

# BROADCAST<sup>®</sup> engineering

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**FOCUSING  
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FUTURE**

**1997  
Buyers Guide**



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## SP-8 – The Console for Local News

While Wheatstone is best known for its major market clients, we have tailored this console specifically for the local facility. It has everything operators need, yet it's straightforward and easy to operate.

The SP-8's fast mix-minus system allows individual foldbacks to talent, anchors and technical crew to keep your live programming moving smoothly. Four auxiliary pre or post send controls provide even more powerful foldback options. Its channel group muting feature lets you energize and de-energize banks of channels with the push of a single button, so break/live transitions become error free. A sophisticated internal logic system has bus assignment dependent monitor mutes to prevent accidental studio interruption during live seg-

ments. The console has plenty of monitoring capability and can feed a control room system as well as multiple studio outputs—perfect for separate morning and evening setups.

The SP-8 has all the flexibility of its larger predecessors. You have a selection of mono mic/line modules, dual mic modules (for studio one and studio two), and stereo input modules. You can even get this console with a preselector overbridge, to increase its input capacity eight-fold. It's available in countertop, through counter, or furniture stand versions to fit any architectural theme.

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 **Wheatstone Corporation**

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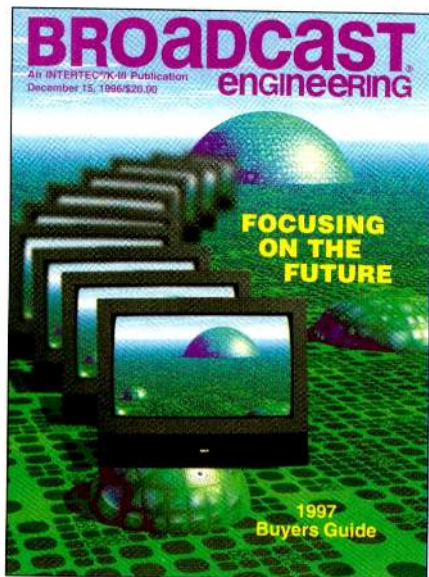
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Welcome to the 1997 *Broadcast Engineering Buyers Guide*. This year's edition contains the latest information from hundreds of manufacturers and the products and services you need. Whether it's help in locating a replacement part or building a whole new facility, the answers to your questions are just a page away.



New for this year is the *Instant Index*. The *Instant Index* allows you to quickly locate companies that provide the specific product or service you need. The index lists products and services by their generic name. You no longer have to guess as to the category a specific product will be listed. In most cases, several entries are provided for those products that are known by several terms.

Need information about transmitters? Looking up "Transmitters/Translators" in the *Instant Index* shows you that product category begins on p. 48. There you'll find 64 companies that can help you with along with their phone numbers. Need help with building that new TV station or edit suite? Look up "Consultants/Engineering" in the *Index*. There you will find the reference to p. 22 where you will see 61 companies that can assist you. The *Instant Index* is your short-cut to finding the companies that have what you need.

If you need address information, consult the manufacturer directory, which begins on p. 55. Anyone who's anyone is listed there.

To help you identify this issue's advertisers, their listings are shown in red. The advertiser index is located on p. 108.

My research shows readers refer to the *BE Buyers Guide* all year long. But don't worry, if you wear out your copy, I can probably get you another one.

*Brad Dick*

Brad Dick, editor

Instant Index .....	6
Product Directory .....	10
Manufacturer Directory .....	55

**ON THE COVER:** Although the song says, "Tomorrow is always a day away," technical managers don't have the luxury of waiting. The planning for it never stops. Maintaining a competitive edge requires a knowledge of today's technology and clues to what's just over the horizon. This month's cover illustrates the upcoming transition from an analog, 4:3 NTSC world, to the all-digital, 16:9 HDTV environment of tomorrow. Cover design by *BE* art director, Stephanie Masterson.

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# BE's Instant Index

to products, services and manufacturers

## A

A/D, D/A converters, <i>See</i>	
Audio conversion .....	10
Video conversion .....	50
A/V equipment carts, <i>See</i>	
Carts - utility .....	17
Acoustic materials .....	10
Aircraft rental services, <i>See</i>	
Remote vehicles - aircraft .....	38
Alarm systems, <i>See</i>	
Security systems .....	41
Alignment tapes, tools, <i>See</i>	
Recorders - heads, accessories .....	36
Animation equipment, software, <i>See</i>	
Graphics, animation .....	27
Antennas, HDTV, <i>See</i>	
HDTV-RF .....	27
Antennas-TV, transmitting, <i>See</i>	
Transmit antennas .....	47
ATRs, <i>See</i>	
Recorders - audio (removable media) .....	36
Attenuators, <i>See</i>	
Components - electronic .....	22
Audio accessories .....	10
Audio cable, <i>See</i>	
Cable, connectors - audio .....	15
Audio CD players, jukeboxes, <i>See</i>	
CD players - audio .....	17
Audio compression equipment .....	10
Audio connectors, <i>See</i>	
Cable, connectors - audio .....	15
Audio conversion .....	10
Audio DAs, <i>See</i>	
Routing, distribution - audio .....	38
Audio discs, recordable, <i>See</i>	
Recording media - audio discs .....	37
Audio duplicators, <i>See</i>	
Duplicators - audio .....	26
Audio generators, <i>See</i>	
Test equipment - audio .....	44
Audio media storage systems, <i>See</i>	
Storage systems, labels - audio .....	42
Audio metering and display .....	10
Audio mixers - portable .....	12
Audio mixers - studio .....	12
Audio power amplifiers .....	12
Audio processing .....	12
Audio routing and distribution, <i>See</i>	
Routing, distribution - audio .....	38
Audio tape, <i>See</i>	
Recording media - audio tape .....	37
Audio tape recorders, <i>See</i>	
Recorders - audio (removable media) .....	36
Audio test equipment, <i>See</i>	
Test equipment - audio .....	44
Audio time compressors/expanders, <i>See</i>	
Time delay - audio .....	46
Audio-only fiber-optic products, <i>See</i>	
Fiber optic equipment - audio .....	27
Audio-only satellite equipment, <i>See</i>	
Satellite equipment - audio .....	40
Aural modulation monitors, <i>See</i>	
Monitoring equipment .....	33
Auto-phase correction units, <i>See</i>	
Audio processing .....	12
Automation .....	14

## B

Battens, <i>See</i>	
Lighting-studio .....	32

Batteries, chargers .....	14
Battery analyzers, <i>See</i>	
Batteries, chargers .....	14
Battery reconditioners, <i>See</i>	
Batteries, chargers .....	14
Bench supplies, <i>See</i>	
Test equipment - general .....	44
Blowers, <i>See</i>	
Components - mechanical .....	22
Booms, <i>See</i>	
Microphone accessories .....	32
Boundary mics, <i>See</i>	
Microphones - wired .....	32
Bulk erasers, <i>See</i>	
Degaussers, bulk erasers .....	24
Business automation, <i>See</i>	
Automation .....	14

## C

Cable labels, <i>See</i>	
Cable, connectors - accessories .....	15
Cable reels, <i>See</i>	
Cable, connectors - accessories .....	15
Cable, connectors - accessories .....	15
Cable, connectors - audio .....	15
Cable, connectors - fiber .....	15
Cable, connectors - networks .....	15
Cable, connectors - video .....	15
Calibration services, <i>See</i>	
Repair services .....	38
Camcorders, <i>See</i>	
Cameras, camcorders .....	16
Camera accessories .....	16
Camera cables, <i>See</i>	
Camera accessories .....	16
Camera lenses, <i>See</i>	
Lenses, accessories .....	30
Camera remote controls, <i>See</i>	
Camera accessories .....	16
Camera robotics, <i>See</i>	
Camera support - robotic .....	16
Camera support .....	16
Camera support - robotic .....	16
Camera tubes .....	16
Cameras, camcorders .....	16
Cameras, HDTV, <i>See</i>	
HDTV production .....	27
Capacitors, <i>See</i>	
Components - electronic .....	22
Captioning .....	16
Cartridges, phono, <i>See</i>	
Turntables, accessories .....	48
Carts - utility .....	17
Cassette recorders, <i>See</i>	
Recorders - audio (removable media) .....	36
CATV system components .....	17
Cavities, <i>See</i>	
Transmitter tubes .....	48
CCTV equipment, <i>See</i>	
Security systems .....	41
CD players - audio .....	17
CD recorders, <i>See</i>	
Recorders - audio (removable media) .....	36
CD-ROM development, <i>See</i>	
Multimedia, CD-ROM .....	33
Character generators, titling .....	17
Chemicals, cleaning accessories .....	17
Chroma keyers, <i>See</i>	
Keyers, compositing systems .....	30
Clocks, timers .....	17

Coax, <i>See</i>	
Cable, connectors - video .....	15
Transmission line, waveguide .....	47
Color calibration systems, <i>See</i>	
Video monitors - parts, accessories .....	52
Color correctors, <i>See</i>	
Film equipment, services .....	27
Commercial insertion systems .....	17
Components - electronic .....	22
Components - mechanical .....	22
Composite/component decoders, encoders, <i>See</i>	
Video encoders, decoders .....	50
Compositing systems, <i>See</i>	
Keyers, compositing systems .....	30
Compression chipsets, systems, <i>See</i>	
Video compression .....	50
Compression pre-processors, <i>See</i>	
Video compression .....	50
Compression/MPEG test equipment, <i>See</i>	
Test equipment - compression/MPEG .....	44
Compressor/expanders, <i>See</i>	
Audio processing .....	12
Computer network cabling, connectors, <i>See</i>	
Cable, connectors - networks .....	15
Computer network test equipment, <i>See</i>	
Test equipment - computer network .....	44
Computer plug-in cards .....	22
Computers, peripherals .....	22
Connector panels, <i>See</i>	
Cable, connectors - accessories .....	15
Consultants, engineering .....	22
Control software, <i>See</i>	
Commercial insertion systems .....	17
CRTs, <i>See</i>	
Video monitors - parts, accessories .....	52
Custom fabrication, <i>See</i>	
Repair services .....	38

## D

Data distribution services, <i>See</i>	
Digital distribution services .....	26
Data recorders, <i>See</i>	
Recorders - data .....	36
Data transmission systems, <i>See</i>	
Captioning .....	16
DDRs, <i>See</i>	
Recorders - video (non-removable media) .....	36
Video disk recorders .....	50
De-icing systems, <i>See</i>	
Towers and accessories .....	46
Dealers, distributors .....	24
Degaussers, bulk erasers .....	24
Delay equipment - video/pulse .....	25
Demodulators, <i>See</i>	
Monitoring equipment .....	33
Desktop video systems .....	25
Development software, <i>See</i>	
Internet software .....	30
Multimedia, CD-ROM .....	33
Digital audio workstations .....	26
Digital distribution services .....	26
Dimmers, <i>See</i>	
Lighting controls, dimmers .....	30
Distribution services, <i>See</i>	
Digital distribution services .....	26
Distributors, <i>See</i>	
Dealers, distributors .....	24
DMMs, <i>See</i>	
Test equipment - general .....	44
Downstream keyers, <i>See</i>	
Keyers, compositing systems .....	30



# BE's Instant Index

to products, services and manufacturers

Drapes, See  
*Studios support, accessories* ..... 42

Dummy Loads, See  
*Transmission line, waveguide* ..... 47

Duplicators - audio ..... 26

Duplicators - services ..... 26

Duplicators - video ..... 26

DVD systems, See  
*Multimedia, CD-ROM* ..... 33

DVEs, special effects generators ..... 26

DVMs, See  
*Test equipment - general* ..... 44

## E

EAS products ..... 26

Editing controllers, See  
*Video editing systems* ..... 50

Editing facilities, See  
*Production facilities, services* ..... 34

Education services, See  
*Training, educational services* ..... 47

Effects systems, See  
*Audio processing* ..... 12  
*DVEs, special effects generators* ..... 26

Electronic components, See  
*Components - electronic* ..... 22

EMI/RFI Shielding material, See  
*Studio support, accessories* ..... 42

Employment services ..... 26

ENG links, See  
*Microwave equipment* ..... 33

ENG trucks, See  
*Remote vehicles - TV* ..... 38

Engineering software ..... 26

Enhancers, See  
*Video processing* ..... 52

Equalizers, See  
*Audio processing* ..... 12  
*Routing, distribution - video* ..... 40

Equipment brokers, See  
*Dealers, distributors* ..... 24

Equipment lighting, See  
*Racks, furniture* ..... 34

Equipment rebuilding, repair, See  
*Repair services* ..... 38

Exciters, See  
*Transmitters, translators* ..... 48

Exciters, HDTV, See  
*HDTV-RF* ..... 27

## F

Facility design, See  
*Consultants, engineering* ..... 22  
*Facility management software* ..... 26

Faders, See  
*Components - electronic* ..... 22

Fiber optic accessories, See  
*Cable, connectors - fiber* ..... 15

Fiber optic equipment - audio ..... 27

Fiber optic equipment - video ..... 27

Fiber optic materials, See  
*Cable, connectors - fiber* ..... 15

Field strength meters, See  
*Test equipment - RF* ..... 44

Film equipment, services ..... 27

Film stock, See  
*Film equipment, services* ..... 27

Financial organizations, See  
*Dealers, distributors* ..... 24

Fishpoles, See  
*Microphone accessories* ..... 32

Fixed delay equipment, See  
*Delay equipment - video/pulse* ..... 25

Format converters, See  
*Audio conversion* ..... 10  
*Computer plug-in cards* ..... 22  
*Scan converters* ..... 41  
*Standards converters* ..... 42  
*Video conversion* ..... 50  
*Video encoders, decoders* ..... 50

Frame synchronizers, See  
*TBCs, frame synchronizers* ..... 42

Frequency counters, See  
*Test equipment - general* ..... 44

Frequency services ..... 27

Furniture, See  
*Racks, furniture* ..... 34

## G

GCR/VITS generators/inserters, See  
*Video processing* ..... 52

GPS equipment ..... 27

Graphics, animation ..... 27

Guys, See  
*Towers and accessories* ..... 46

Gyromounts, See  
*Remote vehicles - aircraft* ..... 38

## H

Handheld mics, See  
*Microphones - wired* ..... 32

Hard drives, See  
*Recorders - audio (non-removable media)* ..... 36  
*HDTV production* ..... 27  
*HDTV-RF* ..... 27

Head refurbishing, See  
*Recorders - heads, accessories* ..... 36

Headhunters, See  
*Employment services* ..... 26

Headphones, See  
*Speakers, headphones* ..... 41

Headsets, See  
*Intercom/IFB products, headsets* ..... 30

Helicopters, accessories, See  
*Remote vehicles - aircraft* ..... 38

Hum reducers, See  
*Audio accessories* ..... 10  
*Video accessories* ..... 50

Hybrid recorders, See  
*Recorders - video (non-removable media)* ..... 36  
*Recorders - video (removable media)* ..... 36

Hybrids, telephone, See  
*Telco interface equipment* ..... 44

## I

IFB products, See  
*Intercom/IFB products, headsets* ..... 30

Image libraries, See  
*Libraries - sound and image* ..... 30

Integrated amplifier/speaker sets, See  
*Speakers, headphones* ..... 41

Integrated circuits, See  
*Components - electronic* ..... 22

Interactive systems, See  
*Multimedia, CD-ROM* ..... 33  
*Intercom/IFB products, headsets* ..... 30  
*Internet software* ..... 30

IOTs, See  
*Transmitter tubes* ..... 48

ITFS, See  
*Wireless cable* ..... 52

## J

Jukeboxes, See  
*CD players - audio* ..... 17

## K

Keyers, compositing systems ..... 30

Klystrons, See  
*Transmitter tubes* ..... 48

## L

Labels, software, See  
*Storage systems, labels - audio* ..... 42  
*Storage systems, labels - video* ..... 42

Lamps, See  
*Lighting-studio* ..... 32

Lavalier mics, See  
*Microphones - wired* ..... 32

Lenses, accessories ..... 30

Libraries - sound and image ..... 30

Light meters, See  
*Lighting-studio* ..... 32

Light modification filters, See  
*Lighting-studio* ..... 32

Lighting controls, dimmers ..... 30

Lighting equipment, See  
*Lighting-studio* ..... 32  
*Lighting-portable* ..... 30  
*Lighting-studio* ..... 32

Lightning arrestors, See  
*Towers and accessories* ..... 46

Limiters, See  
*Audio processing* ..... 12  
*Line doublers, quadruplers* ..... 32

Linear editors, See  
*Video editing systems* ..... 50

Linear keyers, See  
*Keyers, compositing systems* ..... 30

Loudness meters, See  
*Audio metering and display* ..... 10

## M

Maintenance services, See  
*Repair services - RF* ..... 38

Master clock systems, See  
*Clocks, timers* ..... 17

Master control switchers ..... 32

Masts, See  
*Remote vehicles - TV* ..... 38

Matte boxes, See  
*Camera accessories* ..... 16

MDS, See  
*Wireless cable* ..... 52

Mechanical components, See  
*Components - mechanical* ..... 22

Mic pre-amps, See  
*Microphone accessories* ..... 32

Mic stands, mounting hardware, See  
*Microphone accessories* ..... 32

Microphone accessories ..... 32

Microphones - wired ..... 32

Microphones - wireless ..... 32

Microwave equipment ..... 33

Microwave maintenance, See  
*Repair services - RF* ..... 38

MIDI equipment ..... 33

Mixing consoles, See  
*Audio mixers - studio* ..... 12

MMDS, See  
*Wireless cable* ..... 52

# BE's Instant Index

to products, services and manufacturers

Monitor amplifiers, <i>See</i>			
Audio power amplifiers .....	12		
Monitoring equipment .....	33		
Monitors, <i>See</i>			
Computers, peripherals .....	22		
HDTV production .....	27		
Video monitors .....	52		
Motors, <i>See</i>			
Components - mechanical .....	22		
Recorders - heads, accessories .....	36		
Mounting hardware, <i>See</i>			
Components - mechanical .....	22		
MPEG encoders/decoders, <i>See</i>			
Video compression .....	50		
MPEG test equipment, <i>See</i>			
Test equipment - compression/MPEG .....	44		
MSDC, <i>See</i>			
Transmitter tubes .....	48		
Multiboxes, <i>See</i>			
Cable, connectors - audio .....	15		
Multicore, <i>See</i>			
Camera accessories .....	16		
Multimedia, CD-ROM .....	33		
Music libraries, <i>See</i>			
Libraries - sound and image .....	30		
<b>N</b>			
Network cabling, connectors, <i>See</i>			
Cable, connectors - networks .....	15		
Networking products .....	33		
News automation, <i>See</i>			
Automation .....	14		
Noise reduction systems - audio .....	33		
Noise reduction systems - video .....	33		
Non-linear editors, <i>See</i>			
Video editing systems .....	50		
<b>O</b>			
On-air lights, <i>See</i>			
Racks, furniture .....	34		
On-air presentation .....	33		
Optical disk recorders, <i>See</i>			
Recorders - video (removable media) .....	36		
Video disk recorders .....	50		
Optical filters, <i>See</i>			
Lenses, accessories .....	30		
Organizations, <i>See</i>			
Professional organizations .....	34		
Oscilloscopes, <i>See</i>			
Test equipment - general .....	44		
<b>P</b>			
Pan/tilt heads, <i>See</i>			
Camera support .....	16		
Patch panels, <i>See</i>			
Routing, distribution - audio .....	38		
Routing, distribution - video .....	40		
PDRs, <i>See</i>			
Recorders - video (non-removable media) .....	36		
Video disk recorders .....	50		
Pedestals, <i>See</i>			
Camera support .....	16		
Phono accessories, <i>See</i>			
Turntables, accessories .....	48		
Plumbicons, <i>See</i>			
Camera tubes .....	16		
Portable lighting, accessories, <i>See</i>			
Lighting - portable .....	30		
Portable masts, <i>See</i>			
Remote vehicles - TV .....	38		
Portable mixers, <i>See</i>			
Audio mixers - portable .....	12		
Post production houses, <i>See</i>			
Production facilities, services .....	34		
Power conversion, protection .....	34		
Pressurization equipment, <i>See</i>			
Transmission line, waveguide .....	47		
Printers, <i>See</i>			
Computers, peripherals .....	22		
Proc amps, <i>See</i>			
Video processing .....	52		
Production facilities, services .....	34		
Production switchers .....	34		
Production titlers, <i>See</i>			
Character generators, titling .....	17		
Production trucks, <i>See</i>			
Remote vehicles - production .....	38		
Profanity delays, <i>See</i>			
Time delay - audio .....	46		
Professional organizations .....	34		
Prompters, prompting software .....	34		
Pulse DAs, <i>See</i>			
Sync generators, pulse DAs .....	42		
Pulse delay lines, <i>See</i>			
Delay equipment - video/pulse .....	25		
Pumps, <i>See</i>			
Components - mechanical .....	22		
<b>R</b>			
Racks, furniture .....	34		
Radar, <i>See</i>			
Weather systems, services .....	52		
RAM recorders, <i>See</i>			
Recorders - audio (non-removable media) .....	36		
Recorders - video (non-removable media) .....	36		
Recorders - audio (non-removable media) .....	36		
Recorders - audio (removable media) .....	36		
Recorders - data .....	36		
Recorders - heads, accessories .....	36		
Recorders - video (non-removable media) .....	36		
Recorders - video (removable media) .....	36		
Recorders, HDTV, <i>See</i>			
HDTV production .....	27		
Recording media - audio discs .....	37		
Recording media - audio tape .....	37		
Recording media - video discs .....	37		
Recording media - video tape .....	37		
Recording mixers, <i>See</i>			
Audio mixers - studio .....	12		
Reflectors, <i>See</i>			
Lighting - studio .....	32		
Regulatory information services .....	37		
Reloading services, <i>See</i>			
Recording media - audio tape .....	37		
Recording media - video tape .....	37		
Remote control systems .....	37		
Remote production services, <i>See</i>			
Remote vehicles - production .....	38		
Remote vehicles - aircraft .....	38		
Remote vehicles - production .....	38		
Remote vehicles - TV .....	38		
Rental houses, <i>See</i>			
Dealers, distributors .....	24		
Repair services .....	38		
Repair services - RF .....	38		
Replacement heads, <i>See</i>			
Recorders - heads, accessories .....	36		
Reverb units, <i>See</i>			
Audio processing .....	12		
RF combiners, <i>See</i>			
Transmission line, waveguide .....	47		
RF feedline, <i>See</i>			
Transmission line, waveguide .....	47		
RF generators, <i>See</i>			
Test equipment - RF .....	44		
RF monitoring equipment, <i>See</i>			
Monitoring equipment .....	33		
RF products, HDTV, <i>See</i>			
HDTV-RF .....	27		
RF switches, <i>See</i>			
Transmission line, waveguide .....	47		
RF test equipment, <i>See</i>			
Test equipment - RF .....	44		
Robotics and control systems, <i>See</i>			
Camera support - robotic .....	16		
Routing, distribution - audio .....	38		
Routing, distribution - video .....	40		
<b>S</b>			
Safe area/source ID generators, <i>See</i>			
Video accessories .....	50		
Sample rate converters, <i>See</i>			
Audio conversion .....	10		
Satellite equipment - audio .....	40		
Satellite equipment - video .....	40		
Satellite services .....	41		
Satellite uplink trucks, <i>See</i>			
Remote vehicles - TV .....	38		
Saticons, <i>See</i>			
Camera tubes .....	16		
SC/H phase indicators, <i>See</i>			
Test equipment - video .....	45		
Scan converters .....	41		
Schools, <i>See</i>			
Training, educational services .....	47		
SCSI adapters, <i>See</i>			
Computer plug-in cards .....	22		
Security systems .....	41		
Set top box technology .....	41		
Sets, <i>See</i>			
Studio support, accessories .....	42		
Shelves, <i>See</i>			
Storage systems, labels - audio .....	42		
Storage systems, labels - video .....	42		
Shipping cases, <i>See</i>			
Transport cases .....	48		
Soft side cases, <i>See</i>			
Transport cases .....	48		
Solid State Amplifiers, <i>See</i>			
Transmitter tubes .....	48		
Sound cards, <i>See</i>			
Computer plug-in cards .....	22		
Soundproof booths, <i>See</i>			
Acoustic materials .....	10		
Speaker enclosures, <i>See</i>			
Speakers, headphones .....	41		
Speakers, headphones .....	41		
Spectrum analyzers, <i>See</i>			
Test equipment - RF .....	44		
Splitters, <i>See</i>			
Cable, connectors - audio .....	15		
Video wall systems .....	52		
Standards converters .....	42		
Standby generators, <i>See</i>			
Power conversion, protection .....	34		
Stands, <i>See</i>			
Lighting - studio .....	32		
Static suppressors, <i>See</i>			
Studio support, accessories .....	42		
Stereo correction units, <i>See</i>			
Audio processing .....	12		



# BE's Instant Index

to products, services and manufacturers

Stereo synthesizers, <i>See</i>		Towers and accessories .....	46	Video encoders, decoders .....	50
Audio processing .....	12	Training products, information, <i>See</i>		Video equalizers, <i>See</i>	
Still stores .....	42	Engineering software .....	26	Routing, distribution - video .....	40
STL/TSL links, <i>See</i>		Training, educational services .....	47	Video mixers, <i>See</i>	
Microwave equipment .....	33	Transformers - audio, <i>See</i>		Production switchers .....	34
Stock footage, <i>See</i>		Cable, connectors - audio .....	15	Video monitors .....	52
Libraries - sound and image .....	30	Transistors, <i>See</i>		Video monitors - parts, accessories .....	52
Storage systems, labels - audio .....	42	Components - electronic .....	22	Video printers, <i>See</i>	
Storage systems, labels - video .....	42	Translation/voiceover services .....	47	Video accessories .....	50
Studio mixers, <i>See</i>		Translators, <i>See</i>		Video processing .....	52
Audio mixers - studio .....	12	Transmitters, translators .....	48	Video production switchers, <i>See</i>	
Studio support, accessories .....	42	Transmission line, waveguide .....	47	Production switchers .....	34
Sunshades, <i>See</i>		Transmit antennas .....	47	Video routing switchers, <i>See</i>	
Video monitors - parts, accessories .....	52	Transmitter maintenance, <i>See</i>		Routing, distribution - video .....	40
Sync generators, pulse DAs .....	42	Repair services - RF .....	38	Video serial/parallel converters, <i>See</i>	
System integration, <i>See</i>		Transmitters, HDTV, <i>See</i>		Video conversion .....	50
Consultants, engineering .....	22	HDTV-RF .....	27	Video servers .....	52
<b>T</b>					
Tape backup systems, <i>See</i>		Transmitters, translators .....	48	Video tape recorders, <i>See</i>	
Recorders - data .....	36	Transmitter tubes .....	48	Recorders - video (removable media) .....	36
Tape library systems, <i>See</i>		Transport cases .....	48	Video test equipment, <i>See</i>	
On-air presentation .....	33	Triax, <i>See</i>		Test equipment - video .....	45
Tape tension tools, <i>See</i>		Cable, connectors - video .....	15	Video time delays, <i>See</i>	
Recorders - heads, accessories .....	36	Camera accessories .....	16	Time delay - video .....	46
Tape transfer services, <i>See</i>		Tripods, <i>See</i>		Video timing equipment, <i>See</i>	
Duplicators - services .....	26	Camera support .....	16	TBCs, frame synchronizers .....	42
Tape/disk cart systems, <i>See</i>		Turntables, accessories .....	48	Video wall systems .....	52
On-air presentation .....	33	<b>U</b>			
TBCs, frame synchronizers .....	42	Under monitor displays, <i>See</i>		Videocassettes, <i>See</i>	
TDRs, <i>See</i>		Video monitors - parts, accessories .....	52	Recording media - video tape .....	37
Test equipment - RF .....	44	UPSs, <i>See</i>		Recording media - video discs .....	37
Telco bandwidth extenders, <i>See</i>		Power conversion, protection .....	34	Videotape duplication, <i>See</i>	
Telco terminal equipment .....	44	Utility carts, <i>See</i>		Duplicators - video .....	26
Telco interface equipment .....	44	Carts - utility .....	17	Videotape labels, <i>See</i>	
Telco terminal equipment .....	44	<b>V</b>			
Telecines, <i>See</i>		VBI data systems, software, <i>See</i>		Storage systems, labels - video .....	42
Film equipment, services .....	27	Captioning .....	16	Videotape storage systems, <i>See</i>	
Telephone hybrids, <i>See</i>		VCR sequencing, <i>See</i>		Storage systems, labels - video .....	42
Telco interface equipment .....	44	Commercial insertion systems .....	17	Videotapes, <i>See</i>	
Teleprompters, <i>See</i>		VCRs, <i>See</i>		Recording media - video tape .....	37
Promoters, prompting software .....	34	Recorders - video (removable media) .....	36	Vidicons, <i>See</i>	
Teletext, <i>See</i>		VDRs, <i>See</i>		Camera tubes .....	16
Captioning .....	16	Recorders - video (non-removable media) .....	36	Viewfinder shades, <i>See</i>	
Tension tools, <i>See</i>		Video disk recorders .....	50	Camera accessories .....	16
Recorders - heads, accessories .....	36	Vectorscopes, <i>See</i>		Virtual sets .....	52
Terminals, <i>See</i>		Test equipment - video .....	45	VITS/GCR generators/inserters, <i>See</i>	
Computers, peripherals .....	22	Video accessories .....	50	Video processing .....	52
Test equipment - audio .....	44	Video analyzers, <i>See</i>		Voiceover services, <i>See</i>	
Test equipment - compression/MPEG .....	44	Test equipment - video .....	45	Translation/voiceover services .....	47
Test equipment - audio .....	44	Video cable, <i>See</i>		VOMs, <i>See</i>	
Test equipment - general .....	44	Cable, connectors - video .....	15	Test equipment - general .....	44
Test equipment - RF .....	44	Video captioning, <i>See</i>		VSWR indicators, <i>See</i>	
Test equipment - video .....	45	Captioning .....	16	Test equipment - RF .....	44
Thermal measurement equipment, <i>See</i>		Video capture cards, <i>See</i>		VTRs, <i>See</i>	
Test equipment - general .....	44	Computer plug-in cards .....	22	Recorders - video (removable media) .....	36
Time base correctors, <i>See</i>		Video color correction, <i>See</i>		VU meters, <i>See</i>	
TBCs, frame synchronizers .....	42	Video processing .....	52	Audio metering and display .....	10
Time code equipment .....	45	Video compression .....	50	<b>W</b>	
Time delay - audio .....	46	Video connectors, <i>See</i>		Waveform monitors, <i>See</i>	
Time delay - video .....	46	Cable, connectors - video .....	15	Test equipment - video .....	45
Timers, <i>See</i>		Video conversion .....	50	Waveguide, <i>See</i>	
Clocks, timers .....	17	Video DAs, <i>See</i>		Transmission line, waveguide .....	47
Titling systems, software, <i>See</i>		Routing, distribution - video .....	40	Weather systems, services .....	52
Character generators, titling .....	17	Video delay lines, <i>See</i>		Web software, <i>See</i>	
Tonearms, <i>See</i>		Delay equipment - video/pulse .....	25	Internet software .....	30
Turntables, accessories .....	48	Video disk recorders .....	50	Windscreens, <i>See</i>	
Tools .....	46	Video editing systems .....	50	Microphone accessories .....	32
Tower lighting equipment, <i>See</i>		Video effects systems, <i>See</i>		Wire management systems, <i>See</i>	
Towers and accessories .....	46	DVEs, special effects generators .....	26	Cable, connectors - accessories .....	15
Tower-services .....	46				

