Beta cassettes.

VHS-C: A subformat of the VHS video format using standard half-inch videotape encased in “compact” minicassettes; currently, the format is used only in camcorders. VHS-C tapes can be played back in standard VCR's with an adaptor.

VHS HQ: Circuitry for a subtly enhanced, "high quality" picture included in most new VHS VCR's. There are actually four different types of circuits, although many VHS HQ units, especially less expensive ones, incorporate only two of the four.

videodisc: A medium that stores information on a disc; picture and sound data is retrieved from the disc by a laser pickup in a videodisc play-
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video input: A jack found on high-quality TV sets and monitor/receivers used to connect a video source, resulting in the best possible picture quality from that particular combination of components; always located on the set's back panel, although many monitor/receivers include an additional set on their front panels for easy connection of a second component, such as a camcorder.

video processor: A component, also known as a signal processor, generally used to prevent signal loss when dubbing tapes from one VCR or camcorder to a second VCR. Some models can also be used to add special effects to a previously recorded tape.

video S/N (signal-to-noise ratio): A specification that rates the amount of video noise—"snow" or a generally grainy texture—in a picture. Ratings of 38 to 42 dB are typical; those above 45 dB are excellent.

video tuner: A separate video component that contains circuitry needed to tune television channels; it typically is connected to a video monitor.

viewfinder: The part of a camcorder or video camera used to view the subject being recorded; electronic viewfinders are superior to the optical kind because they display the shot as it will appear upon playback.

white balance: A control on camcorders that adjusts for varying light sources to produce accurate color; automatic on some models.
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