# Product Directory

A

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Acoustic Sciences Corp	541-343-9727
Acoustic Systems	512-444-1961
Acoustical Solutions	804-346-8350
Broadcast Equipment & Parts	561-790-4192
Cabletek Electronics Ltd	604-942-1001
Illbruck/Sonex Acoustical Div	612-520-3620
Industrial Acoustics Co	718-931-8000
Lakeside Associates Inc	714-770-6601
Netwell Noise Control	612-939-9845
Photomart Cine-Video Inc	407-851-2780
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Allen Avionics Inc	516-248-8080
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<b>Beck Associates Inc</b>	<b>512-388-9777</b>
Benchmark Media Systems Inc	315-437-6300
Cabletek Electronics Ltd	604-942-1001
Comprehensive Video Group	201-229-0025
Denon Electronics	201-575-7810
FM Systems Inc	714-979-3355
Furman Sound Inc	415-927-1225
Gepeco International	312-733-9555
Henry Engineering	818-355-3656
Marantz Professional	+31(0)40-2734589
Philips Broadcast Television Systems	805-584-4700
Quality Video Supply	201-229-9800
Sescom Inc	702-565-3400
Transvideo USA	805-520-1275
U.S. Audio	716-663-8820
<b>Wireworks Corp</b>	<b>908-686-7400</b>

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Astroguide	815-224-2700
Audio Processing Technology	+44(0)1232 371110
Axon Digital Design BV	+31(0)1351 14500
Brainstorm Electronics	213-845-1155
Broadcast Equipment & Parts	561-790-4192
BSW-Broadcast Supply Worldwide	206-565-2301
CCS Europe GmbH	+49-811-5516-0
C4 Audio Systems	+49-5331-76985
Circuit Research Labs Inc	602-438-0888

## COMREX

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Denecke Inc	818-766-3525
Digigram	+33 7652.4747
Dolby Laboratories Inc	415-558-0200
Ednet	415-274-8800
Evertz Microsystems Ltd	905-335-3700
Group One Ltd	516-249-3662
HES Electronics	+32 (2) 466-8180
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<b>Intraplex Inc</b>	<b>508-692-9000</b>
JNS Electronics Inc	408-729-3838
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The Management	817-625-9761
Marti Electronics	817-645-9163
Moseley Associates Inc	805-968-9621
MSC Electronics Ltd	905-731-9500
Musicam USA	908-739-5600
Nagra Kudelski SA	+41(0)21 732-0101
NVision Inc	916-265-1000
Plasmec Systems Ltd	+44-1252 721236
PRECO (Broadcast Systems)	+44-181-644-4447
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Rohde & Schwarz GmbH	+49-89-41292321
Sescom Inc	702-565-3400
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ST Keltec Corp	904-244-0043
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BSW-Broadcast Supply Worldwide	206-565-2301
<b>Comrex Corp</b>	<b>508-263-1800</b>
Cooper Sound Systems	714-248-1361
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DDA	616-695-4750
D&R Electronica bv	+31(0)294 418014
Furman Sound Inc	415-927-1225
Geneva Aviation	206-353-7400
Gold Line Inc	203-938-2588
Link Communications SA	+34 3 347-1457
Mackie Designs Inc	206-487-4333
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Micron Audio Products Ltd	201-857-8150
Midas	616-695-4750
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ATI-Audio Technologies Inc	215-443-0330
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Audioarts Engineering	315-452-5000
Audiotronics Inc	901-362-1350
Audix Broadcast Ltd	+44(0)1799-542220
Augan Instruments	+31(0)26-3648-966
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<b>BAF Communications Corp</b>	<b>407-324-8250</b>
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Broadcast Equipment & Parts	561-790-4192
BSW-Broadcast Supply Worldwide	206-565-2301
Calrec Audio Ltd	+44-1422-842-159
Canford Audio	+44-191-4170057
Cellcast Communication Products Inc	501-750-0277
Continental Electronics Corp	214-381-7161
Cooper Sound Systems	714-248-1361
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DOD Electronics	801-566-8800
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D&R Electronica bv	+31(0)294 418014
DCOR Electronics	505-887-6790
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Electro-Voice Inc	616-695-6831
Euphonix Inc	415-885-0400
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Focusrite Audio Eng Ltd	+44(0)1628 819456
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Fostex Corp	+81-425-46-4974
Full Compass Systems Ltd	608-831-7330
<b>Gentner Communications Corp</b>	<b>801-975-7200</b>
Graham-Patten Systems	916-273-8412
Group One Ltd	516-249-3662
Hallikainen & Friends Inc	805-541-0200
Harrison by GLW	615-370-9001

Henry Engineering	818-355-3656
Image Video	416-438-3940
Intelix Corp	608-831-0880
Ivie Technologies Inc	801-224-1800
JK Audio	815-786-2929
J-Lab	310-457-4090
JL Cooper Electronics	310-306-4131
JT Communications	352-236-0744
Kaitronics Corp	415-697-9102
Tony Larking Pro Sales Ltd	+44-1462-490-600
Lectrosonics Inc	505-892-4501
Logitek	713-782-4592
LPB Inc	610-644-1123
Mackie Designs Inc	206-487-4333
The Management	817-625-9761
Mark IV Pro Audio Group	616-695-4750
Media Touch Systems Inc	603-893-5104
MicroAudio Inc	503-293-0562
Micron Audio Products Ltd	201-857-8150
Midas	616-695-4750
Neotek Corp	773-929-6699
Georg Neumann GmbH	+49(0)3041 77240
OpTex	+44(0)181-4412199
Otari Corp	415-341-5900
PAC Sales/EELA Audio	+31(0)40-510484
Pacific Recorders & Engineering	760-438-3911
Panasonic Pro Audio/Ramsa	714-373-7277
Photomart Cine-Video Inc	407-851-2780
PRECO (Broadcast Systems)	+44-181-644-4447
Professional Management Services	864-370-2400
Professional Sound Corp	805-295-9395
ProTech Audio Corp	516-584-5855
QMI	508-435-3666
Radio Design Labs	805-684-5415
Ram Broadcast Systems	847-382-7575
RAMI	+33-1-6466-2020
Ramko Research	916-672-7932
Rane Corp	206-355-6000
Samson Technologies Corp	516-364-2244
Sascom Marketing Group	905-469-8080
Scantex Labs Inc	514-626-8943
Schafer World Communications	540-783-2000
Seem Audio A/S	+47 66 982700
Sescom Inc	702-565-3400
Siemens Audio Co	212-949-2324
Solid State Logic Inc	212-315-1111
Solid State Logic	+44(0)1865 842300
Solidyne	+54 1 701-8622
Sonic Solutions	415-893-8000
Sonifex Ltd	+44(0)1933 650700
Sonosax SA	+41(0)21 806-0202
Sony Business & Professional	201-930-6576
Sound Designers Studio	212-757-5679
Soundcraft Electronics	615-399-2199
Soundcraft/Harman Pro Group	+44(0)1707 665000
Soundtracs PLC	+44(0)181 3885000
Spectra Sonics	801-392-7531
Studer Professional Audio AG	+41 1 870-7511
Studer Editech	615-391-3399
Superscope Technologies/Marantz	630-820-4800
Tactile Technology Inc	310-802-1500
Target Technology Inc	916-639-2102
TASCAM/Teac Profession	213-726-0303
Tel-Test Inc	352-374-4503
TOA Electronics Inc	415-588-2538
Trident Audio Developments	+44(0)1932 224665
Ward-Beck Systems Ltd	416-438-6550
Daniel Weiss Engineering Ltd	+41-1-940-2006
Wheatstone Corp	315-452-5000
Whirlwind	716-663-8820
Wiltronix Inc	301-258-7676
Yamaha Corp of America	714-522-9011

## AUDIO POWER AMPLIFIERS

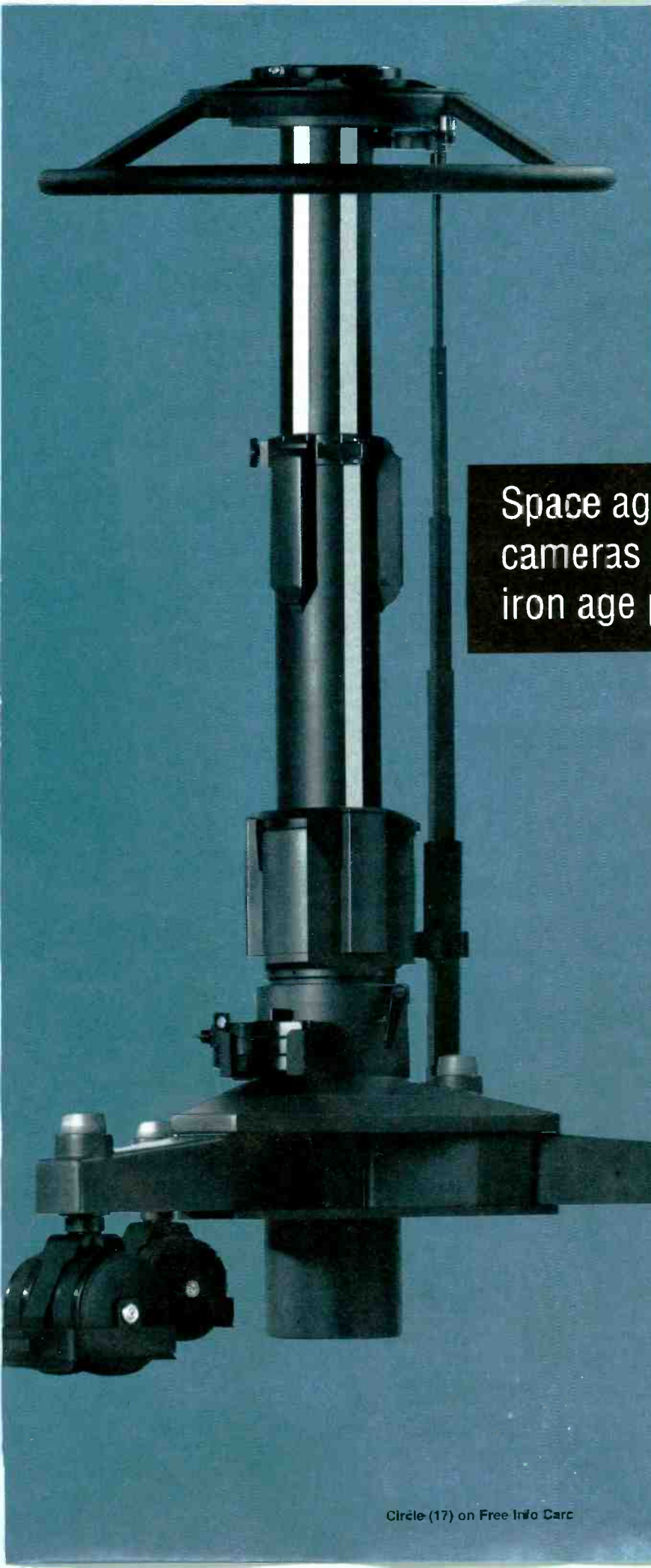
ADM Systems	810-524-2100
AEQ SA	+34 1 686-1300
Alesis Corp	310-558-4530
Altec Lansing	405-324-5311
Ampco Sound Lab (ASL)	+31(0)30-2414500
APS Professional Video Products	718-628-6800
Ashly Audio Inc	716-544-5191
ATI-Audio Technologies Inc	215-443-0330
Audix Broadcast Ltd	+44(0)1799-542220
<b>Beck Associates Inc</b>	<b>512-388-9777</b>

BGW Systems Inc	310-973-8090
Biamp Systems	503-641-7287
Bogen Communications Inc	201-934-8500
Brainstorm Electronics	213-845-1155
Broadcast Devices	914-737-5032
Broadcast Equipment & Parts	561-790-4192
Bryston Ltd	705-742-5325
BSW-Broadcast Supply Worldwide	206-565-2301
C Audio	+44(0)1223-211-333
Canford Audio	+44-191-4170057
Chevin Research Ltd	+44-1943-466-060
Conex Electro Systems Inc	360-734-4323
Continental Electronics Corp	214-381-7161
Crown Broadcast	219-294-8050
Davicom Technologies	819-370-4343
Denon Electronics	201-575-7810
Dynaudio Acoustics UK Ltd	+44(0)171 4033808
EDCOR Electronics	505-887-6790
Electro-Voice Inc	616-695-6831
EuroSon America Inc	516-273-4200
FM Acoustics Ltd	+41-1-725-7777
Focusrite Audio Eng Ltd	+44(0)1628 819456
Fuller Manufacturing Inc	818-500-0116
Furman Sound Inc	415-927-1225
<b>Gentner Communications Corp</b>	<b>801-975-7200</b>
Green Dot Audio	615-367-9242
Group One Ltd	516-249-3662
Image Video	416-438-3940
Industrial Strength Industries	310-921-2341
IRT Electronics Pty Ltd	+61 2 4393744
ITI Electronics Inc	201-882-6405
Ivie Technologies Inc	801-224-1800
JBL Professional	818-894-8850
JNS Electronics Inc	408-729-3838
Tony Larking Pro Sales Ltd	+44-1462-490-600
Lee Dan Communications Inc	516-231-1414
Logitek	713-782-4592
LPB Inc	610-644-1123
Mackie Designs Inc	206-487-4333
Nuova ELIT	+39 2 3340-2992
<b>Opamp Labs Inc</b>	<b>213-934-3566</b>
PAC Sales/EELA Audio	+31(0)40-510484
Panasonic Pro Audio/Ramsa	714-373-7277
Photomart Cine-Video Inc	407-851-2780
PRECO (Broadcast Systems)	+44-181-644-4447
ProTech Audio Corp	516-584-5855
QSC Audio Products Inc	714-754-6175
Radio Design Labs	805-684-5415
Ram Broadcast Systems	847-382-7575
RAMI	+33-1-6466-2020
Ramko Research	916-672-7932
Rane Corp	206-355-6000
ROH Div/Fuller Mfg	818-500-0116
Scantex Labs Inc	514-626-8943
Sescom Inc	702-565-3400
Shuttlesound Ltd	+44(0)181687-2523
Sonosax SA	+41(0)21 806-0202
Spectra Sonics	801-392-7531
Michael Stevens & Partners	+44-181-460-7299
Studer Digitec	+34 1 34 808 700
Studer Professional Audio AG	+41 1 870-7511
Symetrix	206-787-3222
Tally Display Corp	914-365-6393
Target Technology Inc	916-639-2102
TASCAM/Teac Profession	213-726-0303
Telect Inc	509-926-6000
Tel-Test Inc	352-374-4503
TOA Electronics Inc	415-588-2538
University Sound	405-324-5311
UREI	818-893-8411
Videoquip Research Ltd	416-293-1042
<b>Videotek Inc</b>	<b>610-327-2292</b>
Whirlwind	716-663-8820
Yamaha Corp of America	714-522-9011

## AUDIO PROCESSING

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AlRcorp	972-304-0455
Alesis Corp	310-558-4530
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 API-Audio Products Inc 703-455-8188  
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 ATI-Audio Technologies Inc 215-443-0330  
 Audi-Cord Corp 309-452-9461  
 Audio Design +44(0)1734-844545  
 Audio Developments Ltd +44(0)1543-375351  
 Audioarts Engineering 315-452-5000  
 AudioControl Industrial 206-775-8461  
 Audiotronics Inc 901-362-1350  
 Audix Broadcast Ltd +44(0)1799-542220  
 BBE Sound Inc 714-897-6766  
 Benchmark Media Systems Inc 315-437-6300  
 beyerdynamic 516-293-3200  
 Biamp Systems 503-641-7287  
 Brainstorm Electronics 213-845-1155  
 Broadcast Equipment & Parts 561-790-4192  
 BSS/Harman Pro North America 615-399-2199  
 C Audio +44(0)1223-211-333  
 Calrec Audio Ltd +44-1422-842-159  
 Dwight Cavendish Co 847-673-0937  
 CEDAR Audio Ltd +44(0)1223-464117  
 Circuit Research Labs Inc 602-438-0888  
 Comband/Microwave Filter Co 315-437-3953  
 Continental Electronics Corp 214-381-7161  
 Cutting Edge Technologies 216-241-3343  
 dbx Professional Products 801-568-7660  
 Dimension Music & Sound Effects Inc 770-502-8744  
 DOD Electronics 801-566-8800  
 Dolby Laboratories Inc 415-558-0200  
 Dorrough Electronics 818-998-2824  
 D&R Electronica bv +31(0)294 418014  
 Philip Drake Electronics +44(0)1707 333866  
 Drawmer Ltd +44-1924-378-669  
 Dan Dugan Sound Design 415-821-9776  
 Electro-Voice Inc 616-695-6831  
 Emo Systems Ltd +44-191-373-0787  
 Eventide Inc 201-641-1200  
 FM Systems Inc 714-979-3355  
 Focusrite/Group One Ltd 516-249-1399  
 Full Compass Systems Ltd 608-831-7330  
 Furman Sound Inc 415-927-1225  
 G Prime Ltd 212-765-3415  
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 JT Communications 352-236-0744  
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 Klark Teknik 616-695-4750  
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 Lexicon Inc 617-736-0300  
 Lighthouse Digital Systems 916-272-8240  
 LPB Inc 610-644-1123  
 Mark IV Pro Audio Group 616-695-4750  
 Micro Technology Unlimited 919-870-0344  
 MicroAudio Inc 503-293-0562  
 Microcon Systems Ltd 216-546-0967  
 Modulation Sciences 908-302-3090  
 MSC Electronics Ltd 905-731-9500  
 Georg Neumann GmbH +49(0)30 41 77240  
**Nova Systems Inc 860-693-0238**  
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 OmniSound Corp 415-457-8114  
 Orban 510-351-3500  
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 Symetrix 206-787-3222  
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 TOA Electronics Inc 415-588-2538  
 TTE Inc 310-478-8224  
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 White Instruments/C Van R 512-389-3800  
 XTA Electronics/Group One Ltd 516-249-1399  
 Yamaha Corp of America 714-522-9011  
 Z Systems 352-371-0990  
 Z-Systems 352-371-0990

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Abit Ltd +44 171 281 3815  
 AEQSA +34 1 686-1300  
 AEV SRL +39 51 950249  
 Alamar USA Inc 408-866-9373  
**ASC Audio Video 818-843-7004**  
 The Associated Press 202-736-1100  
 Autocue Ltd +44(0)181870-0104  
 AVID Technology Inc 508-640-6789  
 AVS Graphics Ltd +44(0)1990 003220  
 A-Ware Software Inc 414-521-2890  
 Broadcast Electronics Inc 217-224-9600  
**BTI Computer Systems 408-733-1122**  
 ChronTrol Corp 619-566-5656  
 Chyron Corp 516-845-2026  
 Columbine Systems 303-237-4000  
 Command Corp 813-724-1220  
 Comprompter 608-785-7766  
 Computer Engineering Associates 410-987-7003  
 Dawn Satellite 810-391-9200  
 DCM Inc 704-377-1496  
 Designing Minds 801-753-4947  
 Digital Courier Int'l/MPR Teltech 604-293-5188  
 Electric Works Corp 817-625-9761  
 Enterprise Systems Inc 719-548-1800  
 FloriCal Systems Inc 352-372-8326  
 HES Electronics +32 (2) 466-8180  
 ict GmbH +49-7025-1020  
 Imagine Products Inc 317-843-0706  
 Industrial Computer Source 619-677-0877  
 Inscrber Character Generator 416-391-4500  
 Interlace Engineering Corp 416-510-1051  
 International Tapetronics Corp 309-828-1381  
 JLCopper Electronics 310-306-4131  
 Leightnix 517-694-8000  
**Louth Automation 415-843-3665**  
 LPB Inc 610-644-1123  
 LPB Inc 610-644-1123  
 The Management 817-625-9761  
 MBS Technologies Inc 412-941-9076  
 McCurdy Radio Industries Ltd 416-248-6155  
 Media Computing Inc 602-582-2600  
 Mediatron GmbH +49(0)8131-8305-0  
 MEMEX Software Inc 604-731-0831  
 Nagra Lysis sa +41-21-732-0404  
 Nesbit Systems Inc 609-799-5071  
 The Network Connection Inc 770-751-0889  
 News Technology Corporation 415-965-7722  
 NewsMaker Systems Inc 818-879-0000

NSI 410-964-8400  
 NTP Elektronik A/S +45 4453 1188  
 Nytone Inc 801-973-4090  
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**Ogenic On Air Systems 619 479 1711**  
 PAC Sales/EELA Audio +31(0)40-510484  
 Panasonic Broadcast & Television 800-524-0864  
 Panasonic Pro Audio/Ramsa 714-373-7277  
 ParkerVision 904-737-1367  
 Philips Broadcast Television Systems 805-584-4700  
 +49(0)6155 870-0  
 Planon Telexpertise Inc 514-449-6481  
 PRECO (Broadcast Systems) +44-181-644-4447  
 Pro-BeL Ltd +44(0)1734 866123  
 Professional Management Services 864-370-2400  
 Register Data Systems 912-987-2501  
 Schmid Telecom AG 41-1-456-1111  
 Sierra Automated Systems Eng Corp 818-840-6749  
 Sonifex Ltd +44(0)1933 650700  
 Sony Business & Professional 201-930-6576  
 Sony Electronics 201-930-7834  
 Sony Electronics 408-432-1600  
 Spaceward Graphics Ltd +44(0)1353 741222  
 Spencer Technologies 818-840-0907  
 Studer Digitec +34 1 34 808 700  
 Studer Professional Audio AG +41 1 870-7511  
 Summit Software Systems Inc 303-443-9866  
 Sun Microsystems Interactive Services 415-969-1300  
 Sundance Digital Inc 972-444-8442  
 Tandberg Data Storage AS +47 22 18 90 90  
 Tektronix NewStar 608-274-8686  
 Tektronix Video & Network Div 800-547-8949  
 Tel-Test Inc 352-374-4503  
 Thomson Broadcast 201-569-1650  
 Triavest 415-920-620  
 Video Communications 413-786-7955  
 Videoquip Research Ltd 416-293-1042  
 Vinten TSM 914-268-0100  
 Walter Brewer Corp 918-493-7323  
 Wiltronix Inc 301-258-7676  
 WireReady Newswire Systems 508-879-0080  
 WSI Corp 508-670-5000

## BATTERIES, CHARGERS

Alexander Batteries 515-423-8955



Anton/Bauer 203-929-1100

Birns & Sawyer Inc 213-466-8211  
 Broadcast Equipment & Parts 561-790-4192  
 Cadex Electronics Inc 604-451-7900  
 Christie Electric Corp 310-715-1402  
 Cine 60 Inc 212-586-8782  
 Comprehensive Video Group 201-229-0025  
 Contact East Inc 508-682-2000  
 Cool-Lux 805-482-4820  
 J E Cuesta Co Inc 610-935-0400  
 Duracell USA 203-796-4000  
 Energex Systems Corp 914-347-5776



**Frezzi Energy Systems 201-427-1160**

Gray Supply Co 219-398-2362  
 HM Electronics 619-535-6060  
 I-Den Videotronics Inc +81-3-3447-5220  
 IDX Technology 619-560-9779  
 Light Wave Systems 818-780-3002  
 Newark Electronics 800-298-3133  
 ORA Electronics 818-772-2700  
 PAG Ltd +44-181-543-3131  
 PAG USA 805-520-4911  
 Periphex Inc 203-264-3985  
 PERROTT 'The Battery People' 703-532-0700  
 Photomart Cine-Video Inc 407-851-2780  
 Products International 301-587-7824  
 Pro Battery Inc 770-449-5900  
 Pro Power Products 818-558-6222



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Quality Video Supply  
Rathbone Energy Systems Inc  
Reliance Comm/Tec  
**Sachtler Corp of America**  
Sony Business & Professional  
Sony Electronics  
Sony Electronics  
Synergistic Batteries Inc  
Systems Wireless Ltd  
Techni-Tool Inc  
United Power Corp  
Victory Battery Co  
Walter Brewer Corp  
Whirlwind  
ZZZap Power

201-229-9800  
770-975-8052  
216-246-6967  
**516-867-4900**  
201-930-6576  
201-930-7834  
408-432-1600  
770-919-8080  
703-471-7887  
610-825-4990  
804-254-5730  
818-840-2766  
918-493-7323  
716-663-8820  
514-369-4919

Lemo USA  
Lightwave Communications Inc  
LPB Inc  
Marcom  
Marshall Electronics Optical Systems  
Micro Communications  
MilesTek Inc  
MIT Inc  
Mohawk/CDT  
Nalpak Video Sales Inc  
Nemal Electronics Int'l  
Georg Neumann GmbH  
Neutrik AG

707-578-8811  
203-878-9838  
610-644-1123  
408-438-4273  
310-390-6608  
603-624-4351  
817-455-7444  
+81-3-3439-3755  
508-537-9961  
619-258-1200  
305-899-0900  
+49(0)30 4177240  
+41-75-237-2424

<b>NEUTRIK USA inc.</b> <small>CONNECTING THE WORLD</small>	
Neutrik USA	908-901-9488
RCI Systems Inc	301-984-1800
Sescom Inc	702-565-3400

## wireworks

**Wireworks Corp** **908-686-7400**

### CABLE, CONNECTORS - FIBER

ADC Telecommunications Inc	612-938-8080
Alcatel Components	+61 3 9555 1566
Alcatel STR AG	+41(0)1 465-2426
Alpha Wire Corp	908-925-8000
Avtech Systems Inc	201-833-8777
B&B Electronics Mfg Co	815-433-5100
BEC Technologies Inc	407-855-8181
Belden Wire & Cable Company	317-983-5200
Cabletek Electronics Ltd	604-942-1001
Clark Wire & Cable	847-949-9595
Cole Wire & Cable Co Inc	847-674-2210
Diamond SA	+41 91 7854545
DT Electronics Ltd	+44(0)1203-466500
DYNAIR Electronics Inc	619-263-7711
Ednet	415-274-8800
ESP-Extraordinarily Superior Products	818-883-2138
Force Inc	540-382-0642
Fotec Inc	617-396-6155
Gepeco International	312-733-9555
Hubbell Inc Wiring Device - Kellems	203-882-4800
<b>Intraplex Inc</b>	<b>508-692-9000</b>
Iptek	760-438-8362
IRT Electronics Pty Ltd	+61 2 4393744
Kathrein-Werke KG	+49-08031-184-0
Lightwave Communications Inc	203-878-9838
Lightwave Systems	214-741-5142
Meret Optical Communications	310-828-7496
MilesTek Inc	817-455-7444
Multidyne Inc	516-671-7278
Nemal Electronics Int'l	305-899-0900
Philips Broadband Networks Inc	315-682-9105
ProBot Communications	203-481-8449
SSL Industries Inc	916-644-0233
Techni-Tool Inc	610-825-4990
Telecast Fiber Systems	508-754-4858
Telemetrics Inc	201-848-9818
Textronix/Grass Valley Products	916-478-3000
TMT electronics AG	+41 31-771-2829
Toshiba Corp	+81(0)3 3457 3244
Trylon TSF	519-669-5421
T-Tech Corp	508-562-5820
VEAM/Litton Systems Inc	860-274-9681
VVYX Inc	918-588-5760
Wavetek Corp/Instrument Div	619-279-2200
Daniel Weiss Engineering Ltd	+41-1-940-2006
<b>Wireworks Corp</b>	<b>908-686-7400</b>

### CABLE, CONNECTORS-ACCESSORIES

ADC Telecommunications Inc	612-938-8080
Alcatel Components	+61 3 9555 1566
Alpha Wire Corp	908-925-8000
Ampco Sound Lab (ASL)	+31(0)30-2414500
APS Professional Video Products	718-628-6800
Audio Accessories Inc	603-446-3335
Avitel Electronics Ltd	+44(0)1816 55-3200
AVP Manufacturing & Supply Inc	519-740-7966
Avtech Systems Inc	201-833-8777
Belden Wire & Cable Company	317-983-5200
BGW Systems Inc	310-973-8090
Broadcast Equipment & Parts	561-790-4192
Cabletek Electronics Ltd	604-942-1001
CAE/Carmen Abato Enterprises	714-895-1887
Complex Corp	316-342-7743

**CANARE** **818-365-2446**

Clark Wire & Cable	847-949-9595
Cole Wire & Cable Co Inc	847-674-2210
Comprehensive Video Group	201-229-0025
COMWAVE	717-474-6751
Connectronics Corp	203-375-5577
Continental Electronics Corp	214-381-7161
DGS Pro Audio	817-561-4888
Diamond SA	+41 91 7854545
Dielectric Communications	207-655-4555
DT Electronics Ltd	+44(0)1203-466500
DTL Broadcast Ltd	+44(0)181-813-5200

**STABILANT 22**

**DW Electrochemicals Ltd** **905-508-7500**

Edac Inc	416-754-3322
Ergo	714-992-0874
Evolving Video Technologies	303-456-1450
Extron Electronics	714-491-1500
FM Acoustics Ltd	+41-1-725-7777
Fotec Inc	617-396-6155
Full Compass Systems Ltd	608-831-7330
Fuller Manufacturing Inc	818-500-0116
Gabriel Electronics Inc	207-883-5161
GC Thorsen Inc	815-968-9661
General Devices Co Inc	317-897-7000
<b>Gentner Communications Corp</b>	<b>801-975-7200</b>
Gepeco International	312-733-9555
Gotham Ltd	+41 1 840-0144
Green Dot Audio	615-367-9242
Har-Ken Specialties	201-373-2762
HAVE Inc	518-828-2000
Richard Hirschmann GmbH	+43-5522-307-520
Hubbell Inc Wiring Device - Kellems	203-882-4800
ict GmbH	+49-7025-1020
Imagine Products Inc	317-843-0706
Inline Inc	310-690-6767
Insulated Wire Inc	203-791-1999
ITI Electronics Inc	201-882-6405
Jensen Tools Inc	602-968-6231
J-Lab	310-457-4090
Kings Electronics Co Inc	914-793-5000
Kintronix Labs Inc	423-878-3141
LBA Technology	919-757-0279

**Neutrik USA** **908-901-9488**

Newark Electronics	800-298-3133
Nickless Schirmer & Company	606-727-6640
ORA Electronics	818-772-2700
Packaged Lighting Systems Inc	914-778-3515
Panduit Corp	708-532-1800
Penny & Giles Inc	310-452-4995
Penstock Inc	408-730-0300
Philips Broadband Networks Inc	315-682-9105
Photomart Cine-Video Inc	407-851-2780
Plasmec Systems Ltd	+44-1252 721236
PRECO (Broadcast Systems) Ltd	+44-181-644-4447
Quality Video Supply	201-229-9800
Ram Broadcast Systems	847-382-7575
Rapco International	800-467-2726
Rathbone Energy Systems Inc	770-975-8052
RCI Systems Inc	301-984-1800
Reliance Comm/Tec	216-246-6967
RF Industries	619-549-6340
RF Systems	203-239-3311
The Rip-Tie Co	415-543-0170
Satellite Export & Engineering	517-629-5990
Sescom Inc	702-565-3400
SSL Industries Inc	916-644-0233
Switchcraft Inc	773-631-1234
Techni-Tool Inc	610-825-4990
Technosystem SPA	+39(0) 6 2280396
Telecast Fiber Systems	508-754-4858
Telect Inc	509-926-6000
Tel-Test Inc	352-374-4503
Tenco Tower Co	916-638-8833
Teracom Components AD	+46-415-16400
<b>Trompeter Electronics Inc</b>	<b>818-707-2020</b>
U.S. Audio	716-663-8820
VEAM/Litton Systems Inc	860-274-9681
Videoquip Research Ltd	416-293-1042
Viewsonics Inc	561-998-9594
Whirlwind	716-663-8820
<b>Wireworks Corp</b>	<b>908-686-7400</b>
Woods Industries	317-844-7261

### CABLE, CONNECTORS - AUDIO

Allen Avionics Inc	516-248-8080
Ampco Sound Lab (ASL)	+31(0)30-2414500
Apogee Electronics Corp	310-915-1000
Avtech Systems Inc	201-833-8777
Belden Wire & Cable Company	317-983-5200

**CANARE** **818-365-2446**

C-COR Electronics Inc	814-238-2461
Channel Master	919-934-9711
Clark Wire & Cable	847-949-9595
Cole Wire & Cable Co Inc	847-674-2210
Comm/Scope	704-324-2200
DGS Pro Audio	817-561-4888
<b>DW Electrochemicals Ltd</b>	<b>905-508-7500</b>
Edac Inc	416-754-3322
EDCOR Electronics	505-887-6790
Extron Electronics	714-491-1500
FM Acoustics Ltd	+41-1-725-7777
Gepeco International	312-733-9555
Iptek	760-438-8362
MIT Inc	+81-3-3439-3755
Nemal Electronics Int'l	305-899-0900
Neutrik AG	+41-75-237-2424

### CABLE, CONNECTORS-NETWORKS

Ampco Sound Lab (ASL)	+31(0)30-2414500
B&B Electronics Mfg Co	815-433-5100
Belden Wire & Cable Company	317-983-5200
Cole Wire & Cable Co Inc	847-674-2210
Contact East Inc	508-682-2000
<b>DW Electrochemicals Ltd</b>	<b>905-508-7500</b>
Gabriel Electronics Inc	207-883-5161
Gepeco International	312-733-9555
Hubbell Inc Wiring Device - Kellems	203-882-4800
Nemal Electronics Int'l	305-899-0900
Trylon TSF	519-669-5421
<b>Wireworks Corp</b>	<b>908-686-7400</b>

### CABLE, CONNECTORS-VIDEO

ADC Telecommunications Inc	612-938-8080
Alpha Wire Corp	908-925-8000
Altinex	714-524-5400
Anritsu Wiltron	408-776-8300
Avtech Systems Inc	201-833-8777
Belden Wire & Cable Company	317-983-5200
Cabletek Electronics Ltd	604-942-1001
CAE/Carmen Abato Enterprises	714-895-1887

# Product Directory

## ANARE

CANARE 818-365-2446

Clark Wire & Cable 847-949-9595  
 Cole Wire & Cable Co Inc 847-674-2210  
 CommScope 704-324-2200  
 Comprehensive Video Group 201-229-0025  
**DW Electrochemicals Ltd** 905-508-7500  
 Extron Electronics 714-491-1500  
 Gabriel Electronics Inc 207-883-5161  
 Gepco International 312-733-9555  
 Gold Line Inc 203-938-2588  
 Hubbell Inc Wiring Device - Kellems 203-882-4800  
 Inline Inc 310-690-6767  
 Nema Electronics Int'l 305-899-0900  
 Network Technologies Inc 216-562-7070  
 Quality Video Supply 201-229-9800  
 Telect Inc 509-926-6000  
**Wireworks Corp** 908-686-7400

### CAMERA ACCESSORIES

AMX Corp 972-644-3048  
 APS Professional Video Products 718-628-6800  
 Avtech Systems Inc 201-833-8777  
 Belden Wire & Cable Company 317-983-5200  
 Birns & Sawyer Inc 213-466-8211  
 CAE/Carmen Abato Enterprises 714-895-1887  
 Camplex Corp 316-342-7743  
**CANARE** 818-365-2446  
 Century Precision Optics 818-766-3715  
 Clark Wire & Cable 847-949-9595  
 Cole Wire & Cable Co Inc 847-674-2210  
 Command Corp 813-724-1220  
 Communications Marketing & Consulting 914-356-5300  
 Crestron 201-894-0660  
 CSI Camera Support International 818-887-5430  
 DSC Labs 905-673-3211  
**DW Electrochemicals Ltd** 905-508-7500  
 EWA-Marine - Ste-Man Inc 805-520-4768  
 FM Systems Inc 714-979-3355  
 Force Inc 540-382-0642  
 Gepco International 312-733-9555  
**Hitachi Denshi America Ltd** 310-328-6116  
 Innovation Optics 310-394-5510  
 J-Lab 310-457-4090  
 JVC +81 426-60-7560  
 K&H Products Ltd 802-442-8171  
 Lee Filters 818-238-1220  
 Blaine Lentz Lighting Assoc 818-887-7148  
 Marshall Electronics Optical Systems 310-390-6608  
 MilesTek Inc 817-455-7444  
 MIT Inc +81-3-3439-3755  
 Nema Electronics Int'l 305-899-0900  
 Newark Electronics 800-298-3133  
 Nikon Inc 908-758-0308  
 Nytone Inc 801-973-4090  
 OpTex +44(0)181-4412199  
 Panasonic Broadcast & Television 800-524-0864  
 PERROTT The Battery People 703-532-0700  
 Philips Broadcast Television Systems +49(0)6155870-0  
 Photomart Cine-Video Inc 407-851-2780  
 Radamec Broadcast Systems Ltd +44(0)1932-561181  
 Radamec Inc 918-518-0685  
 Rapco International 800-467-2726  
 Rathbone Energy Systems Inc 770-975-8052  
 The M S Russin Group Inc 561-496-0993  
 Sony Business & Professional 201-930-6576  
 Sony Electronics 201-930-7834  
 Sony Electronics 408-432-1600  
 Telemetrics Inc 201-848-9818  
 Thomson Broadcast 201-569-1650  
 Troll Technology Corp 805-295-0770  
**Trompeter Electronics Inc** 818-707-2020  
 Tron-Tek Inc 918-663-4877  
 Vicon Industries Inc 516-293-2200

### CAMERA SUPPORT

Aerial Films Inc 201-984-6680  
 Amtel Systems Inc 416-251-2748  
 AMX Corp 972-644-3048  
 APS Professional Video Products 718-628-6800

Arriflex Corp 914-353-1400  
 Birns & Sawyer Inc 213-466-8211  
 Bogen Photo Corp 201-818-9500  
 Camera Support International (CSI) 818-887-5430  
 CamMate Systems/Studios 602-813-9500  
 Canon USA Inc 201-816-2900  
 Cartoni USA 805-520-6086  
 CHProducts 760-598-2518  
 Chapman/Leonard Studio Eqpt 818-764-6726  
 Chapman/Leonard Studio & Production Cntr 407-851-3456  
 Cinekinetic +61(9)459-3690  
 Cinekinetic USA 702-731-4700  
 Cinema Products Corp 310-836-7991  
 Command Corp 813-724-1220  
 Communications Marketing & Consulting 914-356-5300  
 Comprehensive Video Group 201-229-0025  
 CSI Camera Support International 818-887-5430  
 Directed Perception Inc 415-342-9399  
 Eagle Systems 208-467-9980  
 Eqrpmnt USA Inc 818-787-4295  
 Fujinon Inc 201-633-5600  
**Hitachi Denshi America Ltd** 310-328-6116  
 Innovation Optics 310-394-5510  
 Keystone Metal Products Inc 818-846-9210  
 Light Wave Systems 818-780-3002  
 The Lightmaker Co  
 Camera Platforms Int'l 805-257-1444  
 Peter Lisand Corp 201-943-5600  
 Matthews Studio Equipment 818-843-6715  
 Miller Fluid Heads +61-2-4396377  
**Miller Fluid Heads (USA) Inc** 201-857-8300  
 News/Sports Microwave Rental Inc (NS) 619-670-0572  
**Nucomm Inc** 908-852-3700  
**O'Connor Engineering** 714-979-9339  
 OpTex +44(0)181-4412199  
 ParkerVision 904-737-1367  
 Penny & Giles Inc 310-452-4995  
 Photomart Cine-Video Inc 407-851-2780  
 Precision Specialties Inc 818-349-9774  
 Pro Battery Inc 770-449-5900  
 Quality Video Supply 201-229-9800  
 Quickset International Inc 708-498-0700  
 Radamec Broadcast Systems Ltd +44(0)1932-561181  
 Radamec Inc 918-518-0685  
 The M S Russin Group Inc 561-496-0993  
**Sachtler Corp of America** 516-867-4900  
 Shotmaker Dollies & Cranes 805-257-1444  
 SVS Inc 303-766-9505  
 Telemetrics Inc 201-848-9818  
 Tiffen Mfg Corp 516-273-2500  
 TMT electronics AG +41 31-771-2829  
 Troll Technology Corp 805-295-0770  
 Velbon International Corp 310-530-5446  
 Vicon Industries Inc 516-293-2200  
 Vinten Broadcast Ltd +44(0)1284 752 121  
 Vinten TSM 914-268-0100

### CAMERA SUPPORT-ROBOTIC

Aerial Films Inc 201-984-6680  
 Camera Support International (CSI) 818-887-5430  
 Command Corp 813-724-1220  
 Directed Perception Inc 415-342-9399  
 Eqrpmnt USA Inc 818-787-4295  
 FLIR Systems 707-526-6659  
 Fujinon Inc 201-633-5600  
 Innovation Optics 310-394-5510  
 News/Sports Microwave Rental (NS) 619-670-0572  
 ParkerVision 904-737-1367  
 Radamec Broadcast Systems +44(0)1932-561181  
 Radamec Inc 918-518-0685  
 Vinten TSM 914-268-0100

### CAMERA TUBES

Avtech Systems Inc 201-833-8777  
 Burle Industries Inc 717-295-6000  
 Daily Electronics Corp 360-896-8856  
 DLE Inc 508-947-6801  
 EEV 914-592-6050  
 Elmo Mfg Corp 516-775-3200  
 Image Devices Int'l 305-945-1117  
 MII 610-582-7560

MSC Electronics Ltd 905-731-9500  
 Nytone Inc 801-973-4090  
 Philips Broadcast Television Systems +49(0)6155870-0  
 Philips Broadcast Television Systems 805-584-4700  
 Philips Components 561-745-3300  
 Philips Components 401-762-3800  
 Sony Business & Professional 201-930-6576  
 Superscope Technologies/Marantz 630-820-4800  
 Teltron Technologies Inc 610-582-2711  
 Thor Electronics Corp 908-486-3300  
 Toshiba Corp +81(0)334573244  
 Video Engineering Ltd +44-171-434-9751

### CAMERAS, CAMCORDERS

APS Professional Video Products 718-628-6800  
 Avtech Systems Inc 201-833-8777  
 Balboa Capital Corp 714-756-0800  
 Camera Support International (CSI) 818-887-5430  
 Camplex Corp 316-342-7743  
 Canford Audio +44-191-4170057  
 Canon USA Inc 201-816-2900  
 Command Corp 813-724-1220  
 Communications Marketing & Consulting 914-356-5300  
 Elmo Mfg Corp 516-775-3200  
 Full Compass Systems Ltd 608-831-7330  
 ict GmbH +49-7025-1020  
 Ikegami Electronics (USA) Inc 201-368-9171  
 Innovation Optics 310-394-5510  
 JVC Professional Products Co 201-794-3900  
 JVC +81 426-60-7560  
**LEDtronics Inc** 310-534-1505  
 Light Wave Systems 818-780-3002  
 Marshall Electronics Optical Systems 310-390-6608  
 NEC America, Broadcast Eqpt 972-7511-7246  
 L E Nelson Sales Corp 702-367-3656  
 Nikon Inc 908-758-0308  
 Nytone Inc 801-973-4090  
 OpTex +44(0)181-4412199  
 Panasonic Broadcast & Television 800-524-0864  
 ParkerVision 904-737-1367  
 Philips Broadband Networks Inc 315-682-9105  
 Philips Broadcast Television Systems +49(0)6155870-0  
 Philips Broadcast Television Systems 805-584-4700  
 Sanyo 310-605-6527  
 Sony Business & Professional 201-930-6576  
 Sony Electronics 201-930-7834  
 Sony Electronics 408-432-1600  
 Television Engineering Corp 573-860-4700  
 Thomson Broadcast 201-569-1650  
 Toshiba Corp +81(0)334573244  
 Videotex Systems 972-231-9200  
 Visual Methods Inc 201-666-3950

### CAPTIONING

**ASACA/ShibaSoku** 310-827-7144  
 AVS Graphics Ltd +44(0)1990003220  
 Broadcast Video Systems Ltd 905-764-1584  
 Caption Colorado 303-295-3376  
 Cheeth Systems 510-656-0700  
 CPC/Computer Prompting & Captioning Co 301-738-8487  
**Digital Graphix** 201-845-8900  
 DT Electronics Ltd +44(0)1203-466500  
 EEG Enterprises Inc 516-293-7472  
 Evertz Microsystems Ltd 905-335-3700  
 Evolving Video Technologies 303-456-1450  
 FastCap/Silent Software 615-832-8314  
 Image Logic Corp 301-907-8891  
 Imatex Communications Inc 514-875-8680  
 Inscribe Character Generator 416-391-4500  
 Interface Engineering Corp 416-510-1051  
 ISC Datacom 972-234-2691  
 JLC Cooper Electronics 310-306-4131  
 Mainframe Computer Graphics Ltd 416-391-4500  
 MicroVideo Ltd +44(0)1223834119  
 Microvideo USA Inc 203-393-0598  
 Norpak Corp 613-592-4164  
 Outland Technology Inc 504-367-0104  
 Pixel Power Ltd +44(0)1223-423399  
 Skotel Corp 514-333-7989  
**Softel Systems** +44(0)118-9842151  
 Sony Electronics 201-930-7834



# Product Directory

Sony Electronics 408-432-1600  
 Tektronix NewStar 608-274-8686  
 ULTECH Corp 203-735-5805  
 VG Broadcast +44-1444-413443  
 VG Electronics Ltd +44(0)1424 446888  
 Video Data Systems 516-231-4400  
 Wiltronix Inc 301-258-7676

## CARTS - UTILITY

Advance Products 316-263-4231  
 Anthro Corp 503-691-2556  
 Apollo Presentation Products 516-467-8033  
 Audiopak Inc 540-667-8125  
 Bretford Mfg Inc 847-678-2545  
 Clipper Products 513-528-7011  
 Comprehensive Video Group 201-229-0025  
 Da-Lite Screen 219-267-8101  
 Denon Electronics 201-575-7810  
 Display Devices Inc 303-297-1754  
 Hoodman Corp 310-379-6391

**REMIN**  
  
**Kart-A-Bag 815-723-1940**

Lucasey Mfg Corp 510-534-1435  
 Luxor Corp 847-244-1800  
 Naipak Video Sales Inc 619-258-1200  
 Neumade Products Corp 203-866-7600  
 Parsons Mfg Corp 415-324-4726  
 Peerless Industries Inc 708-865-8870  
 Perma Power Electronics Inc 847-940-0010  
 Photomart Cine-Video Inc 407-851-2780  
 PRECO (Broadcast Systems) Ltd +44-181-644-4447  
 Quality Video Supply 201-229-9800  
 Sonifex Ltd +44(0)1933 650700  
 Sony Electronics 201-930-7834  
 Star Case Mfg Co Inc 219-922-4440  
 SVS Inc 303-766-9505  
 Techni-Tool Inc 610-825-4990  
 Vantage Point Products Corp 310-949-4886  
 Winsted Corp 612-944-9050

## CATV SYSTEM COMPONENTS

AMCO Engineering Co 847-671-6670  
**ASC Audio Video 818-843-7004**  
 AVCOM of Virginia Inc 804-794-2500  
 Barco Inc 770-218-3200  
 Blonder-Tongue Labs Inc 908-679-4000  
 C-COR Electronics Inc 814-238-2461  
 Channel Master 919-934-9711  
 Clark Wire & Cable 847-949-9595  
 Cole Wire & Cable Co Inc 847-674-2210  
 Comband/Microwave Filter Co 315-437-3953  
 Compix Media 213-487-8222  
 Dawn Satellite 810-391-9200  
 dB Technologies 213-845-1155  
 DH Satellite 608-326-8406  
**Dubner International Inc 201-664-6434**  
 FM Systems Inc 714-979-3355  
 Frequency Products Inc 415-364-0600  
 General Instrument Corp 215-674-4800  
 Gepco International 312-733-9555  
 Richard Hirschmann GmbH +43-5522-307-520  
**Hotronic Inc 408-378-3883**  
 Iptek 760-438-8362  
 JVC Professional Products Co 201-794-3900  
 Kathrein-Werke KG +49-08031-184-0  
 Leightonix 517-694-8000  
 Lindsay Specialty Products 705-324-2196  
 Marcom 408-438-4273  
 Meret Communications 619-558-3960  
 Meret Optical Communications 310-828-7496  
 Microwave Filter Co Inc 315-437-3953  
 Nickless Schirmer & Company 606-727-6640  
 Nuova ELIT +39 2 3340-2992  
**Opticomm Corp 619-450-0143**  
 Philips Broadband Networks Inc 315-682-9105  
 Pioneer New Media Technologies 310-952-2111  
 Rohde & Schwarz Inc 301-459-8800  
 Rohde & Schwarz GmbH +49-89-41292321  
 Satellite Export & Engineering 517-629-5990

Scala Electronic Corp 541-779-6500  
 Shively Labs 207-647-3327  
 Sony Electronics 201-930-7834  
 Standard Communications Corp 310-532-5300  
 Sun Microsystems  
 Interactive Services 415-969-1300  
 Telecast Fiber Systems 508-754-4858  
 TFT Inc 408-727-7272  
 Trilithic Inc 317-895-3600  
**Videotek Inc 610-327-2292**  
 Viewsonics Inc 561-998-9594  
 Wavetek Corp/Instrument Div 619-279-2200  
**Wegener Communications Inc 770-623-0096**

## CD PLAYERS-AUDIO

Audio Design +44(0)1734-844545  
 Balboa Capital Corp 714-756-0800  
 Broadcast Equipment & Parts 561-790-4192  
 BSW-Broadcast Supply Worldwide 206-565-2301  
 Canford Audio +44-191-4170057  
 Continental Electronics Corp 214-381-7161  
 DATAMAX Digital Systems 714-586-9907  
 Denon Electronics 201-575-7810  
 EuroSon America Inc 516-273-4200  
 Full Compass Systems Ltd 608-831-7330  
 Gefen Systems 818-884-6294  
 Grozik Associates 414-355-4460  
 Kowa Optimed Inc 310-327-1913  
 LPB Inc 610-644-1123  
 The Management 817-625-9761  
 Marantz Professional +31(0)40-2734589  
 MicroNet Technology Inc 714-453-6100  
 Optical Media International 408-376-3511  
 Photomart Cine-Video Inc 407-851-2780  
 Pinnacle Micro 714-789-3000  
 Pioneer New Media Technologies 310-952-2111  
 PRECO (Broadcast Systems) +44-181-644-4447  
 Professional Management Services 864-370-2400  
 Sony Electronics 201-930-7834  
 Stage Tech Developments AB +46-40-150-018  
 Studer Professional Audio AG +41 1 870-7511  
 Studer Editech 615-391-3399  
 Superscope Technologies/Marantz 630-820-4800  
 TASCAM/Teac Profession 213-726-0303  
 Wide Range Electronics 314-230-7178

## CHARACTER GENERATORS, TITLING

Adwar Video 516-349-1800  
 APS Professional Video Products 718-628-6800  
 Aston Electronic Designs Ltd +44(0)1252-836221  
 AVS Graphics Ltd +44(0)1990 003220  
 Burst Electronics Inc 505-898-1455  
 Chyron Corp 516-845-2026  
 Compix Media 213-487-8222  
 CPC/Computer Prompting & Captioning Co 301-738-8487  
**Digital Graphix 201-845-8900**  
 Display Systems Int'l Inc 306-934-6884  
 DTL Broadcast Ltd +44(0)181-813-5200  
 Dynatech Cable Products 801-328-8872  
 EEG Enterprises Inc 516-293-7472  
 ERI - Electronics Research 812-925-6000  
 Evolving Video Technologies 303-456-1450  
 For-A Co Ltd +81-3-3446-3936  
 For-A Corp of America 714-894-3311  
 Horita 714-489-0240  
 Image Logic Corp 301-907-8891  
 Image Video 416-438-3940  
 InnoVision Technology 510-638-0800  
 Inscribe Character Generator 416-391-4500  
 Interface Engineering Corp 416-510-1051  
 Knox Video 301-840-5805  
 Matrox Electronic Systems 514-685-2630  
 MFJ Enterprises Inc 601-323-5869  
 Microtime Inc 860-242-4242  
 Multidyne Inc 516-671-7278  
 Newtek Inc 913-228-8000  
 Panasonic Broadcast & Television 800-524-0864  
 PESA Switching Systems Inc 205-726-9200  
 Photomart Cine-Video Inc 407-851-2780  
 Pixel Power Ltd +44(0)1223-423399  
 Play Incorporated 916-851-0800  
 QSI Systems Inc 603-893-7707  
 Softimage 818-365-1359

Spaceward Graphics Ltd +44(0)1353741222  
 Sumitomo Electric USA Inc 310-782-0227  
 Target Vision 800-724-4044  
 Teledac Inc 514-671-7762  
 Texscan MSI 801-359-0077  
 Triavest 415-920-620  
 ULTECH Corp 203-735-5805  
 Utah Scientific 801-575-8801  
 Video Data Systems 516-231-4400  
 Videonics 408-866-8300  
 XAOS Tools 415-538-7000  
 Yamashita Engineering Mfg Inc +81 440462 288883

## CHEMICALS, CLEANING ACCESSORIES

CAIG Laboratories Inc 619-451-1799  
 Comprehensive Video Group 201-229-0025  
**DW Electrochemicals Ltd 905-508-7500**  
 E C Mitchell Co Inc 508-774-1191  
 Products International 301-587-7824  
 Quality Video Supply 201-229-9800  
 Sony Electronics 201-930-7834  
 Techni-Tool Inc 610-825-4990  
 TECH-SA-PORT 412-661-1620  
 Tek Media Supply Co 847-677-3000

## CLOCKS, TIMERS

AAEV SRL +39 51 950249  
 Autogram Corp 972-424-8585  
 AVS Graphics Ltd +44(0)1990 003220  
 BAI Systems Inc 215-547-7133  
 Circuit Research Labs Inc 602-438-0888  
 W Clark & Associates Ltd 309-837-2244  
 Continental Electronics Corp 214-381-7161  
 DTL Broadcast Ltd +44(0)181-813-5200



**ESE 310-322-2136**

Evertz Microsystems Ltd 905-335-3700  
 GP Enterprises Inc 512-749-7026  
 HES Electronics +32 (2) 466-8180  
 Horita 714-489-0240  
**Leitch Inc 757-548-2300**  
 maney-logic 608-277-8001  
 Ram Broadcast Systems 847-382-7575  
 Sonifex Ltd +44(0)1933 650700  
 Tally Display Corp 914-365-6393  
 Vistek Electronics Ltd +44(0)1628 531221  
 Vortex Communications +44(0)1815 792743  
 Wiltronix Inc 301-258-7676

## COMMERCIAL INSERTION SYSTEMS

ADT (Applied Digital Technology) 352-338-0516  
 AEV SRL +39 51 950249  
 Alamar USA Inc 408-866-9373  
 American Broadcast Systems Inc 512-837-3737  
 APS Professional Video Products 718-628-6800  
**ASACA/ShibeSoku 310-827-7144**  
**ASC Audio Video 818-843-7004**  
 AVID Techno-ogy Inc 508-640-6789  
 BCD Associates 405-843-4574  
 Channelmatic Inc 619-445-2691  
 Chyron Corp 516-845-2026  
 Columbine Systems 303-237-4000  
 Command Corp 813-724-1220  
 Commtek Antenna Systems Inc 407-892-6111  
 FSR Inc 201-785-4347  
 IBM 914-642-5886  
 Image Logic Corp 301-907-8891  
 Imagine Products Inc 317-843-0706  
 Leightonix 517-694-8000  
**Louth Automation 415-843-3665**  
 MATCO Inc 408-353-2670  
 McCurdy Radio Industries Ltd 416-248-6155  
 The Network Connection Inc 770-751-0889  
 NewsMaker Systems Inc 818-879-0000  
**Odetics Broadcast 714-774-2200**  
 Panasonic Broadcast & Television 800-524-0864  
 Philips Broadcast Television Systems +49(0)6155 870-0



# LEADER INSTRUMENTS CORPORATION



Leader's Headquarters in Hauppauge, NY



Leader's West Coast Sales Office in Cypress, CA

It's been the only business of Leader for more than forty years: precision test equipment to meet the needs of manufacturing, R&D, TV production and service. And now recognized throughout the world as a major supplier of test instruments that stay ahead of a burgeoning technology while maintaining a watchful eye on quality, reliability, cost-effectiveness, and the total satisfaction of those who rely on test equipment for answers and productivity.

## DEDICATION TO TECHNICAL EXCELLENCE

Engineering has been the guiding force at Leader since its inception. Its early reputation grew from collaborative work with internationally-known electronics manufacturers in the design and assembly of production-line instrumentation. This required close interaction with the user to ensure peak performance, avoidance of down time and the maintenance of customer confidence. Lessons learned in this endeavor have been infused into the psyche of Leader people. Today's work force, 25% of them engineers, has not forgotten the early lessons, and strive continually for excellence in design, painstaking attention to detail in the selection of materials and assembly, and thorough testing from subassembly stages to the final product. Prototypes are built and tested to withstand environmental and other factors far in excess of the actual conditions under which the equipment is

## Test & Measurement Leader's Driving Force

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Leader sells and supports its test instruments through a network of sales and service operations in 49 countries. Sales in the US are handled by professional, independent distributors that are supported by Leader facilities with sales and service operations on both coasts: Hauppauge, NY (the corporate headquarters of Leader Instruments Corporation) and Cypress, CA. Support activities include technical consultation before and after sales, documentation, in warranty and post warranty service and calibration. Leader's confidence in the quality of its instruments is reflected in a two-year warranty.

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### LT 425D Digital Component Signal Generator

A precision test source for digital-component facilities, the LT 425D offers one parallel and four serial outputs (one digital black.) AES/EBU digital audio may be embedded in the serial data stream, but is also available as a separate output. Test signals are tailored to digital operations and include the SDI checkfield and a programmable moving marker and switched stills for compression tests. A programmable 20-character source ID, calendar and clock rounds out the full list of operating options.

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### LV 5100D Component Digital and Analog Combination Waveform Monitor & Vectorscope

Designed specifically for use with mixed digital and analog component video systems, the LV 5100D's multi-functional design provides ease of use for operations staff as well as detailed signal analysis features for engineering personnel. Two serial data inputs facilitate monitoring and testing the digital video side while one analog (3 wire) input permits monitoring and testing the analog side. Stereo analog audio monitoring is also provided. This micro-processor controlled instrument provides the utmost in flexibility — from component analog video tests to EDH monitoring and viewing detailed HEX data on the digital side — the LV 5100D represents the state-of-the-art in video testing technology.

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### Models 5222/5212 NTSC/PAL Waveform Monitor and Vectorscope

Model 5222 NTSC/PAL/SECAM Waveform Monitor's eight channel operation in A/B groups of four allows comparisons in component operations, and syncs from CH1 or CH4 in either group plus external reference. Component operations use overlay and parade waveforms with timing (bowtie) display. Extensive menu control of setups with extra features such as 0.5% cursors, picture display, dual filter and GBR, YGBR. The NTSC/PAL Vectorscope, Model 5212's overlay display of 3 (actually 4) vector sets simplifies phase matching, and semi-automatic systems speed high resolution readout of DG or DP. Mode keys select VECTOR, DG, DP or XY, the latter for stereo phase/level monitoring. Remote control via the 5222 with unblanking for vector line select.

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### Model 408/408NPS NTSC and NTSC/PAL/SECAM Test/Sync Generators

Microprocessor control and digital synthesis give the 408 and 408NPS extreme flexibility in test signal programming of both video and RF outputs. Signals available simultaneously include composite video, Y/C, Y/R-Y/B-Y, GBR, full sync generator outputs, audio test tones (400 Hz and 1 kHz) and modulated output from 30 to 900 MHz. Multiple test patterns include wide and narrow video sweeps and multiburst with last burst variable to 15 MHz. Signal modifiers include polarity inversion, superimposed circle and moving marker as well as on/off control of burst, sync, luminance, chroma, R, B and G. Genlock and remote control are standard. GPIB is available as an option. The 408 operates in the NTSC system while the 408NPS extends all operating features into PAL and SECAM as well.

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### Models 5864A/5854/413S – EFP/ENG Instruments

Designed for EFP and ENG (Electronic Field Production and Electronic News Gathering), this group of instruments adds full monitoring means to field operations. Model 5864A Waveform Monitor handles two channels for camera, camcorder or video link operations. Controls are simplified to include H Mag (X1-X5), 2H or 2V DISPLAY, FLAT or LUM FILTER, gain 1V or 2.25V full scale and A/B INPUT select. Model 5854, a two-channel vectorscope, provides precision checkout of encoder alignment, camera balance and genlock phase. Selectors

pick A or B inputs for display or phase reference. Gain is fixed or variable, and includes a 5X gain boost for balance checks. Model 413S provides a reference source of video and audio for system checks, tape leaders and source ID. Signals include 100% flat white field, EIA, SMPTE and SNG color bars. The latter is designed for satellite operations. An XLR connector feeds balanced audio at 400 or 1000 Hz at 0 dB. Of particular value is a programmable character source ID that may be placed at two on-screen locations.

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### Model 5835 Stereo Audio Monitor

Stereo audio operations require tight control of relative L and R amplitude and phase to preserve directional response and to prevent serious degradation of the mono (L+R) signal in the event of accidental inversion of one audio feed. The 5835 provides the means of monitoring amplitudes and relative phase and will set off an alarm in the event of a significant, prolonged L-R component resulting from inadvertent polarity inversion. The CRT is blanked for prolonged silent intervals to prevent CRT spot burn.

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### Model 5836A Surround-Sound Monitor

A multi-channel audio monitor to meet the monitoring needs of surround-sound productions, Model 5836A displays the surround-sound image in several formats and accepts up to five channels for left/center/right/surround, and left/center/right/left-surround/right-surround systems. In addition, an X-Y (Lissajous) phase display may be selected between any pair of channels.

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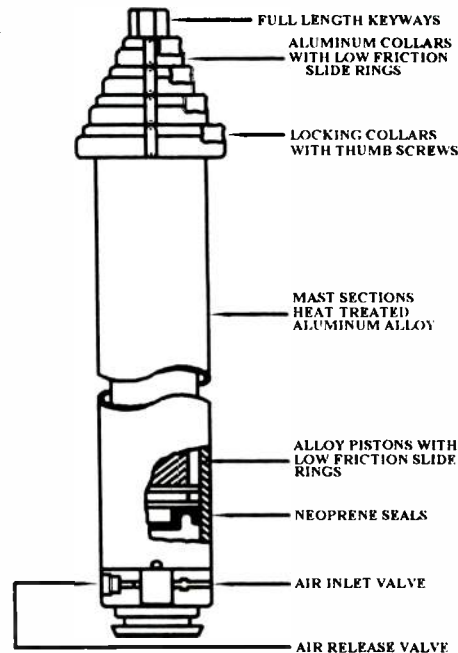
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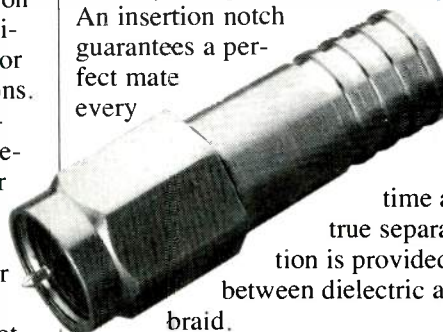
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+852-2573-1183  
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415-495-3852  
760-631-8021  
206-353-7400  
312-733-9555  
+41 1 840-0144  
+44-1636-893036  
219-398-2362  
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804-984-4255  
217-222-8200  
317-962-8596  
518-828-2000  
305-477-0063  
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714-557-0111 x 114  
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913-235-3481  
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818-994-6602  
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313-761-4506  
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615-783-1625  
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607-272-2060  
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Camplex Corp	316-342-7743
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Tekniche Ltd	+44(0)1483-728006
Tektronix Video & Network Div	800-547-8949
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Textronix/Grass Valley Products	916-478-3000
Trilogy Broadcast Ltd	+44(0)1264-332033
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<b>Dubner International Inc</b>	<b>201-664-6434</b>
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 EDX Engineering Inc 541-345-0019  
 HES Electronics +32 (2) 466-8180  
 IHS Communications Products 303-486-1745  
 Imagine Products Inc 317-843-0706  
 JNS Electronics Inc 408-729-3838  
 Lazerus 510-339-6263  
 The Network Connection Inc 770-751-0889  
**Ogenic On Air Systems** 619 479 1711  
 Philips Broadcast  
 Television Systems 805-584-4700  
 QSC Audio Products Inc 714-754-6175  
 ScheduALL by VisuAll Inc 305-651-6241  
 Schmid Telecommunication America 609-742-1878  
 Shuttlesound Ltd +44(0)181687-2523



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SoftWright LLC 303-344-5486  
 Viagrafix - Design CAD Division 918-825-7555  
 V-Soft Communications 319-266-8402  
 Wind River Broadcast Center 970-669-3442  
 Xymox Systems 818-786-8801

## FIBER OPTIC EQUIPMENT-AUDIO

Cabletek Electronics Ltd 604-942-1001  
 C-COR Electronics Inc 814-238-2461  
 GPrime Ltd 212-765-3415  
 IRT Electronics Pty Ltd +61 2 4393744  
 Lighthouse Digital Systems 916-272-8240  
 Meret Communications 619-558-3960  
 MSC Electronics Ltd 905-731-9500  
 NTP Elektronik A/S +45 4453 1188



**Opticomm Corp 619-450-0143**

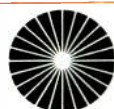
Telect Inc 509-926-6000  
 Daniel Weiss Engineering Ltd +41-1-940-2006

## FIBER OPTIC EQUIPMENT-VIDEO

ADC Telecommunications Inc 612-938-8080  
 Avtech Systems Inc 201-833-8777  
 Cabletek Electronics Ltd 604-942-1001  
 C-COR Electronics Inc 814-238-2461  
 Cinema Products Corp 310-836-7991  
 Dawn Satellite 810-391-9200  
**Fiber Options Inc 516-567-8320**  
 Iptek 760-438-8362  
 IRT Electronics Pty Ltd +61 2 4393744  
**Kramer Electronics 201-229-1059**  
 Lighthouse Digital Systems 916-272-8240  
 Lightwave Communications Inc 203-878-9838  
 Matthey Electronics +44-1782-524919  
 Meret Communications 619-558-3960  
 MSC Electronics Ltd 905-731-9500  
 Nuova ELIT +39 2 3340-2992



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**ORTEL CORPORATION**

**Ortel Corp 818-281-3636**

Tekniche Inc 201-784-2288  
 Television Equipment - Matthey 914-763-8893  
 Wiltronix Inc 301-258-7676

## FILM EQUIPMENT, SERVICES

Arriflex Corp 914-353-1400  
 AVID Technology Inc 508-640-6789  
 BCD Associates 405-843-4574  
 Birns & Sawyer Inc 213-466-8211  
 Buhl Optical Co 412-321-0076  
 Captain Video's 410-335-4662  
 Cintel International Ltd +44(0)1920-463939  
 CoarcVideo 518-672-4451  
 Cycle-Sat Inc 312-670-5100  
 Da Vinci Systems 954-484-8100  
**DW Electrochemicals Ltd 905-508-7500**  
 Egripment USA Inc 818-787-4295  
 Eimo Mfg Corp 516-775-3200  
 Evert Microsystems Ltd 905-335-3700  
 Hero Productions 305-887-1600  
 Image Design Film Technologies 213-655-7595  
 Imagica Corp 310-306-4180  
 Innovation TK +44 1992 553533  
 KABA Research & Development 415-883-5041  
 Keystone Metal Products Inc 818-846-9210  
 Lipsner-Smith Co 847-677-3000  
 L-W Athena Inc 805-522-3284  
 Neumade Products Corp 203-866-7600  
 Optical Media International 408-376-3511  
 Options International 615-327-8090

Pandora International Ltd +44-1474-561000  
 Philips Broadcast Television Systems +49(0)6155 870-0  
 Philips Broadcast Television Systems 805-584-4700  
 Photomart Cine-Video Inc 407-851-2780  
**Quantel Inc 203-656-3100**  
 QuVis 415-457-3005  
 Rangertone Research 201-751-6833  
 RTI-Research Technology International 847-677-3000

## Sachtler AG-

**Kommunikationstechnik +49(0)89-32158-241**  
 Snell & Wilcox +44(0)1730 821188  
 SONDOR Willy Hungerbühler AG +41 1 391-3122  
 Sony Business & Professional Group 201-930-6576  
 Steenbeck Inc 818-998-4033  
 Tamron Industries Inc 516-484-8880  
 Techni-Tool Inc 610-825-4990  
 Tek Media Supply Co 847-677-3000  
 Tektronix/Lightworks Editing Systems 213-465-2002  
 Toko America Inc 847-297-0070  
 Video Engineering Ltd +44-171-434-9751  
 Wide Range Electronics 314-230-7178

## FREQUENCY SERVICES

AVCOM of Virginia Inc 804-794-2500  
 Belar Electronics Lab Inc 610-687-5550  
 Doty-Moore Tower Services 972-293-1200  
**Dubner International Inc 201-664-6434**  
 Gold Line Inc 203-938-2588  
 GP Enterprises Inc 512-749-7026  
 Johnson Measurement Service 216-477-0635  
 Marcom 408-438-4273  
 Phil McQuatters 909-884-1526  
 Microflect Co Inc 503-363-9267  
 Lawrence L Morton Associates 805-733-4275  
 Neutrik AG +41-75-237-2424  
 Newman-Kees Freq Measurements 812-963-3294  
 Old Dominion Broadcast Eng Service 804-740-4717  
 SBE Society of Broadcast Engineers 317-253-1640  
 Standard Frequency Measuring Service 513-851-4964  
 Tektronix 503-627-7111  
 Ziehl Electronic Service 716-772-7800

## GPS EQUIPMENT

AVCOM of Virginia Inc 804-794-2500  
 B&B Electronics Mfg Co 815-433-5100  
 W Clark & Associates Ltd 309-837-2244  
 Dawn Satellite 810-391-9200



**ESE 310-322-2136**

Geneva Aviation 206-353-7400  
 Horita 714-489-0240  
 News/Sports Microwave Rental Inc (NS) 619-670-0572

## GRAPHICS, ANIMATION

AccuWeather Inc 814-234-9601  
 Adobe After Effects 206-470-7000  
 Adobe Systems 408-536-6000  
 Advanced Designs Corp 812-333-1922  
 Alias/Wavefront 416-362-9181  
 APS Professional Video Products 718-628-6800  
 AVID Technology Inc 508-640-6789  
 AVS Graphics Ltd +44(0)1990 003220  
 Baron Services Inc 205-881-8811  
 BCD Associates 405-843-4574  
 Chyron Corp 516-845-2026  
 CrystalGraphics Inc 408-496-6175  
 Data Translation/MultiMedia Group 508-481-3700  
 Diaquest Inc 510-526-7167  
**Digital Graphix 201-845-8900**  
**Digital Processing Systems/DPS 806-371-5533**  
 Discreet Logic 514-272-0525  
 Display Systems Int'l Inc 306-934-6884  
 D-Vision Systems Inc 773-714-1400  
 Electric Image Inc 818-577-1627  
 Evolving Video Technologies 303-456-1450  
 Fast Forward Video 714-852-8404  
 Fractal Design Corporation 408-430-4100

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 Inscribe Character Generator 416-391-4500  
 Intergraph Computer Systems 205-730-2000  
 Interlace Engineering Corp 416-510-1051  
 Intervideo 909-337-7507  
 JLCopier Electronics 310-306-4131  
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 Mainframe Computer Graphics Ltd 416-391-4500  
 Matrox Electronic Systems 514-685-2630  
 Media Computing Inc 602-582-2600  
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 Newtek inc 913-228-8000  
 Oxberry 201-935-3000

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 Pixel Power Ltd +44(0)1223-423399  
 QSI Systems Inc 603-893-7707  
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 Questech Ltd +44(0)1734-787209  
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**Sierra Design Labs 702-831-7837**  
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 Softimage 818-365-1359  
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 Sony Electronics 408-432-1600  
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 Strata Inc 801-628-5218  
 Triavest 415-920-6200  
 Truevision/RasterOps 317-577-8742  
 VAS Group Inc 818-843-4831  
 Video Data Systems 516-231-4400  
**Videssence 415-579-7577**  
 Viewpoint DataLabs 801-224-2222  
 Wavefront Technologies 805-962-8117  
 WSI Corp 508-670-5000  
 XAOS Tools 415-538-7000  
 Yamashita Engineering Mfg Inc +81 440462 288883

## HDTV PRODUCTION

Altinex 714-524-5400  
 AmPro Corp 407-254-3000  
 AmPro Corp/Prosumer Display Systems 617-932-4800  
 APS Professional Video Products 718-628-6800  
**ASACA/ShibaSoku Corp of America 310-827-7144**  
**ASC Audio Video 818-843-7004**  
 Astre Systems 209-575-1000  
 Brainstorm Electronics 213-845-1155  
 Cintel International Ltd +44(0)1920-463939  
 Digital Vision (DV Sweden AB) +46 8 182465  
 Doremi Labs Inc 213-874-3411  
 Eastman Kodak Co 213-464-6131  
 For-A Corp of America 714-894-3311  
 Force Inc 540-382-0642  
 Ikegami Electronics (USA) Inc 201-368-9171  
 JVC Professional Products Co 201-794-3900  
 JVC +81 426-60-7560  
 Keystone Metal Products Inc 818-846-9210  
 Lazerus 510-339-6263  
 Mira Vision Inc 408-982-9894  
 Nikon Inc 908-758-0308  
 NTL +44(0)1962 823434  
 Omicron Video 818-700-0742  
 Panasonic Broadcast & Television 800-524-0864  
 Philips Broadcast Television Systems 805-584-4700  
 Philips Broadcast Television Systems +49(0)6155 870-0  
 QuVis 415-457-3005  
 Recognition Concepts Inc 702-882-7817  
**Sierra Design Labs 702-831-7837**  
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 Stone & Wire 617-441-8780  
 Thomson Eroadcast 201-569-1650  
 Toshiba Corp +81(0)3 3457 3244  
 VAS Group Inc 818-843-4831

## HDTV-RF

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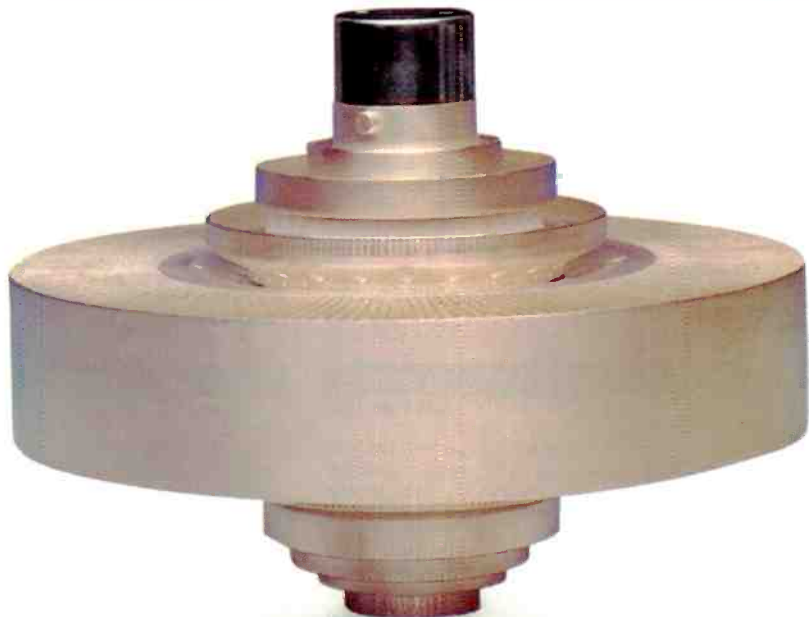
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**Jampro Antennas Inc**  
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 Nuova ELIT  
 Stainless Inc  
 Thomcast

+39-763-316231  
**916-383-1177**  
 603-624-4351  
 +39 2 3340-2992  
 215-699-4871  
 +33 1 3490-3100

## INTERCOM/IFB PRODUCTS, HEADSETS

AEQ SA +34 1 686-1300  
 AKG Acoustics  
 Harman Pro North America 615-399-2199  
 Ampco Sound Lab (ASL) +31(0)30-2414500  
 Anchor Communication/Porta-Com 310-533-5984  
 APS Professional Video Products 718-628-6800  
 Audioarts Engineering 315-452-5000  
 Auditrions Inc 901-362-1350  
 Barbizon Light 617-935-3920  
 beyerdynamic 516-293-3200  
 Bogen Communications Inc 201-934-8500  
 Brainstorm Electronics 213-845-1155  
 Broadcast Devices 914-737-5032  
 Broadcast Equipment & Parts 561-790-4192  
 Cabletek Electronics Ltd 604-942-1001  
 Canford Audio +44-191-4170057  
 Chyron Corp 516-845-2026  
 David Clark Co Inc 508-751-5800  
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**COMREX**

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 Denon Electronics 201-575-7810  
 DLE Inc 508-947-6801  
 Philip Drake Electronics +44(0)1707-333866  
 DTL Broadcast Ltd +44(0)181-813-5200  
 Dynatech Tactical Communications 603-880-4411  
 Fostex America 310-921-1112  
 Fostex Corp +81-425-46-4974  
 Full Compass Systems Ltd 608-831-7330  
 Fuller Manufacturing Inc 818-500-0116  
 GC Thorsen Inc 815-968-9661  
 GP Enterprises Inc 512-749-7026  
 HES Electronics +32(2) 466-8180  
 HM Electronics 619-535-6060  
 IRT Electronics Pty Ltd +61 2 4393744  
 ITI Electronics Inc 201-882-6405  
 JNS Electronics Inc 408-729-3838  
 JT Communications 352-236-0744  
 Lee Dan Communications Inc 516-231-1414  
 Matthey Electronics +44-1782-524919  
 McCurdy Radio Industries Ltd 416-248-6155  
 News/Sports Microwave Rental Inc (NS) 619-670-0572  
 OpTex +44(0)181-4412199  
 Perma Power Electronics Inc 847-940-0010  
 PESA Switching Systems Inc 205-726-9200  
 Photomart Cine-Video Inc 407-851-2780  
 Plantronics Inc 408-426-5858  
 PRECO (Broadcast Systems) +44-181-644-4447  
 Pro-Bel Inc 770-396-1971  
 Professional Sound Corp 805-295-9395  
 Radio Design Labs 805-684-5415  
 Ram Broadcast Systems 847-382-7575  
 R-Columbia Products Co Inc 847-432-7915  
 ROH Div/Fuller Mfg 818-500-0116  
 Sennheiser elektronik KG +49 5130-6000  
 Setcom Corp 415-965-8020  
 Sierra Automated Systems 818-840-6749  
 Stanton Magnetics Inc 516-349-0235  
 Studio Technologies Inc 847-676-9177  
 Technical Projects Inc 847-381-5350  
 Television Equipment - Matthey 914-763-8893  
 Television Engineering Corp 573-860-4700  
 Telex Communications Inc 612-884-4051  
 TOA Electronics Inc 415-588-2538

Trilogy Broadcast Ltd +44(0)1264-332033  
 Vega Wireless/Mark IV 818-442-0782  
 Vortex Communications +44(0)181 5792743  
 Ward-Beck Systems Ltd 416-438-6550  
 Wheatstone Corp 315-452-5000  
 Wiltronix Inc 301-258-7676

## INTERNET SOFTWARE

AccuWeather Inc 814-234-9601  
 Alias/Wavefront 416-362-9181  
 W Clark & Associates Ltd 309-837-2244  
 Convergent Media Systems 404-262-1555  
 DATAMAX Digital Systems 714-586-9907  
 Display Systems Int'l Inc 306-934-6884  
 Ednet 415-274-8800  
 IBM 914-642-5886  
 Nesbit Systems Inc 609-799-5071  
 Norpak Corp 613-592-4164  
**Ogenic On Air Systems** 619 479 1711  
 Tektronix NewStar 608-274-8686  
 Tektronix Video & Network Div 800-547-8949  
 XAOS Tools 415-538-7000

## KEYERS, COMPOSITING SYSTEMS

Alpha Image Ltd +44(0)1635 521939  
 APS Professional Video Products 718-628-6800  
 Broadcast Video Systems Ltd 905-764-1584  
 Chyron Corp 516-845-2026  
 Compix Media 213-487-8222  
 Comtech Antenna Systems Inc 407-892-6111  
 Discreet Logic 514-272-0525  
 Display Systems Int'l Inc 306-934-6884  
 DLE Inc 508-947-6801  
 DT Electronics Ltd +44(0)1203-466500  
 Ensemble Designs 916-478-1830  
 For-A Co Ltd +81-3-3446-3936  
 GP Enterprises Inc 512-749-7026  
 Image Video 416-438-3940  
 Interface Engineering Corp 416-510-1051  
 J-Lab 310-457-4090  
 JVC +81 426-60-7560  
 Mainframe Computer Graphics Ltd 416-391-4500  
 MicroVideo Ltd +44(0)1223 8341 19  
 Microvideo USA Inc 203-393-0598  
 PE Photon 408-261-3613  
 Play Incorporated 916-851-0800  
 Pro-Bel Ltd +44(0)1734 866123  
**Quantel Inc** 203-656-3100  
 Questech Ltd +44(0)1734-787209  
 Ross Video Ltd 613-652-4886  
 Sierra Video Systems Inc 916-478-1000  
 Snell & Wilcox +44(0)1730 8211 88  
 Softimage 818-365-1359  
 Sony Electronics 408-432-1600  
 Sony Electronics 201-930-7834  
 Tektronix Video & Network Div 800-547-8949  
 Tel-Test Inc 352-374-4503  
 Thomson Broadcast 201-569-1650  
 ULTIMATTE Corp 818-993-8007  
 VGV Inc (Video Gainesville) 352-372-0270  
**Videotek Inc** 610-327-2292  
 Videotex Systems 972-231-9200  
**Videssence** 415-579-7577  
 Vistek Electronics Ltd +44(0)1628 531 221  
 Vortex Communications +44(0)1815 792743  
 Wiltronix Inc 301-258-7676

## LENSES, ACCESSORIES

Adwar Video 516-349-1800  
 Aerial Films Inc 201-984-6680  
 Alpine Optics Inc 954-344-9871  
 Angenieux SA +33 7730-4210  
 APS Professional Video Products 718-628-6800  
 Arriflex Corp 914-353-1400  
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 Barbizon Light 617-935-3920  
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 Communications Marketing & Consulting 914-356-5300  
 CSI Camera Support International 818-887-5430

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 Visual Methods Inc 201-666-3950

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 Energy Film Library 818-508-1444  
 FirstCom Music 972-934-2222  
 Gefen Systems 818-884-6294  
 Gene Michael Productions 616-695-4000  
 Halland Broadcast Services 818-963-6300  
 Henry Engineering 818-355-3656  
 Image Ideas Inc 905-709-1600  
 Imagine Products Inc 317-843-0706  
 JT Communications 352-236-0744  
 Manhattan Production Music 212-333-5766  
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 Pioneer New Media Technologies 310-952-2111  
 Sonic Science 800 26-SCIENCE  
 Sound Ideas 905-886-5000  
 Studer Professional Audio AG +41 1870-7511  
 Valentino Music & Sounds Effects 914-347-7878

## LIGHTING CONTROLS, DIMMERS

Barbizon Light 617-935-3920  
 Bardwell & McAlister Inc 818-834-6136  
 Bogen Photo Corp 201-818-9500  
 Colortran Inc 818-843-1200  
 Desisti Lighting 201-319-1100  
 Dove Systems 805-541-8292  
 Electronics Diversified Inc 503-645-5533  
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 Group One Ltd 516-249-3662  
 Hubbell Inc Wiring Device - Kellems 203-882-4800  
 Leprecon/CAE Inc 810-231-9373  
 LTM Corp of America 818-767-1313  
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 Premier Lighting & Production Co 818-762-0884  
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 Theatre Service & Supply Corp 410-467-1225  
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## LIGHTING-PORTABLE

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**Lowel-Light Mfg Inc 718-921-0600**  
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 Lumitrol Ltd 416-424-4284  
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F J Westcott Co 419-243-7311

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 Apollo Presentation Products 516-467-8033  
 APS Professional Video Products 718-628-6800  
**ASACA/ShibaSoku 310-827-7144**  
 Barbizon Light 617-935-3920  
 Birns & Sawyer Inc 213-466-8211  
 Bogen Photo Corp 201-818-9500  
 Cool-Lux 805-482-4820  
 Dedotec USA Inc 201-857-8118  
 Desisti Lighting 201-319-1100  
**DW Electrochemicals Ltd 905-508-7500**  
 FM Systems Inc 714-979-3355  
 Gray Supply Co 219-398-2362  
 Group One Ltd 516-249-3662  
 HPG Industries 718-479-3011  
**Lowel-Light Mfg Inc 718-921-0600**  
 LTM Corp of America 818-767-1313  
 Lumitrol Ltd 416-424-4284  
 Minolta/Instrument Systems Div 201-818-3517  
 Mole-Richardson Co 213-851-0111  
 L E Nelson Sales Corp 702-367-3656  
 OpTex +44(0)181-4412199  
 Osram Sylvania Inc 508-777-1900  
 Packaged Lighting Systems Inc 914-778-3515  
 Philips Lighting 908-563-3000  
 Photomart Cine-Video Inc 407-851-2780  
 Premier Lighting & Production Co 818-762-0884  
 Pro Battery Inc 770-449-5900  
**Sachtler AG-Kommunikations-technik +49(0)89-32158-241**  
**Sachtler Corp of America 516-867-4900**  
 A W Sperry Instruments Inc 516-231-7050  
 Strand Lighting Inc 310-637-7500  
 Techni-Tool Inc 610-825-4990  
 Theatre Service & Supply Corp 410-467-1225  
 Vantage Lighting Inc 415-507-0402

## **VIDESSENCE**

**Videssence 415-579-7577**

Vincent Lighting Systems Co 216-475-7600  
 Walter Brewer Corp 918-493-7323

## LINE DOUBLERS, QUADRUPLERS

AmPro/Prosumer Display Systems 617-932-4800  
 Dwin Electronics 818-956-1608  
 Extron Electronics 714-491-1500  
**Faroudja Laboratories 408-735-1492**  
 Feral Industries  
 James Grunder & Assoc 913-492-4666  
 Inline Inc 310-690-6767  
**Miranda Technologies 514-333-1772**  
 Thomson Broadcast 201-569-1650

## MASTER CONTROL SWITCHERS

Chyron Corp 516-845-2026  
 Command Corp 813-724-1220  
 GP Enterprises Inc 512-749-7026  
 Image Video 416-438-3940  
 Keystone Communications 310-845-3706  
 NTP Elektronik A/S +45 4453 1188  
**Ogenic On Air Systems 619 479 1711**  
 Philips Broadcast Television Systems 805-584-4700  
 Pro-Bel Ltd +44(0)1734 866123  
 Tektronix Video & Network Div 800-547-8949  
 Thomson Broadcast 201-569-1650  
 Utah Scientific 801-575-8801  
**Videotek Inc 610-327-2292**  
 Vistek Electronics Ltd +44(0)1628 531221  
 Wiltronix Inc 301-258-7676

## MICROPHONE ACCESSORIES

Ac-cetera Inc 412-344-8609  
 Adwar Video 516-349-1800  
 AKG Acoustics +43 1 866 54 0  
 Benchmark Media Systems Inc 315-437-6300  
 Bogen Photo Corp 201-818-9500  
 Broadcast Devices 914-737-5032  
 BSW-Broadcast Supply Worldwide 206-565-2301  
 Cabletek Electronics Ltd 604-942-1001  
 Comprehensive Video Group 201-229-0025  
 Countryman Associates Inc 415-364-9988  
 Danish Pro Audio/Brüel & Kjær +45 4814 2828  
**DW Electrochemicals Ltd 905-508-7500**  
 FM Acoustics Ltd +41-1-725-7777  
 G Prime Ltd 212-765-3415  
 Blaine Lentz Lighting Assoc 818-887-7148  
 Nady Systems Inc 510-652-2411  
 Georg Neumann GmbH +49(0)30 4177240  
 Neumann USA 860-434-5220  
 Quality Video Supply 201-229-9800  
 Sennheiser Electronic Corp 860-434-9190  
 Sennheiser elektronik KG +49 5130-6000  
 Symtrix 206-787-3222

## MICROPHONES-WIRED

Adwar Video 516-349-1800  
 AKG Acoustics +43 1 866 54 0  
 BSW-Broadcast Supply Worldwide 206-565-2301  
 Cabletek Electronics Ltd 604-942-1001  
 Comprehensive Video Group 201-229-0025  
 Countryman Associates Inc 415-364-9988  
 Danish Pro Audio ApS/Brüel & Kjær +45 4814 2828  
 Electro-Voice Inc 616-695-6831  
 G Prime Ltd 212-765-3415  
 Gold Line Inc 203-938-2588  
 LPB Inc 610-644-1123  
 Micron Audio Products Ltd 201-857-8150  
 Georg Neumann GmbH +49(0)30 4177240  
 Neumann USA 860-434-5220  
 Neutrik AG +41-75-237-2424  
 Quality Video Supply 201-229-9800  
 Sanken Microphones 213-845-1155  
 Sennheiser Electronic Corp 860-434-9190  
 Sennheiser elektronik KG +49 5130-6000  
 Soundelux/Group One Ltd 516-249-1399  
 Telex Communications Inc 612-884-4051

## MICROPHONES-WIRELESS

Adwar Video 516-349-1800  
 AKG Acoustics 615-399-2199  
 Harman Pro North America

APS Professional Video Products 718-628-6800  
 ATI-Audio Technologies Inc 215-443-0330  
 Atlas/Soundolier-Atapco Security & Com 314-349-3110  
 Audio Ltd +44-181-743-1518  
 Audio Ltd USA 718-728-2654  
 Audix Corp 503-682-6933  
 Azden Corp 516-328-7500  
 Barbizon Light 617-935-3920  
 beyerdynamic 516-293-3200  
 Bogen Communications Inc 201-934-8500  
 Bogen Photo Corp 201-818-9500  
 Brainstorm Electronics 213-845-1155  
 Broadcast Equipment & Parts 561-790-4192  
 BSW-Broadcast Supply Worldwide 206-565-2301  
 Canford Audio +44-191-4170057  
 Comprehensive Video Group 201-229-0025

## **COMTEK**

*First Quality in Wireless Sound*

**Comtek Inc 801-466-3463**

Connectronics Corp 203-375-5577  
 Continental Electronics Corp 214-381-7161  
 Countryman Associates Inc 415-364-9988  
 Crown Broadcast 219-294-8050  
 Danish Pro Audio/Brüel & Kjær +45 4814 2828  
 Electro-Voice Inc 616-695-6831  
 Emo Systems Ltd +44-191-373-0787  
 Fostex America 310-921-1112  
 Fostex Corp +81-425-46-4974  
 Full Compass Systems Ltd 608-831-7330  
 Gold Line Inc 203-938-2588  
 GP Enterprises Inc 512-749-7026  
 Group One Ltd 516-249-3662  
 Har-Ken Specialties 201-373-2762  
 HNB Communications Ltd +44(0)181-962-5000  
 Lakeside Associates Inc 714-770-6601  
 Lectrosonics Inc 505-892-4501  
 Light Wave Systems 818-780-3002  
 LTM Corp of America 818-767-1313  
 Mark IV Pro Audio Group 616-695-4750  
 Micron Audio Products Ltd 201-857-8150  
 Milab Microphones 516-249-1399  
 Nady Systems Inc 510-652-2411  
 Georg Neumann GmbH +49(0)30 4177240  
 Neumann USA 860-434-5220  
 OpTex +44(0)181-4412199  
 Panasonic Broadcast & Television 800-524-0864  
 Panasonic Pro Audio/Ramsa 714-373-7277  
 Perma Power Electronics Inc 847-940-0010  
 Photomart Cine-Video Inc 407-851-2780  
 PRECO (Broadcast Systems) Ltd +44-181-644-4447  
 Pro Battery Inc 770-449-5900  
 Pro Power Products 818-558-6222  
 Professional Sound Corp 805-295-9395  
 Quality Video Supply 201-229-9800  
 Quickset International Inc 708-498-0700  
 Rapco International 800-467-2726  
 RCI Systems Inc 301-984-1800  
 Redding Audio Inc 203-270-1808  
 The Rip-Tie Co 415-543-0170  
 Rupert Neve  
 Samson Technologies Corp 516-364-2244  
 Sanken Microphones 213-845-1155  
 Sennheiser elektronik KG +49 5130-6000  
 Sennheiser Electronic Corp 860-434-9190  
 Shure Brothers Inc 847-866-2200  
 Shuttlesound Ltd +44(0)181687-2523  
 Siemens Audio Co 212-949-2324  
 Sony Business & Professional 201-930-6576  
 Soundfield Research Ltd +44-1924-201-089  
 Spectra Sonics 801-392-7531  
 SSL Industries Inc 916-644-0233  
 Systems Wireless Ltd 703-471-7887  
 Tannoy/TGI North America 519-745-1158  
 Telex Communications Inc 612-884-4051  
 TOA Electronics Inc 415-588-2538  
 University Sound 405-324-5311  
 Vega Wireless/Mark IV 818-442-0782  
 Videoquip Research Ltd 416-293-1042  
 Wave:Space Inc 714-770-6601  
 Whirlwind 716-663-8820



# Product Directory

## MICROWAVE EQUIPMENT

Advent Communications Ltd	+44(0)1494 774400
<b>BAF Communications Corp</b>	<b>407-324-8250</b>
Bext Inc	619-239-8462
Broadcast Equipment & Parts	561-790-4192
<b>Broadcast Microwave Services</b>	<b>619-560-8601</b>
<b>CANARE</b>	<b>818-365-2446</b>
Channel Master	919-934-9711
CommSpec	508-373-0657
Continental Electronics Corp	214-381-7161
Continental Microwave Ltd	+44-1582-424233
CPI Canada Inc	905-877-0161
Elantec Semiconductor Inc	408-945-1323
<b>EMCEE Broadcast Products</b>	<b>717-443-9575</b>
Energy-Onix Broadcast Equipment	518-828-1690
E-N-G Mobile Systems Inc	510-798-4060
ETM Electromatic Inc	510-797-1100
FLIR Systems	707-526-6659
FM Systems Inc	714-979-3355
Frequency Products Inc	415-364-0600
Frontline Communications	813-573-0400
Gabriel Electronics Inc	207-883-5161
General Microwave Services Inc	760-631-8021
Geneva Aviation	206-353-7400
GP Enterprises Inc	512-749-7026
Harris Corp/Broadcast Div/Systems	606-282-4800
Ikegami Electronics (USA) Inc	201-368-9171
<b>Intraplex Inc</b>	<b>508-692-9000</b>
JFW Industries	317-887-1340
JNS Electronics Inc	408-729-3838
Kintronic Labs Inc	423-878-3141
LBA Technology	919-757-0279
<b>Ledtronics Inc</b>	<b>310-534-1505</b>
Link Communications SA	+34 3 347-1457
M/A-Com Inc	508-453-3100
Marcom	408-438-4273
Marti Electronics	817-645-9163
Microwave Filter Co Inc	315-437-3953
Microwave Networks Inc	281-495-7123
Microwave Radio Communications	508-250-1110
Modulation Sciences	908-302-3090
Moseley Associates Inc	805-968-9621
MSC Electronics Ltd	905-731-9500
NSI	410-964-8400
<b>Nucomm Inc</b>	<b>908-852-3700</b>
Nuova ELIT	+39 2 3340-2992
Precision Specialties Inc	818-349-9774
PRECO (Broadcast Systems) Ltd	+44-181-644-4447
Pulizzi Engineering Inc	714-540-4229
QEI Corp	609-728-2020
RF Systems	203-239-3311
RF Technology Inc	203-866-4283
Shook Electronics USA Inc	210-651-5700
Sony Electronics	408-432-1600
Sony Electronics	201-930-7834
Technosystem SPA	+39(0)6 2280396
Tectan Inc	510-798-2222
Telex Communications Inc	612-884-4051
TFT Inc	408-727-7272
Thomcast	+33 1 3490-3100
Troll Technology Corp	805-295-0770
Tron-Tek Inc	918-663-4877

## MIDI EQUIPMENT

Akai Digital	817-336-5114
Alesis Corp	310-558-4530
Applied Research & Technology	716-436-2720
Crookwood	+44-1628-528-026
DOD Electronics	801-566-8800
D&R Electronica bv	+31(0)294 418014
<b>DW Electrochemicals Ltd</b>	<b>905-508-7500</b>
JLCooper Electronics	310-306-4131
Lone Wolf Corp	206-728-9600
OmniSound Corp	415-457-8114
Penny & Giles Inc	310-452-4995
Richmond Sound Design Ltd	604-664-5860
Roland Corp	714-727-2100
The Synclavier Co/SOC Associates	603-448-8887
Valley Audio/Galaxy Audio	316-265-9500
Yamaha Corp of America	714-522-9011

## MONITORING EQUIPMENT

**ASACA/ShibaSoku** 310-827-7144

Barco Inc	770-218-3200
Belar Electronics Lab Inc	610-687-5550
Boonton Electronics Corp	201-386-9696
Broadcast Electronics Inc	217-224-9600
Broadcast Equipment & Parts	561-790-4192
Dwight Cavendish Co	847-673-0937
C-COR Electronics Inc	814-238-2461
Continental Electronics Corp	214-381-7161
Data Check	619-578-0101
Dav Tronics	604-255-2200
Davicom Technologies	819-370-4343
Delta Electronics Inc	703-354-3350
DLE Inc	508-947-6801
<b>Dubner International Inc</b>	<b>201-664-6434</b>
FM Systems Inc	714-979-3355
GP Enterprises Inc	512-749-7026
<b>Hewlett-Packard Co</b>	<b>509-921-3331</b>
Richard Hirschmann GmbH	+43-5522-307-520
Holaday Industries Inc	612-934-4920
Ikegami Electronics (USA) Inc	201-368-9171
Inovonics Inc	408-458-0552
JVC Professional Products Co	201-794-3900
Lockheed Martin Microwave	516-231-1700
MSC Electronics Ltd	905-731-9500
Philips TV Test Equipment	+45 32885911
Potomac Instruments	301-589-2662
QEI Corp	609-728-2020
QSI Systems Inc	603-893-7707
Rohde & Schwarz Inc	301-459-8800
Rohde & Schwarz GmbH & Co Kg	+49-89-41292321
Sony Electronics	201-930-7834
Sony Electronics	408-432-1600
Tektronix	503-627-7111
Tektronix Video & Network Div	800-547-8949
TFT Inc	408-727-7272
Thomcast	+33 1 3490-3100
<b>Videotek Inc</b>	<b>610-327-2292</b>

## MULTIMEDIA, CD-ROM

AccuWeather Inc	814-234-9601
Augan Instruments	+31(0)26-3648-966
BCD Associates	405-843-4574
CCS Europe GmbH	+49-811-5516-0
Convergent Media Systems	404-262-1555
Digital Force	212-333-5953
Digital Video Arts Ltd	215-576-7920
Digital Vision Inc	310-914-5200
Disc Mfg Inc	302-479-2500
Electric Image Inc	818-577-1627
Gefen Systems	818-884-6294
IBM	914-642-5886
Inline Inc	310-690-6767
Intergraph Computer Systems	205-730-2000
JVC Information Products	714-816-6500
Macromedia	415-252-2000
Minerva Systems Inc	408-487-2001
Pioneer New Media Technologies	310-952-2111

# Prime Image

**Prime Image Inc** 408-867-6519

RGB Spectrum	510-814-7000
Softimage	818-365-1359
Sony Electronics	201-930-7834
Strata Inc	801-628-5218
Studer Professional Audio AG	+41 1 870-7511
Valentino Music & Sounds Effects	914-347-7878
Videotex Systems	972-231-9200

## NETWORKING PRODUCTS

AMCO Engineering Co	847-671-6670
Augan Instruments	+31(0)26-3648-966
AVID Technology Inc	508-640-6789
C-COR Electronics Inc	814-238-2461
W Clark & Associates Ltd	309-837-2244
DATAMAX Digital Systems	714-586-9907
Discreet Logic	514-272-0525
Ensemble Designs	916-478-1830
IBM	914-642-5886
Industrial Computer Source	619-677-0877

Intergraph Computer Systems	205-730-2000
<b>Intraplex Inc</b>	<b>508-692-9000</b>
JVC Information Products	714-816-6500
MegaDrive Systems Inc.	310-247-0006
MicroNet Technology Inc	714-453-6100
Optivision Inc	415-855-0200
Pluto Technologies Int'l	303-402-9000
<b>Quantel Inc</b>	<b>203-656-3100</b>
Tektronix Video & Network Div	800-547-8949
VDOnet Corp	415-846-7700

## NOISE REDUCTION SYSTEMS-AUDIO

Allen Avionics Inc	516-248-8080
BBE Sound Inc	714-897-6766
Circuit Research Labs Inc	602-438-0888
D&R Electronica bv	+31(0)294 418014
FM Systems Inc	714-979-3355
Gold Line Inc	203-938-2588
Netwell Noise Control	612-939-9845
Sennheiser elektronik KG	+49 5130-6000

## NOISE REDUCTION SYSTEMS-VIDEO

ADT (Applied Digital Technology)	352-338-0516
A J Technology	617-969-0547
Alcatel Components	+61 3 9555 1566
Allen Avionics Inc	516-248-8080
APS Professional Video Products	718-628-6800
Audio-Video Engineering Co	516-546-4239
Avitel Electronics Ltd	+44(0)181655-3200
Avitel Inc	801-977-9553
Brainstorm Electronics	213-845-1155
Broadcast Video Systems Ltd	905-764-1584
Comband/Microwave Filter Co	315-437-3953
Da Vinci Systems	954-484-8100
Deerfield Laboratory	415-962-8707
Digital Vision (DV Sweden AB)	+46 8 182465
Digital Vision Inc	310-914-5200
DT Electronics Ltd	+44(0)1203-466500
FM Systems Inc	714-979-3355
For-A Co Ltd	+81-3-3446-3936
For-A Corp of America	714-894-3311
Image Video	416-438-3940
Inline Inc	310-690-6767
Intelvideo Inc	203-348-9229
IRT Electronics Pty Ltd	+61 2 4393744
J-Lab	310-457-4090
KR Electronics Inc	908-636-1900
<b>Kramer Electronics</b>	<b>201-229-1059</b>
Kramlin Engineering Works Inc	415-856-0900
MicroVideo Ltd	+44(0)1223834119
Microwave Filter Co Inc	315-437-3953
Netwell Noise Control	612-939-9845

**Nova Systems Inc** 860-693-0238

Options International	615-327-8090
Pandora International Ltd	+44-1474-561000
Philips Broadband Networks Inc	315-682-9105
Philips Broadcast Television Systems	805-584-4700
Philips Broadcast Television Systems	+49(0)6 155870-0
Photomart Cine-Video Inc	407-851-2780
Sabine Inc	904-418-2000
Snell & Wilcox	+44(0)1730821188
Sony Business & Professional Group	201-930-6576
TTE Inc	310-478-8224
Video Engineering Ltd	+44-171-434-9751
Video Int'l Development Inc	516-243-5414
Video International Development Corp	516-243-5414
Y/C Plus Inc	913-235-5014

## ON-AIR PRESENTATION

Alamar USA Inc	408-866-9373
American Broadcast Systems Inc	512-837-3737
APS Professional Video Products	718-628-6800
<b>ASAC/ShibaSoku Corp of America</b>	<b>310-827-7144</b>
<b>ASC Audio Video</b>	<b>818-843-7004</b>
Audiomation Systems	+44(0)1207-529-444
Augan Instruments	+31(0)26-3648-966
AVID Technology Inc	508-640-6789

# Product Directory

AVS Graphics Ltd +44(0)1990003220  
 Channelmatic Inc 619-445-2691  
 Comprompter 608-785-7766  
 Comtech Antenna Systems Inc 407-892-6111  
 Dateq Audio Technologies +31(0)36-547-2222  
 Diaquest Inc 510-526-7167  
 Philip Drake Electronics +44(0)1707333866  
 EVS Broadcast Equipment +32 41 22.00.70  
 FloriCal Systems Inc 352-372-8326  
 Image Logic Corp 301-907-8891  
 Image Video 416-438-3940  
 Interlace Engineering Corp 416-510-1051  
 JLCoper Electronics 310-306-4131  
 Leightronix 517-694-8000  
**Louth Automation 415-843-3665**  
 Mainframe Computer Graphics Ltd 416-391-4500  
 The Management 817-625-9761  
 MATCO Inc 408-353-2670  
 Media Computing Inc 602-582-2600  
 MEMEX Software Inc 604-731-0831  
 Nagra Lysis sa +41-21-732-0404  
 Nesbit Systems Inc 609-799-5071  
 The Network Connection Inc 770-751-0889  
 Nytone Inc 801-973-4090  
**Odetics Broadcast 714-774-2200**  
**Ogenic On Air Systems 619 479 1711**  
 Panasonic Broadcast & Television 800-524-0864  
 Philips Broadcast Television Systems +49(0)6155 870-0  
 Pioneer New Media Technologies 310-952-2111  
 Planon Telexpertise Inc 514-449-6481  
 Pro-Bel Inc 770-396-1971  
 Recognition Concepts Inc 702-882-7817  
 Sony Business & Professional Group 201-930-6576  
 Spaceward Graphics Ltd +44(0)1353 741 222  
 Tandberg Data Storage AS +47 22 18 90 90  
 Tech Electronics Inc 770-446-1416  
 Tektronix Video & Network Div 800-547-8949  
 Tel-Test Inc 352-374-4503  
 Texscan MSI 801-359-0077  
 Thomson Broadcast 201-569-1650  
 Time Logic Inc 702-833-0200  
 Video Data Systems 516-231-4400  
 VideoFusion Ltd Partnership 419-891-1090

## POWER CONVERSION, PROTECTION

Alcatel Components +61 39555 1566  
 Alpha Technologies 360-647-2360  
 Andrew Corp 708-349-3300  
 Best Power Unit of General Signal 608-565-7200  
 Broadcast Equipment & Parts 561-790-4192  
 Columbine Systems 303-237-4000  
 Computer Power Inc 908-638-8000  
 Continental Electronics Corp 214-381-7161  
 Control Concepts Corp/Liebert 607-724-2484  
 J E Cuesta Co Inc 610-935-0400  
 Current Technology Inc 972-238-5300  
 Curtis Mfg Co 800-955-9514  
 Peter Dahl Co Inc 915-751-2300  
 Deltac Electronics Corp 619-291-4211  
 Exeltech 817-595-4969  
 Exide Electronics Group Inc 919-872-3020  
 FM Systems Inc 714-979-3355  
 Furman Sound Inc 415-927-1225  
 FWT 817-457-3060  
 GC Thorsen Inc 815-968-9661  
 Hipotronics Inc 914-279-8091  
 Hubbell Inc Wiring Device - Kellems 203-882-4800  
 Innovative Technology Inc 909-799-0713  
 Instrumentation & Control Systems Inc 630-543-6200  
 Joslyn Electronic Systems Corp 805-968-3551  
 Kalglo Electronics Co Inc 610-837-0700  
 Kay Industries Inc 219-236-6220  
 Kensing'on Microwave Ltd 412-572-2700  
 LEA Dynatech 813-621-1324  
 Liebert Corp 714-457-3600  
 Lighting Eliminators & Consultants Inc 303-447-2828  
 Lightning Master Corp 813-447-6800  
 Lightning Prevention Systems 609-767-7209  
 LPB Inc 610-644-1123  
 Lyncole XIT Grounding 310-214-4000  
 Marcom 408-438-4273  
 MCG Electronics Inc 516-586-5125  
 Meirick Inc 417-466-3941  
 Newark Electronics 800-298-3133

Northern Technologies Inc 509-927-0401  
 On-Line Power 213-721-5017  
 Perma Power Electronics Inc 847-940-0010  
 PolyPhaser Corp 702-782-2511  
 Pro Power Products 818-558-6222  
 Pulizzi Engineering Inc 714-540-4229  
 Rathbone Energy Systems Inc 770-975-8052  
 Reliance Comm/Tec 216-246-6967  
 Shintron Co Inc 508-371-7500  
 Square D - EPE 714-557-1636  
 Staco Energy Products Co 937-253-1191  
 Techni-Tool Inc 610-825-4990  
 Transtector Systems 208-772-8515  
 Tripp Lite 312-755-5400  
 United Power Corp 804-254-5730  
 Warner Electric/Superior Electric 860-585-4500  
 Westinghouse 410-584-3011  
 Woods Industries 317-844-7261  
 Xentek Inc 760-471-4001  
 ZZZap Power 514-369-4919

## PRODUCTION FACILITIES, SERVICES

Adwar Video 516-349-1800  
 Aagan Instruments +31(0)26-3648-966  
 Balboa Capital Corp 714-756-0800  
 Franklyn R Beemish 919-435-6179  
 Convergent Media Systems 404-262-1555  
 Cycle-Sat Inc 312-670-5100  
 Evolving Video Technologies 303-456-1450  
 FM Systems Inc 714-979-3355  
 John Gorrell Woodworking 770-994-7194  
 HAVE Inc 518-828-2000  
 Henning Richmond 804-644-5006  
 Hero Productions 305-887-1600  
 IBM 914-642-5886  
 Image Video Teleproductions Inc 216-494-9303  
 Intergraph Computer Systems 205-730-2000  
 Keystone Communications 310-845-3706  
 METROPOST 512-476-3876  
 Midnight Media Group 201-379-5959  
 Pinnacle System 415-256-1600  
 Qutron 201-327-3259  
 Sony Electronics 201-930-7834  
 Steenbeck Inc 818-998-4033  
 West Side Video 212-757-3300  
 XAOS Tools 415-538-7000

## PRODUCTION SWITCHERS

Alpha Image Ltd +44(0)1635 521939  
 Alpine Optics Inc 954-344-9871  
 APS Professional Video Products 718-628-6800  
 AVS Broadcast +44(0)1813 91-5678  
 Command Corp 813-724-1220  
 Comtech Antenna Systems Inc 407-892-6111  
 ECHOLab Inc 617-273-1512  
 Fast Electronic US Inc 415-295-3500  
 For-A Co Ltd +81-3-3446-3936  
 For-A Corp of America 714-894-3311  
 GP Enterprises Inc 512-749-7026  
 Image Labs 914-737-4420  
 Image Video 416-438-3940  
 ITELCO SpA +39-763-316231  
 J-Lab 310-457-4090  
 JVC 814-266-60-7560  
**Kramer Electronics 201-229-1059**  
 MATCO Inc 408-353-2670  
 Multidyne Inc 516-671-7278  
 Panasonic Broadcast & Television 800-524-0864  
 PESA Switching Systems Inc 205-726-9200  
 Philips Broadcast Television Systems +49(0)6155 870-0  
 Philips Broadcast Television Systems 805-584-4700  
 Pro-Bel Inc 770-396-1971  
 Ross Video Ltd 613-652-4886  
**Scitex Digital Video 415-369-5111**  
 Snell & Wilcox +44(0)1730 821188  
 Sony Business & Professional Group 201-930-6576  
 Sony Electronics 201-930-7834  
 Sony Electronics 408-432-1600  
 Tektronix 503-627-7111  
 Tektronix Video & Network Div 800-547-8949  
 Tel-Test Inc 352-374-4503  
 Textronix/Grass Valley Products 916-478-3000

Thomson Broadcast 201-569-1650  
 VGV Inc (Video Gainesville) 352-372-0270  
**Videotek Inc 610-327-2292**  
 Vistek Electronics Ltd +44(0)1628 531221

## PROFESSIONAL ORGANIZATIONS

Broadcast Technology Society/IEEE 919-752-7189  
 European Broadcast Union/EBU +41 22 71 72711  
 FM Systems Inc 714-979-3355  
 Richard Hirschmann GmbH +43-5522-307-520  
 Intergraph Computer Systems 205-730-2000  
 National Association of Broadcasters 202-429-5350  
 SBE Society of Broadcast Engineers 317-253-1640  
 SCTE 610-363-6888  
 SMPTE 914-761-1100

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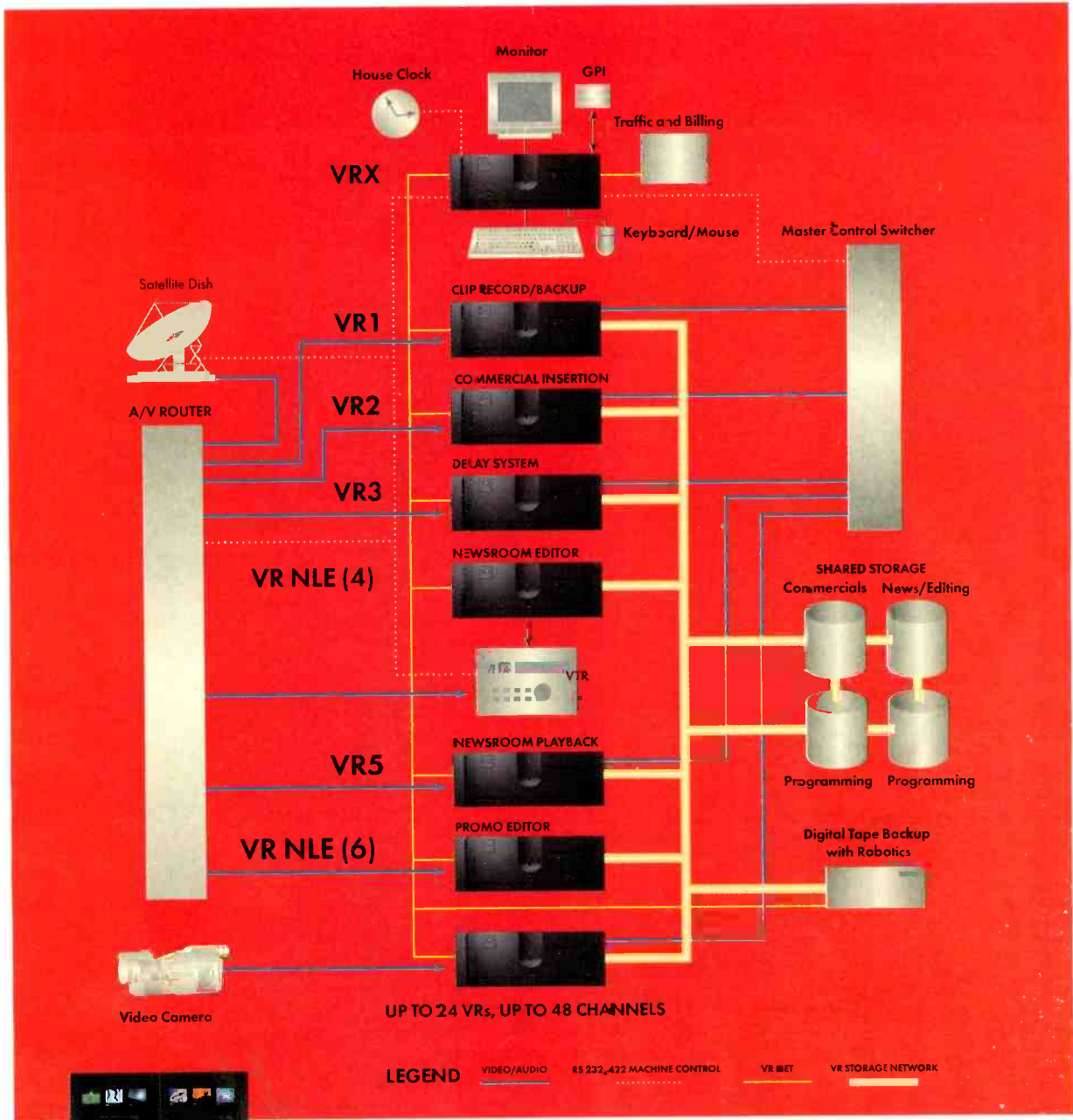
APS Professional Video Products 718-628-6800  
 Audio Video Design 561-966-3565  
 Autocue Ltd +44(0)181870-0104  
 BDL Autocscript +44(0)171 5381427  
 Beacon Software Inc 414-355-4460  
**Boland Communications 714-367-9911**  
 Comprompter 608-785-7766  
 CPC/Computer Prompting & Captioning Co 301-738-8487  
 Cue Tech Teleprompting 310-657-9434  
 DLE Inc 508-947-6801  
 EDS Portaprompt Ltd +44-1494-450414  
**ESE 310-322-2136**  
 Lynn Greenberg Electronic Teleprompting 805-253-1987  
 Grozik Associates 414-355-4460  
 ict GmbH +49-7025-1020  
 JLCoper Electronics 310-306-4131  
 Listec Video Corp 516-273-3020  
 Magic Teleprompting Inc 415-626-5283  
 Matthey Electronics +44-1782-524919  
 Mirror Image Teleprompter 414-232-0220  
 Photomart Cine-Video Inc 407-851-2780  
 PRECO (Broadcast Systems) Ltd +44-181-644-4447  
 Pinstar Systems Inc 770-956-0700  
**Tekskil Industries Inc 604-589-1100**  
 Tektronix NewStar 608-274-8686  
 Tektronix Video & Network Div 800-547-8949  
 Television Equipment - Matthey 914-763-8893  
 Transvideo USA 805-520-1275  
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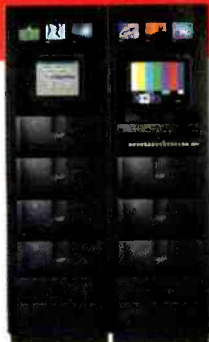
Aarmor Case Co 616-374-5431  
 Ac-cetera Inc 412-344-8609  
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 AMCO Engineering Co 847-671-6670  
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 Avitel Electronics Ltd +44(0)1816 55-3200  
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 DLE Inc 508-947-6801  
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 Future Case 508-626-2277  
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**Leader Instruments Corp** 516-231-6900  
Leprecon/CAE Inc 810-231-9373  
M C Lights & Mfg 705-739-7886  
Marco Inc 205-323-8070  
Marcom 408-438-4273  
Meret Optical Communications 310-828-7496  
L E Nelson Sales Corp 702-367-3656  
Neumade Products Corp 203-866-7600  
Newark Electronics 800-298-3133  
Newton Instrument Co 919-575-6426  
**OEI Electronics Systems Inc** 908-735-0543  
**Ogenic On Air Systems** 619 479 1711  
Old Dominion Broadcast Eng Service 804-740-4717  
Pacific Recorders & Engineering 760-438-3911  
Packaged Lighting Systems Inc 914-778-3515  
Penn Fabrication Inc 805-529-4962  
Perma Power Electronics Inc 847-940-0010  
Philips TV Test Equipment +45 3288 5911  
Photomart Cine-Video Inc 407-851-2780  
Powermark Case Corp 303-421-7912  
PRECO (Broadcast Systems) Ltd +44-181-644-4447  
Ram Broadcast Systems 847-382-7575  
Roll-A-Reel Co 513-761-8500  
Ruslang Corp 203-384-1266  
Sescom Inc 702-565-3400  
Skaggs Telecommunications Svcs 801-263-1370  
Sound Designers Studio 212-757-5679  
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Star Case Mfg Co Inc 219-922-4440  
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Titus Technological Labs 860-633-5472  
Vantage Lighting Inc 415-507-0402  
Vantage Point Products Corp 310-949-4886  
**Videssence** 415-579-7577  
Walter Brewer Corp 918-493-7323  
Wenger Corp 507-455-4100  
Winsted Corp 612-944-9050  
Zero Stantron 818-890-3445

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Augan Instruments +31(0)26-3648-966  
BSW-Broadcast Supply Worldwide 206-565-2301  
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Fast Forward Video 714-852-8404  
Henry Engineering 818-355-3656  
LPB Inc 610-644-1123  
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**Ogenic On Air Systems** 619 479 1711  
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Sony Electronics 408-432-1600  
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Wide Range Electronics 314-230-7178

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Akai Digital 817-336-5114  
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Brainstorm Electronics 213-845-1155  
Broadcast Automation Inc 972-487-5810  
Broadcast Cartridge Service 714-898-7224  
Broadcast Electronics Inc 217-224-9600  
Broadcast Equipment & Parts 561-790-4192

BSW-Broadcast Supply Worldwide 206-565-2301  
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Cartworks 601-856-9080  
Continental Electronics Corp 214-381-7161  
Denon Electronics 201-575-7810  
Digigram +33 7652.4747  
Digital Expressions Inc 206-718-9895  
Digital Force 212-333-5953  
Doremi Labs Inc 213-874-3411  
Philip Drake Electronics +44(0)1707 333866  
Ergo 714-992-0874  
Fidelipac Corp 609-235-3900  
Fostex America 310-921-1112  
Fostex Corp +81-425-46-4974  
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Gauss 213-875-1900  
Graff Electronic Machines Ltd +44-1636-893036  
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HHB Communications Ltd +44(0)181-962-5000  
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JLCooper Electronics 310-306-4131  
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JVC +81 426-60-7560  
KABA Research & Development 415-883-5041  
LPB Inc 610-644-1123  
Lyrec Mfg A/S +45 44532522  
The Management 817-625-9761  
Management Graphics 612-854-1220  
Marantz Professional +31(0)40-2734589  
Media Touch Systems Inc 603-893-5104  
Micro Technology Unlimited 919-870-0344  
MicroNet Technology Inc 714-453-6100  
Micropolis Corp 818-709-3300  
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Pacific Recorders & Engineering 760-438-3911  
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Pioneer New Media Technologies 310-952-2111  
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Professional Management Services 864-370-2400  
Prophet Systems Inc 308-284-8450  
QMI 508-435-3666  
Questech Ltd +44(0)1734-787209  
QuVis 415-457-3005  
Recognition Concepts Inc 702-882-7817  
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SADiE Inc 615-327-1140  
Schafer World Communications Corp 540-783-2000  
Siemens Audio Co 212-949-2324  
**Sierra Design Labs** 702-831-7837  
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Sonic Solutions 415-893-8000  
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Sonosax SA +41(0)21 806-0202  
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Sony Electronics Inc/Recording Media 201-476-8000  
Spectral Inc 206-487-2931  
Steenbeck Inc 818-998-4033  
Studer Digitec +34 1 34 808 700  
Studer Professional Audio AG +41 1 870-7511  
Studer Editech 615-391-3399  
Superscope Technologies/Marantz 630-820-4800  
Tandberg Data Storage AS +47 22 18 90 90  
TASCAM/Teac Profession 213-726-0303  
Texscan MSI 801-359-0077  
**360 Systems** 818-991-0360  
Videoquip Research Ltd 416-293-1042  
Wide Range Electronics 314-230-7178  
Zonal Ltd +44(0)1737-767171

## RECORDERS-DATA

Cybernetics 757-833-9000  
FloriCal Systems Inc 352-372-8326  
MicroNet Technology Inc 714-453-6100  
**Odetics Broadcast** 714-774-2200  
QuVis 415-457-3005

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Brainstorm Electronics 213-845-1155  
Broadcast Equipment & Parts 561-790-4192  
Canford Audio +44-191-4170057  
**DW Electrochemicals Ltd** 905-508-7500  
Fidelipac Corp 609-235-3900  
Hall Electronics 804-984-4255  
Hamlet Video International Ltd +44(0)1494 793763  
International Electro-Magnetics/IEM 847-358-4622  
International Tapetronics Corp 309-828-1381  
JRF Magnetic Sciences Inc 201-579-5773  
KABA Research & Development 415-883-5041  
Keith Monks Sound Systems +44-1726-83-3183  
Neutrik AG +41-75-237-2424  
Northern Magnetics Inc 612-446-1124  
Nortronic 612-476-7356  
NXT Generation 201-579-4849  
Panasonic Broadcast & Television 800-524-0864  
Photomart Cine-Video Inc 407-851-2780  
Polyline Corp 847-390-7744  
PRECO (Broadcast Systems) +44-181-644-4447  
Saki Magnetics Inc 818-880-4054  
Sony Electronics 408-432-1600  
Sony Electronics/Recording Media 201-476-8000  
Sprague Magnetics Inc 818-994-6602  
Standard Tape Laboratory Inc 415-851-6600  
Studer Professional Audio AG +41 1 870-7511  
Studer Editech 615-391-3399  
Taber Mfg & Engineering Co 619-592-7861  
Tek Media Supply Co 847-677-3000  
Tentel Corp 916-939-4005  
Videomagnetics Inc 719-579-6643  
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## RECORDERS-VIDEO (NON-REMOVABLE MEDIA)

Accom Inc 415-328-3818  
Adwar Video 516-349-1800  
**ASC Audio Video** 818-843-7004  
**BTI Computer Systems** 408-733-1122  
Command Corp 813-724-1220  
**Digital Processing Systems/DPS** 606-371-5533  
DNF Industries 818-252-0198  
Doremi Labs Inc 213-874-3411  
Drastic Technologies 416-636-4444  
Fast Electronic US Inc 415-295-3500  
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For-A Corp of America 714-894-3311  
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PE Photon 408-261-3613  
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Pioneer New Media Technologies 310-952-2111  
Pixel Instruments Corp 408-354-9122  
QuVis 415-457-3005  
Sony Electronics 201-930-7834  
Sony Electronics 408-432-1600  
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Tektronix Video & Network Div 800-547-8949  
Thomson Broadcast 201-569-1650  
Videotex Systems 972-231-9200  
Wiltronix Inc 301-258-7676

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**ASC Audio Video** 818-843-7004  
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AVS Graphics Ltd +44(0)1990 003220  
BCD Associates 405-843-4574  
Channelmatic Inc 619-445-2691  
Cintel International Ltd +44(0)1920-463939  
DLE Inc 508-947-6801  
DNF Industries 818-252-0198  
Doremi Labs Inc 213-874-3411  
DraCo Systems 303-440-5311  
DT Electronics Ltd +44(0)1203-466500  
EVS Broadcast Equipment +32 41 22.00.70  
For-A Co Ltd +81-3-3446-3936  
I-Den Videotronics Inc +81-3-3447-5220  
Imagine Products Inc 317-843-0706



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 JVC +81 426-60-7560  
 MicroNet Technology Inc 714-453-6100  
 The Network Connection Inc 770-751-0889  
**Odetics Broadcast** 714-774-2200  
 Panasonic Broadcast & Television Systems 800-524-0864  
 Pinnacle Micro 805-584-4700  
 Pioneer New Media Technologies 714-789-3000  
 Questech Ltd 310-952-2111  
 QuVis +44(0)1734-787209  
 Sharp Electronics Corp 415-457-3005  
**Sierra Design Labs** 201-529-8200  
 Sony Business & Professional Group 702-831-7837  
 Sony Electronics 201-930-6576  
 Sony Electronics 408-432-1600  
 Sony Electronics 201-930-7834  
 Thomson Broadcast 201-569-1650  
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 Viewtronics Ltd +44(0)1483 750573

Agfa Corp 201-440-2500  
 All Done Duplication 805-371-5822  
 Apogee Electronics Corp 310-915-1000  
 APS Professional Video Products 310-628-6800  
**ASACA/ShibaSoku** 310-827-7144  
 Brainstorm Electronics 213-845-1155  
 Broadcast Cartridge Service 714-898-7224  
 Carpel Video 301-684-3500  
 CoarcVideo 518-672-4451  
 Data Security Inc 402-434-5959  
 DIC Digital 201-692-7700  
 Fuji Photo Film USA Inc 914-789-8100  
 Full Compass Systems Ltd 608-831-7330  
 Gauss 213-875-1900  
 JVC Professional Products Co 201-794-3900  
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 RTI-Research Technology Int'l 847-677-3000  
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 Digital Force 212-333-5953  
 Fuji Photo Film USA Inc 914-789-8100  
 Green Dot Audio 615-367-9242  
 Marantz Professional +31(0)40-2734589  
 MicroNet Technology Inc 714-453-6100  
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 Apogee Electronics Corp 310-915-1000  
 Audiopak Inc 540-667-8125  
 Brainstorm Electronics 213-845-1155  
 Broadcast Cartridge Service 714-898-7224  
 Broadcast Equipment & Parts 561-790-4192  
 Canford Audio +44-191-4170057  
 CoarcVideo 518-672-4451  
 Continental Electronics Corp 214-381-7161  
 Denon Electronics 201-575-7810  
 DIC Digital 201-692-7700  
 Digital Force 212-333-5953  
 Fidelipac Corp 609-235-3900  
 Fuji Photo Film USA Inc 914-789-8100  
 HHB Communications Ltd +44(0)181-962-5000  
 Maxell Corp of America 201-794-5900  
 MicroNet Technology Inc 714-453-6100  
 Panasonic Pro Audio/Ramsa 714-373-7277  
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 Polyline Corp 847-390-7744  
 PRECO (Broadcast Systems) Ltd +44-181-644-4447  
 Quantegy 770-486-2800  
 Sony Electronics Inc/Recording Media 201-476-8000  
 TDK 516-625-0100  
 Videotape Distributors Inc 212-581-7111  
 Zonal Ltd +44(0)1737-767171

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 DIC Digital 201-692-7700  
 Digital Force 212-333-5953  
 DLE Inc 508-947-6801  
 For-A Corp of America 714-894-3311  
 Fuji Photo Film USA Inc 914-789-8100  
 Philips Broadcast Television Systems 805-584-4700  
 Pioneer New Media Technologies 310-952-2111  
 Products International 301-587-7824  
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 Continental Electronics Corp 214-381-7161  
 Davicom Technologies 819-370-4343  
 DNF Industries 818-252-0198  
**Dubner International Inc 201-664-6434**  
 Dynatech Tactical Communications 603-880-4411  
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 Imagic Products Inc 317-843-0706  
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 Marcom 408-438-4273  
 Marconi Communications Inc 703-620-0333  
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 Nuova ELIT +392 3340-2992  
 Potomac Instruments 301-589-2662  
 Pulizzi Engineering Inc 714-540-4229  
 RF Technology Inc 203-866-4283  
 Schmid Telecommunication America 609-742-1878  
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 Technosystem SPA +39(0)6 2280396  
 Telefunken Sendertechnik +49(0)30 3463-2417  
 Titus Technological Labs 860-633-5472  
 Troll Technology Corp 805-295-0770  
 Tron-Tek Inc 918-663-4877

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 Geneva Aviation 206-353-7400  
**Nucomm Inc 908-852-3700**  
 Tinsley Laboratories, Schwem Division 510-222-8110

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 Calumet Coach Co 708-868-5070  
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**Communications & Power Industries 408-496-6273**  
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 FM Systems Inc 714-979-3355  
 Frontline Communications 813-573-0400  
 Harris Corp/Broadcast Div/Systems 606-282-4800  
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 Sony Electronics 201-930-7834  
 Sony Electronics 408-432-1600  
 J A Taylor & Associates 610-754-6800  
 Television Engineering Corp 573-860-4700  
 Thomson Broadcast 201-569-1650  
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 VMI (Video Masters Inc) 816-587-0000  
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**ASACA/ShibaSoku 310-827-7144**  
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 CMBE 916-933-9330  
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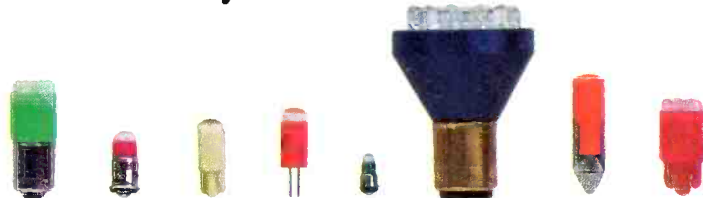


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 Broadcast Systems Design 408-554-6040  
 Broadcast Video Systems Ltd 905-764-1584  
 Channelmatic Inc 619-445-2691  
 Chyron Corp 516-845-2026  
 Communications Specialties 516-273-0404  
 Compression Labs 408-428-6788  
 Comtech Antenna Systems Inc 407-892-6111  
 Diaquest Inc 510-526-7167

DigiDesign/Avid 415-842-7900  
 DigiPath Video Inc 514-697-0810  
 Digital Expressions Inc 206-718-9895  
 Digital Vision (DV Sweden AB) +46 8 182465  
 Doremi Labs Inc 213-874-3411  
 DT Electronics Ltd +44(0)1203-466500  
 DTL Broadcast Ltd +44(0)181-813-5200  
 DYNAIR Electronics Inc 619-263-7711  
 Eastman Kodak Co 213-464-6131  
 Editing Technologies Corp/ETC 805-584-9442  
 Elantec Semiconductor Inc 408-945-1323  
 Ensemble Designs 916-478-1830  
 Evertz Microsystems Ltd 905-335-3700  
 EVS Broadcast Equipment +32 41 22.00.70  
 Extron Electronics 714-491-1500  
 Feral Industries 913-492-4666  
 James Grunder & Assoc 913-492-4666  
**Folsom Research 916-983-1500**  
 For-A Co Ltd +81-3-3446-9936  
 For-A Corp of America 714-894-3311  
 Hamlet Video International Ltd +44(0)1494 793763  
 ict GmbH +49-7025-1020  
 I-Den Videotronics Inc +81-3-3447-5220  
 Image Video 416-438-3940  
 Imagine Products Inc 317-843-0706  
 Inline Inc 310-690-6767  
 Intelveo Inc 203-348-9229  
 Iptek 760-438-8362  
 James Grunder & Associates Inc 913-492-4666  
 JVC +81 426-60-7560  
**Kramer Electron.cs 201-229-1059**  
 LNR Communications Inc 516-273-7111  
 Macrovision Corp 408-743-8600  
 Matrox Electronic Systems 514-685-2630  
 Merlin Engineering Works Inc 415-856-0900  
 Microtime Inc 860-242-4242  
 MicroVideo Ltd +44(0)1223 8341 19  
 Microwave Filter Co Inc 315-437-3953  
 Mira Vision Inc 408-982-9894  
 Montage Group Ltd 818-955-8801



**Nova Systems Inc 860-693-0238**

NTL +44(0)1962 823434  
 NTSC Productions 310-306-0969  
 Omicron Video 818-700-0742  
 Optibase Inc 972-774-3800  
 OptImage 515-225-7000  
 Options International 615-327-8090  
 Panasonic Broadcast & Television 800-524-0864  
 PE Photon 408-261-3613  
 Philips Broadcast Television Systems +49(0)6155 870-0  
 Philips TV Test Equipment +45 3288 5911  
 Pro-Bel Inc 770-396-1971  
 Quanta Corp - Dynatech 801-328-8872  
 Questech Ltd +44(0)1734-787209  
 RE Holding A/S +45-39-17-0000  
 RGB Spectrum 510-814-7000  
 SADiE Inc 615-327-1140  
 Scientific-Atlanta 770-903-6057  
 Shintron Co Inc 508-371-7500  
**Sierra Design Labs 702-831-7837**  
 Snell & Wilcox +44(0)1730 821188  
 Sony Business & Professional 201-930-6576  
 Sprocket Digital 818-566-7700  
 ST Keltec Corp 904-244-0043  
 System Video +44(0)1813915678  
 Technical Aesthetics Operations/TAO 573-364-4925  
 Technische Inc 201-784-2288  
 Technische Ltd +44(0)1483-728006  
 Tel-Test Inc 352-374-4503  
 Textronix/Grass Valley Products 916-478-3000  
 Tieman Communications 619-587-0252  
 Toko America Inc 847-297-0070  
 United Media 714-777-4510  
 VAS Group Inc 818-843-4831  
 VGV Inc (Video Gainesville) 352-372-0270  
 Video Associates Labs Inc 512-346-5781  
 Video Int'l Development GmbH +49 (0)5105 81144

Video Int'l Development Inc 516-243-5414  
 Videotex Systems 972-231-9200  
 Vistek Electronics Ltd +44(0)1628 531221  
 Vortex Communications +44(0)1815 927243  
 Yamashita Engineering Mfg Inc 310-544-9343  
 Y/C Plus Inc 913-235-5014

## SECURITY SYSTEMS

AMCO Engineering Co 847-671-6670  
 Avtech Systems Inc 201-833-8777  
 CCTV Corp 201-489-9595  
 ChronTrol Corp 619-566-5656  
 Cohu Electronics Div 619-277-6700  
 Crestron 201-894-0660  
 J E Cuesta Co Inc 610-935-0400  
 FM Systems Inc 714-979-3355  
 I-Den Videotronics Inc +81-3-3447-5220  
 Ikegami Electronics (USA) Inc 201-368-9171  
 Jon Powell & Associates 317-896-2500  
 JVC Professional Products Co 201-794-3900  
 Marshall Electronics Optical Systems 310-390-6608  
 Meret Optical Communications 310-828-7496  
 Panasonic Broadcast & Television 800-524-0864  
 Photomart Cine-Video Inc 407-851-2780  
 Premier Wireless Inc 510-449-2101  
 Pro Power Products 818-558-6222  
 QSI Systems Inc 603-893-7707  
 RGB Spectrum 510-814-7000  
 Sony Business & Professional 201-930-6576  
 SSL Industries Inc 116-644-0233  
 Systems Wireless Ltd 703-471-7887  
 Telect Inc 509-926-6000  
 THORN Automated Systems Inc 216-871-9900  
 Viewsonics Inc 561-998-9594  
 Visual Methods Inc 201-666-3950  
 Winsted Corp 612-944-9050

## SET TOP BOX TECHNOLOGY

Extron Electronics 714-491-1500  
 Genesis Microchip 415-428-4277  
 IBM 914-642-5886  
 Jon Powell & Associates 317-896-2500  
 Pioneer New Media Technologies 310-952-2111  
 Thomson Broadcast 201-569-1650  
 Toshiba 800-879-4963

## SPEAKERS, HEADPHONES

AKG Acoustics +43 1 866 54 0  
 Alesis Corp 310-558-4530  
 Altec Lansing 405-324-5311  
 Atlas/Soundolier - Atapco Security & Com 314-349-3110  
 Audix Corp 503-682-6933  
 Auernheimer Labs & Co 209-442-1048  
 Auratone Corp 619-297-2820  
**Beck Associates Inc 512-388-9777**  
 BGW Systems Inc 310-973-8090  
 Brainstorm Electronics 213-845-1155  
 Broadcast Equipment & Parts 561-790-4192  
 Bryston Ltd 705-742-5325  
 Cabletek Electronics Ltd 604-942-1001  
 Canford Audio +44-191-4170057  
**Clear-Com Systems 510-527-6666**  
 Community Professional Loudspeakers 610-876-3400  
 Comprehensive Video Group 201-229-0025  
 Conex Electro Systems Inc 360-734-4323  
 Continental Electronics Corp 214-381-7161  
 D&B Audiotechnik AG +49-7191-9669-0  
 Denon Electronics 201-575-7810  
 Dynaudio Acoustics UK Ltd +44(0)171 4033808  
 EAW (Eastern Acoustic Works) 508-234-6158  
 Electro-Voice Inc 616-695-6831  
 Fostex America 310-921-1112  
 Fostex Corp +81-425-46-4974  
 Genelec Oy +358 77 13311  
 Group One Ltd 516-249-3662  
 HNB Communications Ltd +44(0)181-962-5000  
 ITI Electronics Inc 201-882-6405  
 JBL Professional 818-894-8850  
 JNS Electronics Inc 408-729-3838  
 KRK Systems/Group One Ltd 516-249-1399  
 Lakeside Associates Inc 714-770-6601  
 Tony Larking Pro Sales Ltd +44-1462-490-600

# Product Directory

LPB Inc	610-644-1123
Marantz Professional	+31(0)40-2734589
McCurdy Radio Industries Ltd	416-248-6155
Keith Monks Sound Systems	+44-1726-83-3183
PAC Sales/EELA Audio	+31(0)40-510484
Panasonic Pro Audio/Ramsa	714-373-7277
Perma Power Electronics Inc	847-940-0010
PHL Audio	+33-1-6069-1008
Photomart Cine-Video Inc	407-851-2780
Pioneer New Media Technologies	310-952-2111
PRECO (Broadcast Systems) Ltd	+44-181-644-4447
QMI	508-435-3666
Quality Video Supply	201-229-9800
Sennheiser elektronik KG	+49 5130-6000
Sennheiser Electronic Corp	860-434-9190
Shuttlesound Ltd	+44(0)181687-2523
Spectra Sonics	801-392-7531
Michael Stevens & Partners Ltd	+44-181-460-7299
Studer Professional Audio AG	+41 1870-7511
Tannoy Ltd	+44(0)1236-420-199
Technomad Inc	800-464-SPKR
TOA Electronics Inc	415-588-2538
United States Broadcast	606-282-1802
UREI	818-893-8411
Videoquip Research Ltd	416-293-1042
<b>Videotek Inc</b>	<b>610-327-2292</b>
VMI (Video Masters Inc)	816-587-0000
Wave:Space Inc	714-770-6601
Westlake Audio	805-499-3686
Wohler Technologies Inc	415-589-5676

## STANDARDS CONVERTERS

AJ Technology	617-969-0547
APS Professional Video Products	718-628-6800
AVS Broadcast	+44(0)181391-5678
BAL Broadcast Ltd	+44(0)1203-375827
Comtech Antenna Systems Inc	407-892-6111
Digipath Video Inc	514-697-0810
Digital Vision Inc	310-914-5200
DLE Inc	508-947-6801
Elantec Semiconductor Inc	408-945-1323
FM Systems Inc	714-979-3355
<b>Folsom Research</b>	<b>916-983-1500</b>
For-A Co Ltd	+81-3-3446-3936
FSR Inc	201-785-4347
Gennum Corp	905-632-2996
ict GmbH	+49-7025-1020
I-Den Videotronics Inc	+81-3-3447-5220
James Grunder & Associates Inc	913-492-4666
<b>Kramer Electronics</b>	<b>201-229-1059</b>
LNR Communications Inc	516-273-7111
Philips Broadcast Television Systems	+49(0)6155 870-0

**Prime Image Inc** 408-867-6519

Radyne Corporation	602-437-9620
Skotel Corp	514-333-7989
Snell & Wilcox	+44(0)1730821188
Sony Business & Professional Group	201-930-6576
Tekniche Inc	201-784-2288
Tekniche Ltd	+44(0)1483-728006
Thomson Broadcast	201-569-1650
Toshiba Corp	+81(0)33457 3244
Video Int'l Development GmbH	+49(0)5105 81144
Video Int'l Development Inc	516-243-5414
Vistek Electronics Ltd	+44(0)1628531221
Vizcom/Satellite Systems	805-544-7900
Vortex Communications	+44(0)1815792743
Wiltronix Inc	301-258-7676

## STILL STORES

Accom Inc	415-328-3818
Aston Electronic Designs Ltd	+44(0)1252-836221
AVS Graphics Ltd	+44(0)1990003220
<b>BTI Computer Systems</b>	<b>408-733-1122</b>
Chyron Corp	516-845-2026
DLE Inc	508-947-6801
Ensemble Designs	916-478-1830

Evolving Video Technologies	303-456-1450
For-A Corp of America	714-894-3311
<b>Leitch Inc</b>	<b>757-548-2300</b>
Mainframe Computer Graphics Ltd	416-391-4500
Pinnacle System	415-526-1600
Pioneer New Media Technologies	310-952-2111
Pixel Instruments Corp	408-354-9122
Pixel Power Ltd	+44(0)1223-423399
<b>Quantel Inc</b>	<b>203-656-3100</b>
Spencer Technologies	818-840-0907
Wiltronix Inc	301-258-7676

## STORAGE SYSTEMS, LABELS-AUDIO

Augan Instruments	+31(0)26-3648-966
CCS Europe GmbH	+49-811-5516-0
Electrorack Products Co	714-776-5420
Keystone Metal Products Inc	818-846-9210
Major Engineering	818-309-9470
Media Touch Systems Inc	603-893-5104
MegaDrive Systems Inc.	310-247-0006
Mobile Media	201-391-0111
Neumade Products Corp	203-866-7600
Newton Instrument Co	919-575-6426
Nigel B Furniture	818-769-9824
Photomart Cine-Video Inc	407-851-2780
Pinnacle Micro	714-789-3000
Plastic Reel Corp of America	201-933-5100
PRECO (Broadcast Systems) Ltd	+44-181-644-4447
Star Case Mfg Co Inc	219-922-4440
Storeel Corp	770-458-3280
Sun Microsystems/Interactive Services	415-969-1300
Tape Storage Systems-TCS	510-686-1801
Tripp Communications Sales-TCS	510-686-1801
Wenger Corp	507-455-4100
Winsted Corp	612-944-9050

## STORAGE SYSTEMS, LABELS-VIDEO

DLE Inc	508-947-6801
Imagine Products Inc	317-843-0706
<b>Louth Automation</b>	<b>415-843-3665</b>
MegaDrive Systems Inc.	310-247-0006
MilesTek Inc	817-455-7444
Nesbit Systems Inc	609-799-5071
Panduit Corp	708-532-1800
Philips Broadcast Television Systems	805-584-4700
Photomart Cine-Video Inc	407-851-2780
Pinnacle Micro	714-789-3000
Polyline Corp	847-390-7744
Professional Label Inc	301-598-2357
Storage Concepts Inc	714-852-8511
Sun Microsystems/Interactive Services	415-969-1300
Techni-Tool Inc	610-825-4990
3M Telecom Markets	512-984-3400
United Ad Label Co Inc	714-990-2700
US Tape & Label Corp	314-423-4411
Wenger Corp	507-455-4100
Winsted Corp	612-944-9050

## STUDIO SUPPORT, ACCESSORIES

Ac-cetera Inc	412-344-8609
AKG Acoustics	+43 1 866 54 0
Alpha Wire Corp	908-925-8000
<b>Beck Associates Inc</b>	<b>512-388-9777</b>
Lawrence Behr Associates Inc	919-757-0279
J E Cuesta Co Inc	610-935-0400
<b>DW Electrochemicals Ltd</b>	<b>905-508-7500</b>
Electrorack Products Co	714-776-5420
Forecast Consoles Inc	516-952-1000
Henry Engineering	818-355-3656
Jensen Tools Inc	602-968-6231
Kintronic Labs Inc	423-878-3141
Lake Cabinet Systems	905-729-4150
Lakeside Associates Inc	714-770-6601
LBA Technology	919-757-0279
Lumitrol Ltd	416-424-4284
Marcom	408-438-4273
Newark Electronics	800-298-3133
Nigel B Furniture	818-769-9824
Photomart Cine-Video Inc	407-851-2780
Ram Broadcast Systems	847-382-7575
<b>Sachtler AG-</b>	<b>Kommunikationstechnik</b>
	<b>+49(0)89-32158-241</b>

Techni-Tool Inc	610-825-4990
TECH-SA-PORIT	412-661-1620
Theatre Service & Supply Corp	410-467-1225
3M Telecom Markets	512-984-3400
Uni-Set Corp	716-544-3820
Walter Brewer Corp	918-493-7323
Wheatstone Corp	315-452-5000

## SYNC GENERATORS, PULSE DAS

APS Professional Video Products	718-628-6800
<b>ASACA/ShibaSoku Corp of America</b>	<b>310-827-7144</b>
AVCOM of Virginia Inc	804-794-2500
BAL Broadcast Ltd	+44(0)1203-375827
Burst Electronics Inc	505-898-1455
BVE	317-887-0996
Chyron Corp	516-845-2026
DLE Inc	508-947-6801
DT Electronics Ltd	+44(0)1203-466500
DTL Broadcast Ltd	+44(0)181-813-5200
Elantec Semiconductor Inc	408-945-1323
<b>ESE</b>	<b>310-322-2136</b>
FM Systems Inc	714-979-3355
For-A Co Ltd	+81-3-3446-3936
For-A Corp of America	714-894-3311
Hamlet Video International Ltd	+44(0)1494 793763
HEDCO	757-548-2300
Horta	714-489-0240
Image Video	416-438-3940
Intelvideo Inc	203-348-9229
<b>Kramer Electronics</b>	<b>201-229-1059</b>
<b>Leader Instruments Corp</b>	<b>516-231-6900</b>
<b>Leitch Inc</b>	<b>757-548-2300</b>
Link Electronics Inc	573-334-4433
MicroVideo Ltd	+44(0)1223834119
Multidyne Inc	516-671-7278
Network Technologies Inc	216-562-7070
Pacific Coast Marketing	408-370-3505
Philips TV Test Equipment	+45 3288 5911
Pro-Bel Inc	770-396-1971
QSI Systems Inc	603-893-7707
Shintron Co Inc	508-371-7500
Sigma Electronics Inc	717-569-2681
Snell & Wilcox	+44(0)1730821188
Sony Business & Professional	201-930-6576
Sony Electronics	408-432-1600
System Video	+44(0)1813915678
Techni-Tool Inc	610-825-4990
Tektronix	503-627-7111
Tektronix Video & Network Div	800-547-8949
Telect Inc	509-926-6000
Traxtronix/Grass Valley Products	916-478-3000
Trilogy Broadcast Ltd	+44(0)1264-332033
<b>Video Accessory Corp</b>	<b>303-443-4950</b>
<b>Videotek Inc</b>	<b>610-327-2292</b>
Vortex Communications	+44(0)1815792743
Wavetek Corp/Instrument Div	619-279-2200
Wiltronix Inc	301-258-7676
Yamashita Engineering Mfg	+81 440462 288883
Yamashita Engineering Mfg Inc	310-544-9343

## TBCS, FRAME SYNCHRONIZERS

AJ Technology	617-969-0547
Allen Avionics Inc	516-248-8080
Alpha Image Ltd	+44(0)1635521939
Alpine Optics Inc	954-344-9871
APS Professional Video Products	718-628-6800
Audio Kinetics UK Ltd	+44(0)1819531118
<b>Beck Associates Inc</b>	<b>512-388-9777</b>
Broadcast Electronic Services	904-646-1630
Complex Corp	316-342-7743
Command Corp	813-724-1220
Comtech Antenna Systems Inc	407-892-6111
<b>Digital Graphix</b>	<b>201-845-8900</b>
<b>Digital Processing Systems/DPS</b>	<b>606-371-5533</b>
DLE Inc	508-947-6801
DNF Industries	818-252-0198
DT Electronics Ltd	+44(0)1203-466500
DTL Broadcast Ltd	+44(0)181-813-5200
Elantec Semiconductor Inc	408-945-1323
Ensemble Designs	916-478-1830
Feral Industries/James Grunder & Assoc	913-492-4666
For-A Co Ltd	+81-3-3446-3936
For-A Corp of America	714-894-3311





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**Hotronic Inc** 408-378-3883  
 I-Den Videotronics Inc +81-3-3447-5220  
 James Grunder & Associates Inc 913-492-4666  
 JVC Professional Products Co 201-794-3900  
**Leitch Inc** 757-548-2300  
 Microtime Inc 860-242-4242  
**Miranda Technologies** 514-333-1772  
 MSC Electronics Ltd 905-731-9500



**Nova Systems Inc** 860-693-0238

Philips Broadcast Television Systems +49(0)6155870-0  
 Pixel Instruments Corp 408-354-9122



**Prime Image Inc** 408-867-6519

Questech Ltd +44(0)1734-787209  
 Snell & Wilcox +44(0)1730821188  
 Sony Business & Professional Group 201-930-6576  
 Sony Electronics 408-432-1600  
 Tekniche Inc 201-784-2288  
 Tekniche Ltd +44(0)1483-728006  
 Tektronix 503-627-7111  
 Tektronix Video & Network Div 800-547-8949  
 Tektronix/Grass Valley Products 916-478-3000  
 Toshiba Corp +81(0)334573244  
**Videotek Inc** 610-327-2292  
 Vistek Electronics Ltd +44(0)1628531221  
 Viz Technology 718-714-9873  
 Wiltronix Inc 301-258-7676

## TELCO INTERFACE EQUIPMENT

AEQ SA +34 1 686-1300  
 AEV SRL +39 51 950249  
 Audix Broadcast Ltd +44(0)1799-542220  
 Brainstorm Electronics 213-845-1155  
 Broadcast Equipment & Parts 561-790-4192  
 BSW-Broadcast Supply Worldwide 206-565-2301  
**Clear-Com Systems** 510-527-6666  
**Comrex Corp** 508-263-1800  
 Dateq Audio Technologies +31(0)36-547-2222  
 DLE Inc 508-947-6801  
 D&R Electronica bv +31(0)294 418014  
**ESE** 310-322-2136  
 Fuller Manufacturing Inc 818-500-0116  
**Gentner Communications Corp** 801-975-7200  
 GP Enterprises Inc 512-749-7026  
 Henry Engineering 818-355-3656  
 ITI Electronics Inc 201-882-6405  
 JK Audio 815-786-2929  
 Joslyn Electronic Systems Corp 805-968-3551  
 JT Communications 352-236-0744  
 Lectronics Inc 505-892-4501  
 NTP Elektronik A/S +45 4453 1188  
 PAC Sales/EELA Audio +31(0)40-510484  
 Photomart Cine-Video Inc 407-851-2780  
 Plasmech Systems Ltd +44-1252 721236  
 PRECO (Broadcast Systems) +44-181-644-4447  
 Professional Sound Corp 805-295-9395  
 RAMI +33-1-6466-2020  
 R-Columbia Products Co Inc 847-432-7915  
 Solidyne +54 1 701-8622  
 Sonifex Ltd +44(0)1933 650700  
 Studer Professional Audio AG +41 1 870-7511  
 Studer Editech 615-391-3399  
 Swintek 408-727-4889  
 Telfax Communications 515-296-9911  
 Telos Systems 216-241-7225  
 Vortex Communications +44(0)1815 792743

## TELCO TERMINAL EQUIPMENT

AEQ SA +34 1 686-1300  
 Broadcast Equipment & Parts 561-790-4192



**Comrex Corp** 508-263-1800

**Gentner Communications Corp** 801-975-7200  
 ITI Electronics Inc 201-882-6405  
 Nuova ELIT +39 2 3340-2992  
 PRECO (Broadcast Systems) Ltd +44-181-644-4447  
 Solidyne +54 1 701-8622  
 Vortex Communications +44(0)1815 792743

## TEST EQUIPMENT-AUDIO

**ASACA/ShibaSoku** 310-827-7144  
 Audio Precision 503-627-0832  
 AudioControl Industrial 206-775-8461  
**Beck Associates Inc** 512-388-9777  
**Boland Communications** 714-367-9911  
 Boonton Electronics Corp 201-386-9696  
 Brüel & Kjær Instruments Inc 770-981-3998  
 Circuit Research Labs Inc 602-438-0888  
 Conex Electro Systems Inc 360-734-4323  
 Davicom Technologies 819-370-4343  
 DK-Audio +45 4453 0255  
 Dorough Electronics 818-998-2824  
 EIP Microwave Inc 408-945-1477  
**ESE** 310-322-2136  
 FM Systems Inc 714-979-3355  
 Full Compass Systems Ltd 608-831-7330  
 G Prime Ltd 212-765-3415  
 Gauss 213-875-1900  
 Gold Line Inc 203-938-2588  
 HEDCO 757-548-2300  
 HES Electronics +32(2) 466-8180  
**Hewlett-Packard Co** 509-921-3331  
 Richard Hirschmann GmbH +43-5522-307-520  
 Horita 714-489-0240  
 Image Video 416-438-3940  
 JNS Electronics Inc 408-729-3838  
**Leader Instruments Corp** 516-231-6900  
 Magni Systems 503-626-8400  
 McCurdy Radio Industries Ltd 416-248-6155  
 MicroAudio Inc 503-293-0562  
 Modulation Sciences 908-302-3090  
 Multidyne Inc 516-671-7278  
 Neutrik AG +41-75-237-2424  
 Neutrik Instrumentation Inc 514-344-5220  
 Pacific Coast Marketing 408-370-3505  
 Potomac Instruments 301-589-2662  
 PRECO (Broadcast Systems) +44-181-644-4447  
 Products International 301-587-7824  
 Prism Media Products Inc 908-747-7272  
 Pro-Bel Inc 770-396-1971  
 Rane Corp 206-355-6000  
 Rohde & Schwarz Inc 301-459-8800  
 Rohde & Schwarz GmbH & Co Kg +49-89-41292321  
 Sabine Inc 904-418-2000  
 Scantex Labs Inc 514-626-8943  
 Schmid Telecommunication America 609-742-1878  
 Sescom Inc 702-565-3400  
 Sound Technology Inc 408-378-6540  
 StageTech Developments AB +46-40-150-018  
 Stanford Research Systems 408-744-9040  
 Tally Display Corp 914-365-6393  
 Techni-Tool Inc 610-825-4990  
 Tektronix 503-627-7111  
 TFT Inc 408-727-7272  
 Titus Technological Labs 860-633-5472  
 TTC/Telecommunications  
 Techniques Corp 301-353-1550  
 Wandel & Goltermann +49 7121 862102  
 Wide Band Engineering Co Inc 602-254-1570  
**Wireworks Corp** 908-686-7400  
 XTA Electronics Ltd +44-1299-879-977

## TEST EQUIPMENT-COMPRESSION/MPEG

Audio Precision 503-627-0832  
 Digital Transport Systems 619-675-1410  
**Hitachi Denshi America Ltd** 310-328-6116  
 Products International 301-587-7824  
 Rohde & Schwarz Inc 301-459-8800  
 Sencore Electronics 605-339-0100

Tektronix 503-627-7111  
 Tektronix Video & Network Div 800-547-8949

## TEST EQUIPMENT-COMPUTER NETWORK

B&B Electronics Mfg Co 815-433-5100  
 Contact East Inc 508-682-2000  
 Fluke Corp 206-347-6100  
 Fotec Inc 617-396-6155  
 Jensen Tools Inc 602-968-6231  
 Neutrik AG +41-75-237-2424  
 Products International 301-587-7824  
 Prism Media Products Inc 908-747-7272  
 StageTech Developments AB +46-40-150-018  
 Techni-Tool Inc 610-825-4990  
 Tektronix 503-627-7111  
 TTC/Telecommunications  
 Techniques Corp 301-353-1550  
 Viewtronics Ltd +44(0)1483 750573  
 Wavetek Corp/Instrument Div 619-279-2200  
 Wiltronix Inc 301-258-7676

## TEST EQUIPMENT-GENERAL

Anritsu Wiltron 408-776-8300  
 Audio Precision 503-627-0832  
 B&B Electronics Mfg Co 815-433-5100  
 Belar Electronics Lab Inc 610-687-5550  
 F W Bell Inc 407-678-6900  
 Boonton Electronics Corp 201-386-9696  
 Broadcast Equipment & Parts 561-790-4192  
 Contact East Inc 508-682-2000  
 Continental Electronics Corp 214-381-7161  
 J E Cuesta Co Inc 610-935-0400  
 DK-Audio +45 4453 0255  
 Dranetz Technologies Inc 908-287-3680  
 EIP Microwave Inc 408-945-1477  
 Fieldpiece Instruments 714-992-1239  
 FM Systems Inc 714-979-3355  
 Gold Line Inc 203-938-2588  
**Hewlett-Packard Co** 509-921-3331  
 Holaday Industries Inc 612-934-4920  
 Image Video 416-438-3940  
 Jensen Tools Inc 602-968-6231  
 JFW Industries 317-887-1340  
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 Photomart Cine-Video Inc 407-851-2780  
 PRECO (Broadcast Systems) +44-181-644-4447  
 Products International 301-587-7824  
 Pulizzi Engineering Inc 714-540-4229  
 Rohde & Schwarz Inc 301-459-8800  
 Rohde & Schwarz GmbH +49-89-41292321  
 Schmid Telecom AG 41-1-456-1111  
 Sencore Electronics 605-339-0100  
 Simpco Electric 708-697-2260  
 Solder Absorbing Technology/SAT 413-788-6191  
 Sorensen Co 619-458-0259  
 A W Sperry Instruments Inc 516-231-7050  
 SSAC Inc 315-638-1300  
 Stanford Research Systems 408-744-9040  
 Techni-Tool Inc 610-825-4990  
 Tektronix 503-627-7111  
 Triplett Corp 419-358-5015  
 TTC/Telecommunications  
 Techniques Corp 301-353-1550  
 Viewsonics Inc 561-998-9594  
 Wavetek Corp/Instrument Div 619-279-2200  
 Xentek Inc 760-471-4001

## TEST EQUIPMENT-RF

Aitronic Research Inc 501-449-4093  
 R B Annis Co Inc 317-637-9282  
 Anritsu Wiltron 408-776-8300  
**ASACA/ShibaSoku** 310-827-7144  
 AudioControl Industrial 206-775-8461  
 AVCOM of Virginia Inc 804-794-2500



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Bird Electronic Corp	216-248-1200
Boonton Electronics Corp	201-386-9696
Coaxial Dynamics	216-267-2233
Continental Electronics Corp	214-381-7161
J E Cuesta Co Inc	610-935-0400
Davicom Technologies	819-370-4343
Delta Electronics Inc	703-354-3350
DK-Audio	+45 4453 0255
Dranetz Technologies Inc	908-287-3680
Eagle	520-204-2597
EIP Microwave Inc	408-945-1477
Fluke Corp	206-347-6100
General Instrument Corp	215-674-4800
Gold Line Inc	203-938-2588
GP Enterprises Inc	512-749-7026
<b>Hewlett-Packard Co</b>	<b>509-921-3331</b>
Richard Hirschmann GmbH	+43-5522-307-520
<b>Hitachi Denshi America Ltd</b>	<b>310-328-6116</b>
Holiday Industries Inc	612-934-4920
Ivie Technologies Inc	801-224-1800
JFW Industries	317-887-1340
Kathrein-Werke KG	+49-08031-184-0
Kay Elemetrics Corp	201-628-6200
<b>Leader Instruments Corp</b>	<b>516-231-6900</b>
LNR Communications Inc	516-273-7111
Lockheed Martin Microwave	516-231-1700
Loral Microwave-Narda	516-231-1700
MFJ Enterprises Inc	601-323-5869
MSC Electronics Ltd	905-731-9500
Nuova ELIT	+39 2 3340-2992
Pacific Coast Marketing	408-370-3505
Philips Broadband Networks Inc	315-682-9105
Potomac Instruments	301-589-2662
Products International	301-587-7824
Riser-Bond Instruments	402-466-0933
Rohde & Schwarz Inc	301-459-8800
Rohde & Schwarz GmbH & Co Kg	+49-89-41292321
Sencore Electronics	605-339-0100
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TTC/Telecommunications	
Techniques Corp	301-353-1550
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Wavetek Corp/Instrument Div	619-279-2200
Wide Band Engineering Co Inc	602-254-1570

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Pacific Coast Marketing	408-370-3505
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Plateau Digital Technology	916-268-0190
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Pro-Bel Inc	770-396-1971
Rohde & Schwarz Inc	301-459-8800
Rohde & Schwarz GmbH & Co Kg	+49-89-41292321
Sencore Electronics	605-339-0100

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Stanford Research Systems	408-744-9040
SyntheSys Research	415-364-1853
System Video	+44(0)1813915678
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Tektronix	503-627-7111
Tektronix Video & Network Div	800-547-8949
Tel-Test Inc	352-374-4503
TTC/Telecommunications	
Techniques Corp	301-353-1550
<b>Videotek Inc</b>	<b>610-327-2292</b>
Viewtronics Ltd	+44(0)1483750573
Viz Technology	718-714-9873

## TEST EQUIPMENT-VIDEO

<b>AAVS/Sencore</b>	<b>605-339-0100</b>
<b>ASACA/ShibaSoku Corp of America</b>	<b>310-827-7144</b>
Burst Electronics Inc	505-898-1455
Colorado Video Inc	303-530-9580
Comsonics	703-434-5965
Data Check	619-578-0101
Davicom Technologies	819-370-4343
Dorrrough Electronics	818-998-2824
Dranetz Technologies Inc	908-287-3680
DSC Labs	905-673-3211
DT Electronics Ltd	+44(0)1203-466500
DTL Broadcast Ltd	+44(0)181-813-5200
EEG Enterprises Inc	516-293-7472
Fluke Corp	206-347-6100
FM Systems Inc	714-979-3355
GP Enterprises Inc	512-749-7026
Graseby Optronics	407-282-1408
Hamlet Video/James Grunder & Assoc	913-492-4666
HEDCO	757-548-2300
<b>Hewlett-Packard Co</b>	<b>509-921-3331</b>
Richard Hirschmann GmbH	+43-5522-307-520
<b>Hitachi Denshi America Ltd</b>	<b>310-328-6116</b>
Horita	714-489-0240
I-Den Videotronics Inc	+81-3-3447-5220
James Grunder & Associates Inc	913-492-4666
<b>Leader Instruments Corp</b>	<b>516-231-6900</b>
Link Electronics Inc	573-334-4433
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Adwar Video 516-349-1800  
Alesis Corp 310-558-4530  
APS Professional Video Products 718-628-6800  
Arriflex Corp 914-353-1400  
Audio Kinetics UK Ltd +44(0)181953-8118  
Avitel Electronics Ltd +44(0)181655-3200  
Avitel Inc 801-977-9553  
AVS Graphics Ltd +44(0)1990003220  
Axon Digital Design BV +31(0)13511 4500  
BCD Associates 405-843-4574  
Brainstorm Electronics 213-845-1155  
Burst Electronics Inc 505-898-1455  
Canford Audio +44-191-4170057  
Cipher Digital 301-695-0200  
W Clark & Associates Ltd 309-837-2244  
Denecke Inc 818-766-3525  
Diaquest Inc 510-526-7167  
Digital Expressions Inc 206-718-9895  
DTL Broadcast Ltd +44(0)181-813-5200  
D-Vision Systems Inc 773-714-1400  
Ensemble Designs 916-478-1830  
**ESE** 310-322-2136  
Evertz Microsystems Ltd 905-335-3700  
Fast Forward Video 714-852-8404  
For-A Corp of America 714-894-3311  
FutureVideo 714-770-4416  
Gray Engineering Labs Inc 714-997-4151  
Hamlet Video International Ltd +44(0)1494 793763  
Horita 714-489-0240  
Image Logic Corp 301-907-8891  
Imagine Products Inc 317-843-0706  
JRF Magnetic Sciences Inc 201-579-5773  
JVC Professional Products Co 201-794-3900  
**Leitch Inc** 757-548-2300  
Mainframe Computer Graphics Ltd 416-391-4500  
OpTex +44(0)181-4412199  
Options International 615-327-8090  
Outland Technology Inc 504-367-0104  
Shintron Co Inc 508-371-7500  
Skotel Corp 514-333-7989  
Sony Business & Professional Group 201-930-6576  
Sumitomo Electric USA Inc 310-782-0227  
TASCAM/Teac Profession 213-726-0303  
Telcom Research 905-336-2450  
Vid-Video Inc 818-845-1515  
VideoLab Para Technologies 503-644-7657  
Vortex Communications +44(0)1815 792743  
Wide Range Electronics 314-230-7178  
Wiltronix Inc 301-258-7676

## TIME DELAY-AUDIO

ADM Systems 810-524-2100  
APS Professional Video Products 718-628-6800  
Biamp Systems 503-641-7287  
Brainstorm Electronics 213-845-1155  
dB Technologies 213-845-1155  
Digigram +33 7652.4747  
DLE Inc 508-947-6801  
DOD Electronics 801-566-8800  
DTL Broadcast Ltd +44(0)181-813-5200  
Electro-Voice Inc 166-695-6831  
Eventide Inc 201-641-1200  
FloriCal Systems Inc 352-372-8326  
For-A Corp of America 714-894-3311  
Graham-Patten Systems 916-273-8412  
Group One Ltd 516-249-3662  
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Lexicon Inc 617-736-0300  
Merlin Engineering Works Inc 415-856-0900  
Micro Technology Unlimited 919-870-0344  
Georg Neumann GmbH +49(0)30 4177240  
**Nova Systems Inc** 860-693-0238  
**Ogenic On Air Systems** 619 479 1711  
OmniSound Corp 415-457-8114  
Pacific Recorders & Engineering 760-438-3911  
Panasonic Pro Audio/Ramsa 714-373-7277  
Pixel Instruments Corp 408-354-9122  
PRECO (Broadcast Systems) Ltd +44-181-644-4447

## Prime Image

Prime Image Inc 408-867-6519

Questech Ltd +44(0)1734-787209  
Rane Corp 206-355-6000  
Samson Technologies Corp 516-364-2244  
Siemens Audio Co 212-949-2324  
Solidyne +54 1 701-8622  
Sonic Solutions 415-893-8000  
Sonifex Ltd +44(0)1933650700  
Sony Business & Professional Group 201-930-6576  
Spectra Sonics 801-392-7531  
Spectral Inc 206-487-2931  
Michael Stevens & Partners Ltd +44-181-460-7299  
Symetrix 206-787-3222  
Tekniche Inc 201-784-2288  
Video International Development Corp 516-243-5414  
Vortex Communications +44(0)1815 792743  
XTA Electronics Ltd +44-1299-879-977

## TIME DELAY-VIDEO

ADT (Applied Digital Technology) 352-338-0516  
Alamar USA Inc 408-866-9373  
Allen Avionics Inc 516-248-8080  
**ASC Audio Video** 818-843-7004  
FloriCal Systems Inc 352-372-8326  
**Hotronic Inc** 408-378-3883  
Matthey Electronics +44-1782-524919  
**Nova Systems Inc** 860-693-0238

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Tektronix Video & Network Div 800-547-8949  
Television Equipment - Matthey 914-763-8893  
Wiltronix Inc 301-258-7676

## TOOLS

Alpha Wire Corp 908-925-8000

## CANARE

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Gepco International 312-733-9555  
Jensen Tools Inc 602-968-6231  
MilesTek Inc 817-455-7444  
Newark Electronics 800-298-3133  
ORA Electronics 818-772-2700  
PACE Inc 301-490-9860  
Photomart Cine-Video Inc 407-851-2780  
Products International 301-587-7824  
Techni-Tool Inc 610-825-4990  
3M Telecom Markets 512-984-3400  
**Trompeter Electronics Inc** 818-707-2020  
Weidmuller Inc/Paladin Tools 805-499-0318  
Western Electronic Production 760-723-9944

## TOWER-SERVICES

Andrew Corp 708-349-3300  
Antenna Concepts Inc 916-621-2015  
Arden Technologies Inc 954-730-0565  
Broadcast Communications 608-527-5670  
CMBE 916-933-9330  
Alan Dick & Co Ltd +44(0)1242 518500  
Doty-Moore Tower Services 972-293-1200  
ERI - Electronics Research 812-925-6000  
Express Tower Co 918-783-5129  
Flash Technology Corp of America 615-377-0600  
Gabriel Electronics Inc 207-883-5161  
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Kline Towers 803-251-8000  
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LDL Communications Inc 301-498-2200  
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Marcom 408-438-4273  
Marconi Communications Inc 703-620-0333  
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SWR Inc 814-472-5436  
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 Extron Electronics 714-491-1500  
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 Fotec Inc 617-396-6155  
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 SCTE 610-363-6888  
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 Techniques Corp 301-353-1550  
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 C-COR Electronics Inc 814-238-2461  
 Coaxial Dynamics 216-267-2233  
 COMWAVE 717-474-6751  
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 Dielectric Communications 207-655-4555  
 Doty-Moore Tower Services 972-293-1200  
 Eagle 520-204-2597  
 Electro Impulse Lab Inc 908-776-5800  
**EMCEE Broadcast Products 717-443-9575**  
 Environmental Technology Inc 219-233-1202  
 ERI - Electronics Research 812-925-6000  
 ETM Electromatic Inc 510-797-1100  
 Gabriel Electronics Inc 207-883-5161  
 GEC-Marconi Communications Ltd +44-1245-353221  
 Harris Corp/Broadcast Div/Hqtrs 217-222-8200  
 Richard Hirschmann GmbH +43-5522-307-520

**TRANSMIT ANTENNAS**  
 Advent Communications Ltd +44(0)1494 774400  
**Allen Osborne Associates 805-495-8420**  
 Andrew Corp 708-349-3300  
 Antenna Concepts Inc 916-621-2015  
 Arden Technologies Inc 954-730-0565  
 Astre Systems 209-575-1000  
 Astroguide 815-224-2700  
 Lawrence Behr Associates Inc 919-757-0279  
 Blonder-Tongue Labs Inc 908-679-4000  
 Broadcast Cartridge Service 714-898-7224  
 Broadcast Equipment & Parts 561-790-4192  
**Broadcast Microwave Services 619-560-8601**  
 Channel Master 919-934-9711  
 Comsat RSI 770-497-8800  
 ComStream Corp/A Spar Co 619-458-1800  
 Comtech Antenna Systems Inc 407-892-6111  
 COMWAVE 717-474-6751  
 Conifer Corp 319-752-3607  
 Continental Electronics Corp 214-381-7161  
 Continental Microwave Ltd +44-1582-424233  
 Davicom Technologies 819-370-4343  
 DH Satellite 608-326-8406  
 Alan Dick & Co Ltd +44(0)1242 518500  
 Dielectric Communications 207-655-4555  
 Doty-Moore Tower Services 972-293-1200  
 Electro-Voice Inc 616-695-6831  
**EMCEE Broadcast Products 717-443-9575**  
 E-N-G Mobile Systems Inc 510-798-4060  
 ERI - Electronics Research 812-925-6000  
 Gabriel Electronics Inc 207-883-5161  
 GC Thorsen Inc 815-968-9661  
 GEC-Marconi Communications Ltd +44-1245-353221  
 General Microwave Services Inc 760-631-8021  
 Harris Corp/Broadcast Div/Hqtrs 217-222-8200  
 Hero Productions 305-887-1600  
 HPG Industries (Sharp Electronics) 718-479-3011  
 IRTE Spa +39 331 797286  
 ITS Corp 412-941-1500  
**Jampro Antennas Inc 916-383-1177**  
 JNS Electronics Inc 408-729-3838  
 Kathrein-Werke KG +49-08031-184-0  
 Kintronic Labs Inc 423-878-3141  
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 LBA Technology 919-757-0279  
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LDL Communications Inc	301-498-2200
LeBlanc & Royle Telcom Inc	905-844-1242
Lindsay Specialty Products	705-324-2196
Link Communications SA	+343 347-1457
LNR Communications Inc	516-273-7111
Magnavox	310-618-7046
Marcom	408-438-4273
Marconi Communications Inc	703-620-0333
Marti Electronics	817-645-9163
Micro Communications	603-624-4351
MSC Electronics Ltd	905-731-9500
News/Sports Microwave Rental (NS)	619-670-0572
NSI	410-964-8400
Nuova ELIT	+392 3340-2992
Nurad Technologies Inc	410-462-1700
Orbitron International	608-588-2923
Precision Specialties Inc	818-349-9774
Prodelin Corp	704-464-4141
Quickset International Inc	708-498-0700
RF Systems	203-239-3311
RF Technology Inc	203-866-4283
Rohde & Schwarz GmbH	+49-89-41292321
Satellite Export & Engineering	517-629-5990
Scala Electronic Corp	541-779-6500
Scientific-Atlanta	770-903-6163
Scientific-Atlanta	770-903-6057
Shively Labs	207-647-3327
SWR Inc	814-472-5436
Technosystem SPA	+39(0) 6 2280396
Telefunken Sendertechnik	+49(0)30 3463-2417
Thomcast	+33 1 3490-3100
Tower Network Services	954-771-7180
Tron-Tek Inc	918-663-4877
Trylon TSF	519-669-5421
Vertex Communications Corp	903-984-0555
Western Technical Services	714-634-7570

## TRANSMITTERS, TRANSLATORS

Acoustical Solutions	804-346-8350
Acrodyne Industries Inc	215-542-7000
<b>Advanced Broadcast Systems Inc</b>	<b>606-689-0075</b>
Advent Communications Ltd	+44(0)1494 774400
Andrew Corp	708-349-3300
<b>ASACA/ShibaSoku Corp of America</b>	<b>310-827-7144</b>
Astre Systems	209-575-1000
Barco Inc	770-218-3200
Bext Inc	619-239-8462
Broadcast Electronics Inc	217-224-9600
Broadcast Equipment & Parts	561-790-4192
Comark Communications	215-882-0777
COMWAVE	717-474-6751
Continental Electronics Corp	214-381-7161
Continental Microwave Ltd	+44-1582-424233
Crown Broadcast	219-294-8050
Dynatech Tactical Communications	603-880-4411
Elcom Bauer	915-595-1048
<b>EMCEE Broadcast Products</b>	<b>717-443-9575</b>
Energy-Onix Broadcast Equipment	518-828-1690
ETM Electromatic Inc	510-797-1100
Force Inc	540-382-0642
Frequency Products Inc	415-364-0600
GEC-Marconi Communications	+44-1245-353221
Harris Corp/Broadcast Div/Hqtrs	217-222-8200
Richard Hirschmann GmbH	+43-5522-307-520
HPG Industries	718-479-3011
Iptek	760-438-8362
IRTE Spa	+39 331 797286
ISS Engineering Inc	415-424-0380
ITELCO SpA	+39-763-316231
ITS Corp	412-941-1500
JT Communications	352-236-0744
Kathrein-Werke KG	+49-08031-184-0
Larcan-TTC Inc	303-665-8000
LDL Communications	303-665-8000
LDL Communications Inc	301-498-2200
Link Communications SA	+34 3347-1457
Marcom	408-438-4273
Marconi Communications Inc	703-620-0333
Marshall Electronics Optical Systems	310-390-6608
Meret Optical Communications	310-828-7496
MSC Electronics Ltd	905-731-9500
Nauteil Maine Inc	207-947-8200
Nuova ELIT	+39 2 3340-2992

Old Dominion Broadcast Service	804-740-4717
Omnitronix Inc	215-699-2400
PESA Switching Systems Inc	205-726-9200
Philips TV Test Equipment	+45 3288 5911
PRECO (Broadcast Systems)	+44-181-644-4447
Premier Wireless Inc	510-449-2101
QEI Corp	609-728-2020
RIZ-Transmitters Co	+385 41-232055
Rohde & Schwarz Inc	301-459-8800
Rohde & Schwarz GmbH	+49-89-41292321
Scientific-Atlanta	770-903-6057
Standard Communications Corp	310-532-5300
Technosystem SPA	+39(0) 6 2280396
Tectan Inc	510-798-2222
Teko Telecom SRL	+39-51-6256148
Telefunken Sendertechnik	+49(0)30 3463-2417
Tepeco Corp	605-343-7200
TFT Inc	408-727-7272
Thomcast	+33 1 3490-3100
Tieman Communications	619-587-0252

## TRANSMITTER TUBES

Acoustical Solutions	804-346-8350
Advent Communications Ltd	+44(0)1494 774400
AML Inc	805-388-1345
Andrew Corp	708-349-3300
Astre Systems	209-575-1000
<b>BAF Communications Corp</b>	<b>407-324-8250</b>
Brainstorm Electronics	213-845-1155
Broadcast Equipment & Parts	561-790-4192
Burle Industries Inc	717-295-6000
California Tube Lab Inc	408-475-2939
<b>Communications &amp; Power Industries</b>	<b>408-496-6273</b>
COMWAVE	717-474-6751
Continental Electronics Corp	214-381-7161
Continental Microwave Ltd	+44-1582-424233
CPI Canada Inc	905-877-0161
CPI/Eimac Division	415-592-1221
Peter Dahl Co Inc	915-751-2300
Daily Electronics Corp	360-896-8856
Davicom Technologies	819-370-4343
DLE Inc	508-947-6801
Econco Inc	916-662-7553
EEV	914-592-6050
ETM Electromatic Inc	510-797-1100
General Microwave Services Inc	760-631-8021
Richard Hirschmann GmbH	+43-5522-307-520
IRTE Spa	+39 331 797286
Marcom	408-438-4273
Marconi Communications Inc	703-620-0333
MCL Inc	630-759-9500
MFJ Enterprises Inc	601-323-5869
Motorola Semiconductor Products	800-441-2447
MSC Electronics Ltd	905-731-9500
Mu-Dei Electronics Inc	703-709-9400
Newark Electronics	800-298-3133
Nuova ELIT	+39 2 3340-2992
Penta Labs	818-882-3872
PRECO (Broadcast Systems)	+44-181-644-4447
QEI Corp	609-728-2020
Richardson Electronics	630-208-2200
Sharb Electronics	718-479-3011
ST Keltec Corp	904-244-0043
Svetlana Electron Devices	415-233-0429
Technosystem SPA	+39(0) 6 2280396
Telefunken Sendertechnik	+49(0)30 3463-2417
Tepeco Corp	605-343-7200
<b>Thomson Components &amp; Tubes</b>	<b>201-812-9000</b>
<b>Thomson Tubes Electroniques</b>	<b>+33 1 3070-3500</b>
Thor Electronics Corp	908-486-3300
Toshida Corp	+81(0)3 3457 3244
Vacuum Tube Industries	508-584-4500
Varian Associates	415-424-4819

## TRANSPORT CASES

Aarmor Case Co	616-374-5431
Anvil Cases	818-968-4100
ASA Productions	714-998-5575
Birns & Sawyer Inc	213-466-8211
Clipper Products	513-528-7011
CSI Camera Support International	818-887-5430
J E Cuesta Co Inc	610-935-0400
Fiberbilt Cases	212-675-5820

Future Case	508-626-2277
Hardigg Cases/Hardigg Industries	413-665-2163
Howe Industries	407-323-1830
Hybrid Cases	516-563-1181
IPK Broadcast Systems	+44-1734-311030
Island Cases	516-563-0633
Kangaroo Video Products Inc	609-562-9696
Kata USA - Ste-Man Inc.	805-520-4725
Lightware Inc	303-744-0202
LM Engineering Inc	800-874-8326
Miles Tek Inc	817-455-7444
Nalpak Video Sales Inc	619-258-1200
Neumade Products Corp	203-866-7600
Newark Electronics	800-298-3133
Parsons Mfg Corp	415-324-4726
Penn Fabrication Inc	805-529-4962
Photomart Cine-Video Inc	407-851-2780
Plastic Reel Corp of America	201-933-5100
Powermark Case Corp	303-421-7912
Products International	301-587-7824
Reliance Plastics & Packaging	201-473-7200
RTI-Research Technology Int'l	847-677-3000
<b>Sachtler Corp of America</b>	<b>516-867-4900</b>
SKB Case Co	561-288-7200
Star Case Mfg Co Inc	219-922-4440
Techni-Tool Inc	610-825-4990
Tek Media Supply Co	847-677-3000
Telepak San Diego	619-268-8559
Thermodyne International Ltd	909-923-9945
Viewsonics Inc	561-998-9594
Viking Cases	813-577-1216
Walter Brewer Corp	918-493-7323

## TURNTABLES, ACCESSORIES

Ac-cetera Inc	412-344-8609
ADM Systems	810-524-2100
API-Audio Products Inc	703-455-8188
Ashly Audio Inc	716-544-5191
ATI-Audio Technologies Inc	215-443-0330
Auditricks Inc	901-362-1350
Benchmark Media Systems Inc	315-437-6300
Biamp Systems	503-641-7287
Bogen Communications Inc	201-934-8500
Brainstorm Electronics	213-845-1155
Broadcast Equipment & Parts	561-790-4192
Calrec Audio Ltd	+44-1422-842-159
Canford Audio	+44-191-4170057
Conex Electro Systems Inc	360-734-4323
Continental Electronics Corp	214-381-7161
Cooper Sound Systems	714-248-1361
Crookwood	+44-1628-528-026
Denon Electronics	201-575-7810
DOD Electronics	801-566-8800
D&R Electronics bv	+31(0)294 418014
Drawmer Ltd	+44-1924-378-669
DTL Broadcast Ltd	+44(0)181-813-5200
EDCOR Electronics	505-887-6790
Emo Systems Ltd	+44-191-373-0787
FM Acoustics Ltd	+41-1-725-7777
Full Compass Systems Ltd	608-831-7330
Fuller Manufacturing Inc	818-500-0116
G Prime Ltd	212-765-3415
HES Electronics	+32(2) 466-8180
Image Video	416-438-3940
Intelix Corp	608-831-0880
ITI Electronics Inc	201-882-6405
Jensen Transformers Inc	818-374-5857
JNS Electronics Inc	408-729-3838
Tony Larking Pro Sales Ltd	+44-1462-490-600
Logitek	713-782-4592
Georg Neumann GmbH	+49(0)30 4177240
OpTex	+44(0)181-4412199
PAC Sales/EELA Audio	+31(0)40-510484
Pacific Recorders & Engineering	760-438-3911
Photomart Cine-Video Inc	407-851-2780
PRECO (Broadcast Systems)	+44-181-644-4447
ProTech Audio Corp	516-584-5855
Radio Design Labs	805-684-5415
Ram Broadcast Systems	847-382-7575
RAMI	+33-1-6466-2020
Ramko Research	916-672-7932
Rane Corp	206-355-6000
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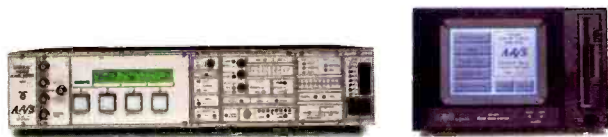


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Solidyne	+54 1 701-8622
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Spectra Sonics	801-392-7531
Stanton Magnetics Inc	516-349-0235
Studer Professional Audio AG	+41 1 870-7511
Studio Technologies Inc	847-676-9177
Summit Audio Inc	408-395-2448
Superscope Technologies/Marantz	630-820-4800
Symetrix	206-787-3222
Tekniche Inc	201-784-2288
Tel-Test Inc	352-374-4503
TOA Electronics Inc	415-588-2538
University Sound	405-324-5311
Valley Audio/Galaxy Audio	316-265-9500
Videoquip Research Ltd	416-293-1042
Ward-Beck Systems Ltd	416-438-6550

## VIDEO ACCESSORIES

Adrienne Electronics Corp	702-896-1858
Allen Avionics Inc	516-248-8080
<b>ASACA/ShibaSoku</b>	<b>310-827-7144</b>
<b>Boland Communications</b>	<b>714-367-9911</b>
Broadcast Electronic Services	904-646-1630
Broadcast Video Systems Ltd	905-764-1584
Comtech Antenna Systems Inc	407-892-6111
Diaguest Inc	510-526-7167
DLE Inc	508-947-6801
DT Electronics Ltd	+44(0)1203-466500
DTL Broadcast Ltd	+44(0)181-813-5200
<b>ESE</b>	<b>310-322-2136</b>
FM Systems Inc	714-979-3355
Geppo International	312-733-9555
Hamlet Video International Ltd	+44(0)1494 793763
Horita	714-489-0240
ict GmbH	+49-7025-1020
Image Video	416-438-3940
Imagine Products Inc	317-843-0706
Inline Inc	310-690-6767
IRT Electronics Pty Ltd	+61 2 4393744
MicroVideo Ltd	+44(0)1223 834119
Microvideo USA Inc	203-393-0598
Multidyne Inc	516-671-7278
Panasonic Broadcast & Television	800-524-0864
QSI Systems Inc	603-893-7707
Sigma Electronics Inc	717-569-2681
Sony Business & Professional Group	201-930-6576
Sprocket Digital	818-566-7700
Tally Display Corp	914-365-6393
Video Data Systems	516-231-4400
Videoquip Research Ltd	416-293-1042
Videotex Systems	972-231-9200
Vortex Communications	+44(0)1815 792743
Wiltronix Inc	301-258-7676

## VIDEO COMPRESSION

ADT (Applied Digital Technology)	352-338-0516
Convergent Media Systems	404-262-1555
Digital Transport Systems	619-675-1410
Digital Video Arts Ltd	215-576-7920
Digital Vision Inc	310-914-5200
DLE Inc	508-947-6801
Feral Industries/James Grunder & Assoc	913-492-4666
<b>Folsom Research</b>	<b>916-983-1500</b>
Genesis Microchip	415-428-4277
IBM	914-642-5886
JVC Information Products	714-816-6500
Keystone Communications	310-845-3706
<b>Kramer Electronics</b>	<b>201-229-1059</b>
<b>Leitch Inc</b>	<b>757-548-2300</b>
Minerva Systems Inc	408-487-2001
MSC Electronics Ltd	905-731-9500
Optivision Inc	415-855-0200
Philips Broadcast Television Systems	805-584-4700
Pioneer New Media Technologies	310-952-2111
Sony Electronics	408-432-1600
Tektronix Video & Network Div	800-547-8949
Thomson Broadcast	201-569-1650
Videotex Systems	972-231-9200
Vistek Electronics Ltd	+44(0)1628 531221
<b>Wegener Communications Inc</b>	<b>770-623-0096</b>

## VIDEO CONVERSION

A J Technology	617-969-0547
Chyron Corp	516-845-2026
Command Corp	813-724-1220
<b>Datatek Corp</b>	<b>908-654-8100</b>
Digipath Video Inc	514-697-0810
Ensemble Designs	916-478-1830
Evertz Microsystems Ltd	905-335-3700
For-A Corp of America	714-894-3311
Gennum Corp	905-632-2996
Image Video	416-438-3940
IRT Electronics Pty Ltd	+61 2 4393744
<b>Leitch Inc</b>	<b>757-548-2300</b>
Link Electronics Inc	573-334-4433
Matthey Electronics	+44-1782-524919
MicroVideo Ltd	+44(0)1223 834119
Microvideo USA Inc	203-393-0598
<b>Miranda Technologies</b>	<b>514-333-1772</b>



**Nova Systems Inc 860-693-0238**

Philips Broadcast Television Systems	805-584-4700
Questech Ltd	+44(0)1734-787209
Ross Video Ltd	613-652-4886
Tekniche Inc	201-784-2288
Tektronix Video & Network Div	800-547-8949
Telect Inc	509-926-6000
Television Equipment - Matthey	914-763-8893
VG V Inc (Video Gainesville)	352-372-0270
<b>Videotek Inc</b>	<b>610-327-2292</b>
Videotex Systems	972-231-9200
Vistek Electronics Ltd	+44(0)1628 531221
Wiltronix Inc	301-258-7676

## VIDEO DISK RECORDERS

Accom Inc	415-328-3818
ADT (Applied Digital Technology)	352-338-0516
Adwar Video	516-349-1800
<b>ASC Audio Video</b>	<b>818-843-7004</b>
Augan Instruments	+31(0)26-3648-966
<b>BTI Computer Systems</b>	<b>408-733-1122</b>
Command Corp	813-724-1220
<b>Digital Processing Systems/DPS</b>	<b>606-371-5533</b>
DLE Inc	508-947-6801
DNF Industries	818-252-0198
Fast Electronic US Inc	415-295-3500
For-A Corp of America	714-894-3311
I-Den Videotronics Inc	+81-3-3447-5220
JVC Information Products	714-816-6500
McCurdy Radio Industries Ltd	416-248-6155
<b>Odetics Broadcast</b>	<b>714-774-2200</b>
Philips Broadcast Television Systems	805-584-4700
Pixel Instruments Corp	408-354-9122
Pluto Technologies Int'l	303-402-9000
QuVis	415-457-3005
Sharp Electronics Corp	201-529-8200
Spencer Technologies	818-840-0907
Tektronix NewStar	608-274-8686
Tektronix Video & Network Div	800-547-8949
Vela Research	813-572-1230
Wiltronix Inc	301-258-7676

## VIDEO EDITING SYSTEMS

Accom Inc	415-328-3818
Adwar Video	516-349-1800
<b>ASC Audio Video</b>	<b>818-843-7004</b>
AVID Technology Inc	508-640-6789
Broadcast Electronic Services	904-646-1630
Chyron Corp	516-845-2026
Cruse Communications Co	517-332-3579
DATAMAX Digital Systems	714-586-9907
<b>Digital Processing Systems/DPS</b>	<b>606-371-5533</b>
Digital Video Arts Ltd	215-576-7920
Discreet Logic	514-272-0525
DLE Inc	508-947-6801
DNF Industries	818-252-0198
<b>Dubner International Inc</b>	<b>201-664-6434</b>

Editing Technologies Corp/ETC	805-584-9442
Evolving Video Technologies	303-456-1450
Fast Electronic US Inc	415-295-3500
FM Systems Inc	714-979-3355
For-A Corp of America	714-894-3311
FutureVideo	714-770-4416
Genesis Microchip	415-428-4277
I-Den Videotronics Inc	+81-3-3447-5220
Imagine Products Inc	317-843-0706
Interactive Images	719-598-3894
JVC Information Products	714-816-6500
MicroNet Technology Inc	714-453-6100
Miro Computer Products	415-855-0940
Philips Broadcast Television Systems	805-584-4700
Pixel Power Ltd	+44(0)1223-423399
Play Incorporated	916-851-0800
Promax Technology	714-727-3977
<b>Quantel Inc</b>	<b>203-656-3100</b>
Softimage	818-365-1359
Sony Electronics	408-432-1600
Sony Electronics	201-930-7834
Spencer Technologies	818-840-0907
Strata Inc	801-628-5218
Sundance Digital Inc	972-444-8442
Tektronix	503-627-7111
Tektronix NewStar	608-274-8686
Tektronix/Lightworks Editing Systems	213-465-2002
TV One Multimedia Solutions	606-282-7303
VAS Group Inc	818-843-4831
Videomedia Inc	408-227-9977
Videotex Systems	972-231-9200

## VIDEO ENCODERS, DECODERS

A J Technology	617-969-0547
Alpha Image Ltd	+44(0)1635 521939
APS Professional Video Products	718-628-6800
Avitel Electronics Ltd	+44(0)181655-3200
Avitel Inc	801-977-9553
Broadcast Video Systems Ltd	905-764-1584
C-COR Electronics Inc	814-238-2461
Comtech Antenna Systems Inc	407-892-6111
J E Cuesta Co Inc	610-935-0400
Digital Vision (DV Sweden AB)	+46 8 182465
DT Electronics Ltd	+44(0)1203-466500
DTL Broadcast Ltd	+44(0)181-813-5200
Elantec Semiconductor Inc	408-945-1323
Ensemble Designs	916-478-1830
Extron Electronics	714-491-1500
FM Systems Inc	714-979-3355
<b>Folsom Research</b>	<b>916-983-1500</b>
For-A Co Ltd	+81-3-3446-3936
For-A Corp of America	714-894-3311
Genesis Microchip	415-428-4277
I-Den Videotronics Inc	+81-3-3447-5220
Inline Inc	310-690-6767
Intelvideo Inc	203-348-9229
J-Lab	310-457-4090
JVC Information Products	714-816-6500
<b>Kramer Electronics</b>	<b>201-229-1059</b>
<b>Leitch Inc</b>	<b>757-548-2300</b>
Link Electronics Inc	573-334-4433
Matthey Electronics	+44-1782-524919
Microtime Inc	860-242-4242
<b>Miranda Technologies</b>	<b>514-333-1772</b>
Norpak Corp	613-592-4164



**Nova Systems Inc 860-693-0238**

Optivision Inc	415-855-0200
PE Photon	408-261-3613
Questech Ltd	+44(0)1734-787209
Ross Video Ltd	613-652-4886
Sigma Electronics Inc	717-569-2681
Snell & Wilcox	+44(0)1730821 188
Sony Business & Professional	201-930-6576
Sony Electronics	408-432-1600
Tekniche Inc	201-784-2288



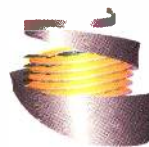


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We are providing scalable system solutions, today and into the 21st century. Contact us now, and see how our video management solutions will help your bottom line.



Since our beginning, we have constantly looked for better ways to manage on-air presentations. With the advent of the digital disk recorder, multichannel systems became feasible. The challenge was to make the solutions seamless, automated, and very cost effective. In 1994 Odetics did just that, and introduced the concept of Hierarchical Video Management (HVM). HVM is a system architecture that combines the archival advantages of tape libraries with the speed and immediacy of digital disk. Today, Odetics Broadcast is recognized around the world as a leading supplier of multichannel on-air presentation solutions.

**Odetics  
Broadcast**

*The Video Management Solutions Company*  
USA (714) 774-2200 EUROPE +44 (0) 118 956-0564  
WWW <http://www.odetics.com/> E-mail [broadcast-](mailto:broadcast@odetics.com)

USA +65 324-0636  
[odetics.com](mailto:odetics.com)

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# Product Directory

Tekniche Ltd	+44(0)1483-728006
Tektronix Video & Network Div	800-547-8949
Telect Inc	509-926-6000
Television Equipment - Matthey	914-763-8893
Textronix/Grass Valley Products	916-478-3000
Utah Scientific	801-575-8801
VAS Group Inc	818-843-4831
VG Vnc (Video Gainesville)	352-372-0270
Video Int'l Development Inc	516-243-5414
Videotex Systems	972-231-9200
Vistek Electronics Ltd	+44(0)1628531221
Vortex Communications	+44(0)1815792743
Wide Range Electronics	314-230-7178
Wiltronix Inc	301-258-7676

## VIDEO MONITORS

Adwar Video	516-349-1800
Avtech Systems Inc	201-833-8777

## BOLAND COMMUNICATIONS

Boland Communications 714-367-9911

Data Check	619-578-0101
GP Enterprises Inc	512-749-7026
Ikegami Electronics (USA) Inc	201-368-9171
JVC Professional Products Co	201-794-3900
Promax Technology	714-727-3977
Sony Electronics	408-432-1600
<b>Videotek Inc</b>	<b>610-327-2292</b>
Videotex Systems	972-231-9200
Vistek Electronics Ltd	+44(0)1628531221
Wiltronix Inc	301-258-7676

## VIDEO MONITORS-PARTS, ACCESSORIES

APS Professional Video Products	718-628-6800
<b>ASACA/ShibaSoku</b>	<b>310-827-7144</b>
Barco Inc	770-218-3200
Braintorm Electronics	213-845-1155
Comtech Antenna Systems Inc	407-892-6111
Dotronix Inc	612-633-3740
Elmo Mfg Corp	516-775-3200
Hoodman Corp	310-379-6391
ict GmbH	+49-7025-1020
Ikegami Electronics (USA) Inc	201-368-9171
Image Video	416-438-3940
James Grunder & Associates Inc	913-492-4666
JVC	+81 426-60-7560
Light Wave Systems	818-780-3002
Marshall Electronics	
Optical Systems	310-390-6608
Microvideo USA Inc	203-393-0598
Mill	610-582-7560
Mitsubishi Imaging Products	908-563-9889
OpTex	+44(0)181-4412199
Panasonic Broadcast & Television	800-524-0864
PESA Switching Systems Inc	205-726-9200
Philips Broadcast Television Systems	+49(0)6155 870-0
Photomart Cine-Video Inc	407-851-2780
Sony Business & Professional	201-930-6576
Sony Electronics	201-930-7834
Sumitomo Electric USA Inc	310-782-0227
Toshiba Corp	+81(0)3 3457 3244
Vicon Industries Inc	516-293-2200
Video Engineering Ltd	+44-171-434-9751
Video Visions Inc/Delcorn	215-765-8811
Viewgraphics	415 963-4900
Virtual Vision Inc	206-882-7878

## VIDEO PROCESSING

A J Technology	617-969-0547
<b>ASACA/ShibaSoku</b>	<b>310-827-7144</b>
Broadcast Video Systems Ltd	905-764-1584
Chyron Corp	516-845-2026
Colorado Video Inc	303-530-9580
<b>Digital Processing Systems/DPS</b>	<b>606-371-5533</b>
Digital Vision Inc	310-914-5200
Ensemble Designs	916-478-1830
Genesis Microchip	415-428-4277
Graseby Optronics	407-282-1408
Image Logic Corp	301-907-8891
Image Video	416-438-3940
Intelvideo Inc	203-348-9229
Intergraph Computer Systems	205-730-2000
<b>Kramer Electronics</b>	<b>201-229-1059</b>
<b>Leader Instruments Corp</b>	<b>516-231-6900</b>
<b>Leitch Inc</b>	<b>757-548-2300</b>
Link Electronics Inc	573-334-4433
MicroVideo Ltd	+44(0)1223 834119
Microvideo USA Inc	203-393-0598
Multidyne Inc	516-671-7278
Norpak Corp	613-592-4164
<b>Nova Systems Inc</b>	<b>860-693-0238</b>
Philips TV Test Equipment	+45 3288 5911
Pixel Instruments Corp	408-354-9122
Ross Video Ltd	613-652-4886
System Video	+44(0)1813 915678
Techni-Tool Inc	610-825-4990
Tekniche Inc	201-784-2288
Tektronix Video & Network Div	800-547-8949
Titus Technological Labs	860-633-5472
VG Broadcast	+44-1444-413443
Video International Development Corp	516-243-5414
<b>Videotek Inc</b>	<b>610-327-2292</b>
Videotex Systems	972-231-9200
Wiltronix Inc	301-258-7676

## VIDEO SERVERS

ADT (Applied Digital Technology)	352-338-0516
AF Associates Inc	201-750-3000
APS Professional Video Products	718-628-6800
<b>ASC Audio Video</b>	<b>818-843-7004</b>
AVID Technology Inc	508-640-6789
Channellmatic Inc	619-445-2691
Command Corp	813-724-1220
DT Electronics Ltd	+44(0)1203-466500
D-Vision Systems Inc	773-714-1400
<b>Communications Div</b>	<b>408-553-9999</b>
IBM	914-642-5886
Intergraph Computer Systems	205-730-2000
McCurdy Radio Industries Ltd	416-248-6155
MicroNet Technology Inc	714-453-6100
Micropolis Corp	818-709-3300
<b>Odetics Broadcast</b>	<b>714-774-2200</b>
Philips Broadcast Television Systems	+49(0)6155 870-0
Pioneer New Media Technologies	310-952-2111
<b>Quantel Inc</b>	<b>203-656-3100</b>
<b>Sierra Design Labs</b>	<b>702-831-7837</b>
Sony Business & Professional	201-930-6576
Sony Electronics	408-432-1600
Spencer Technologies	818-844-0907
Stone - Wire	617-441-8780
Storage Concepts Inc	714-852-8511
Sun Microsystems	
Interactive Services	415-969-1300
Tektronix NewStar	608-274-8686
Tektronix Video & Network Div	800-547-8949
Thomson Broadcast	201-569-1650
Wiltronix Inc	301-258-7676

## VIDEO WALL SYSTEMS

Display Engineering	604-473-9065
Command Corp	813-724-1220
Microsonic Systems Inc	612-931-7500
Genesis Microchip	415-428-4277
North America	407-577-8100
Video International Development Corp	+81-3-3447-5220
IBM Spectrum	510-814-7000

## VIRTUAL SETS

Accom Inc	415-328-3818
Chyron Corp	516-845-2026
Command Corp	813-724-1220
Discreet Logic	514-272-0525
Play Incorporated	916-851-0800
Softimage	818-365-1359
<b>Videssence</b>	<b>415-579-7577</b>
Vinten TSM	914-268-0100

## WEATHER SYSTEMS, SERVICES

AccuWeather Inc	814-234-9601
Advanced Designs Corp	812-333-1922
Alden Electronics Inc	508-366-8851
Andrew Corp	708-349-3300
Baron Services Inc	205-881-8811
Colorado Video Inc	303-530-9580
<b>Digital Graphix</b>	<b>201-845-8900</b>
Earth Watch Communications	612-476-9005
Frequency Products Inc	415-364-0600
Imatex Communications Inc	514-875-8680
Kavouras Inc	612-890-0609
Norpak Corp	613-592-4164
Precision Specialties Inc	818-349-9774
Spaceward Graphics Ltd	+44(0)1353 741222
Technosystem SPA	+39(0)6 2280396
Texas Electronics Inc	214-631-2490
Texscan MSI	801-359-0077
Video Data Systems	516-231-4400
Weather Central Inc	608-274-5789
WSI Corp	508-670-5000
Yamashita Engineering Mfg Inc	+81 440462 288883

## WIRELESS CABLE

Advent Communications Ltd	+44(0)1494 774400
Aluma Tower Co Inc	561-567-3423
Antenna Concepts Inc	916-621-2015
Arden Technologies Inc	954-730-0565
AVCOM of Virginia Inc	804-794-2500
Lawrence Behr Associates Inc	919-757-0279
Comband/Microwave Filter Co	315-437-3953
COMMWAVE	717-474-6751
Conifer Corp	319-752-3607
Continental Microwave Ltd	+44-1582-424233
CPI Canada Inc	905-877-0161
Dawn Satellite	810-391-9200
<b>DW Electrochemicals Ltd</b>	<b>905-508-7500</b>
<b>EMCEE Broadcast Products</b>	<b>717-443-9575</b>
ERI - Electronics Research	812-925-6000
Frequency Products Inc	415-364-0600
Gabriel Electronics Inc	207-883-5161
HM Electronics	619-535-6060
ITS Corp	412-941-1500
<b>Jampro Antennas Inc</b>	<b>916-383-1177</b>
LBA Technology	919-757-0279
Meret Optical Communications	310-828-7496
Micro Communications	603-624-4351
Microwave Filter Co Inc	315-437-3953
Microwave Radio Communications	508-250-1110
MSC Electronics Ltd	905-731-9500
News/Sports Microwave Rental (NS)	619-670-0572



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**ORTEL**  
CORPORATION

Ortel Corp	818-281-3636
Pro Power Products	818-558-6222
RF Systems	203-239-3311
Satellite Export & Engineering	517-629-5996
Scala Electronic Corp	541-779-6500
Secore Electronics	605-339-0100
Shively Labs	207-647-3327
Technosystem SPA	+39(0)6 2280396
Thomcast	+33 1 3490-3100
Viewsonics Inc	561-998-9594
VMI (Video Masters Inc)	816-587-0000

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# Broadcast Engineering Info Guide

## ASSOCIATIONS

**Audio Engineering Society (AES)**  
60 E 42 St.  
New York, NY 10165-6437  
Phone: 212-661-8528  
Fax: 212-682-0477  
CompuServe: AES 73277,1205

**Federal Communications Commission (FCC)**  
Office of Engineering Technology  
2000 M St. NW, Suite 480  
Washington, DC 20554  
Phone: 202-418-2470  
Fax: 202-418-1944

**Institute of Electrical & Electronic Engineers (IEEE)**  
Voice of America  
3300 Independence Ave. SW  
Washington, DC 20547  
Phone: 202-619-3771  
Fax: 202-619-3484

**National Association of Broadcasters (NAB)**  
1771 N St. NW  
Washington, DC 20036-2891  
Phone: 202-429-5350  
Fax: 202-429-5343

**National Cable Television Association (NCTA)**  
1724 Massachusetts Ave. NW  
Washington, DC 20036  
Phone: 202-775-3550  
Fax: 202-775-3696

**Radio Television News Directors Association (RTNDA)**  
1000 Connecticut Ave. NW #615  
Washington, DC 20036  
Phone: 202-659-6510  
Fax: 202-223-4007

**Society of Broadcast Engineers (SBE)**  
8445 Keystone Crossing #140  
Indianapolis, IN 46240  
Phone: 317-253-1640  
Fax: 317-253-0418

**Society of Cable Telecommunications Engineers (SCTE)**  
140 Philips Road  
Exton, PA 19341-1318  
Phone: 610-363-6888  
Fax: 610-363-5898

**Society of Motion Picture & Television Engineers (SMPTE)**  
595 W Hartsdale Ave.  
White Plains, NY 10607-1824  
Phone: 914-761-1100  
Fax: 914-761-3115

## CONVENTION CALENDAR

**Feb. 6-9**  
SMPTE Winter Conference  
(New York)  
Phone: 914-761-1100  
Fax: 914-761-3115

**March 16-19**  
NCTA (New Orleans)  
Phone: 202-775-3629  
Fax: 202-775-1028

**March 22-25**  
AES-Europe (Munich)  
Phone: 212-661-8528  
Fax: 212-682-0477

**April 7-10**  
NAB (Las Vegas)  
Phone: 202-429-5336  
Fax: 202-429-5343

**June 4-7**  
SCTE/Cable-Tec (Orlando)  
Phone: 610-363-6888  
Fax: 610-363-5898

**June 12-17**  
20th Montreux International  
TV Symposium (Montreux,  
Switzerland)  
Phone: +41 21 963 3220  
Fax: +41 21 963 8851

**July 10-13**  
ITS Forum (Beverly Hills)  
Phone: 212-629-3266  
Fax: 212-629-3265

**Sept. 12-16**  
IBC '97 (Amsterdam)  
Phone: +44 (0) 171 240 3839  
Fax: +44 (0) 171 497 3633

**September**  
Satellite Communications Expo  
(Washington, DC)  
Phone: 303-220-0600  
Fax: 303-770-0253

**Sept. 26-29**  
AES (New York)  
Phone: 212-661-8528  
Fax: 212-682-0477

**Nov. 21-24**  
SMPTE (New York)  
Phone: 914-761-1100  
Fax: 914-761-3115

## LOOK FOR

### JANUARY:

- Remote broadcasting
- Video compression
- Penny-wise automation
- Preparing for disaster

### FEBRUARY:

- Video servers
- Effects systems
- New camera technology
- Digital in post

### MARCH:

- NAB preview
- Effects crystal ball
- Installing back-up power systems

### APRIL:

- Facility automation & networking
- Audio lighting
- Digital telcom links

### MAY:

- Video recorders
- Facility showcase
- Still-store technology
- Selecting an audio console

### JUNE:

- NAB in review

### JULY:

- New transmitter technology
- Internets
- Digital layering in post
- MDS/LMDS

### AUGUST:

- Videodisk recorders
- Routing & mixing digital audio
- Where does analog make sense?
- Titling systems

### SEPTEMBER:

- Digital audio update
- Installing grounding systems
- Networking digital islands

### OCTOBER:

- Editing systems
- 4:2:2 or 4:1:1. Who cares?
- Production suite technology
- HDTV update
- Salary survey

### NOVEMBER:

- Test equipment for digital systems
- Maintaining satellite equipment
- Software engineering in facilities
- Budgeting for ATV

### DECEMBER:

- Future watch
- Industry's top 50 engineers
- Fiber in production suites
- Facility routing systems.



# Manufacturers Address Directory

**A**

Aarmor Case Co  
2100 Lapo Road  
Lake Odessa MI 48849  
Tel: 616-374-5431; 800-722-5763  
Fax: 616-374-8686

**AAVS**

Advanced Audio Visual Systems

**AAVS/Sencore**  
3200 Sencore Dr  
Sioux Falls SD 57107  
Tel: 605-339-0100; 800-769-2287  
Fax: 605-335-6379

**AAVS**  
222-226 rue de Rosny  
F-93100 Montreuil France  
Tel: +33 1 4988-3434  
Fax: +33 1 4857 3358

ABC Audio Broadcast Group Inc  
2342 S Division Ave  
Grand Rapids MI 49507  
Tel: 616-452-1596; 800-999-9281  
Fax: 616-452-1652  
E-Mail: support@abg.com  
Web: http://www.abg.com

ABC Digital/Australian Broadcast  
ABC Ultimo Ctr/700 Harris St #2007  
Sydney Australia  
Tel: +61 2 333 2209  
Fax: +61 2 333 1413

Abit Ltd  
Belgravia Workshops 159 Marlborough  
#103  
London N19 4NF England  
Tel: +44 171 281 3815  
Fax: +44 171 561 9622  
E-Mail: bakerp@abit.co.uk

Acces I/O Products  
9400 Activity Rd  
San Diego CA 92126  
Tel: 619-693-9005; 800-326-1649  
Fax: 619-578-9711

Ac-cetera Inc  
3120 Banksville Rd  
Pittsburgh PA 15216  
Tel: 412-344-8609; 800-537-3491  
Fax: 412-344-0818  
E-Mail: aaps@pgh.nauticom.net

Accom Inc  
1490 O'Brien Dr  
Menlo Park CA 94025  
Tel: 415-328-3818  
Fax: 415-327-2511  
E-Mail: info@accom.com  
Web: http://www.accom.com

Accurate Sound Corp  
3475-A Edison Way  
Menlo Park CA 94025  
Tel: 415-365-2843  
Fax: 415-365-3057

AccuWeather Inc  
619 W College Ave  
State College PA 16801  
Tel: 814-234-9601; 800-566-6606  
Fax: 814-231-0453  
E-Mail: intermail@accuwx.com  
Web: http://www.accuweather.com

ACE  
31 rue de Verdun  
F-78800 Houilles France  
Tel: +33 1 3957 3010  
Fax: +33 1 3957 5299

Acoustech  
306 Maple Ridge #2  
Ann Arbor MI 48103  
Tel: 313-663-7013  
Fax: 313-663-7013

Acoustic Sciences Corp  
855 W 1st Ave  
Eugene OR 97402  
Tel: 541-343-9727; 800-ASC-TUBE  
Fax: 541-343-9245

Acoustic Systems  
415 E St Elmo St/PO Box 3610  
Austin TX 78764  
Tel: 512-444-1961; 800-749-1460  
Fax: 512-444-2282

Acoustical Solutions  
3603 Mayland Court  
Richmond VA 23233  
Tel: 804-346-8350; 800-782-5742  
Fax: 804-346-8808  
E-Mail: acoustic@richmond.infi.net  
Web: http://www.acousticalsolutions.com

Acrodyne Industries Inc  
516 Township Line Road  
Blue Bell PA 19422  
Tel: 215-542-7000; 800-523-2596  
Fax: 215-540-5837

Adams-Smith  
34 Tower St  
Hudson MA 01749  
Tel: 508-562-3801  
Fax: 508-568-0404

ADC Telecommunications Inc  
4900 W 78th St  
Minneapolis MN 55435  
Tel: 612-938-8080; 800-366-3891  
Fax: 612-946-3292  
Web: http://www.adc.com

ADCOM Electronics  
310 Judson St #6  
Toronto ON M8Z 5T6 Canada  
Tel: 416-251-2748  
Fax: 416-251-3977

ADM Systems  
PO Box 250334  
W Bloomfield MI 48325  
Tel: 810-524-2100  
Fax: 810-932-1991

Adobe After Effects  
411 First Ave S  
Seattle WA 98104  
Tel: 206-470-7000  
Fax: 206-470-7125

Adobe Systems  
345 Park Ave MS @ 18  
San Jose CA 95110-2704  
Tel: 408-536-6000  
Fax: 408-537-4004

Adrienne Electronics Corp  
7225 Bermuda Rd Ste G  
Las Vegas NV 89119  
Tel: 702-896-1858  
Fax: 702-896-3034

ADT (Applied Digital Technology)  
3622 NE 4th St  
Gainesville FL 32609  
Tel: 352-338-0516  
Fax: 352-338-1108  
E-Mail: applieddigital@worldnet.att.net

Advance Products  
PO Box 2178  
Wichita KS 67201  
Tel: 316-263-4231  
Fax: 316-263-4245

**Advanced Broadcast Systems**  
5825 Bullittsville Rd  
Burlington KY 41005-0142  
Tel: 606-689-0075  
Fax: 606-689-0073  
E-Mail: jbruffy@newwave.net

Advanced Broadcast Svcs  
Victor Duncan  
6305 N O'Connor #100  
Irving TX 75039-3510  
Tel: 972-869-0200  
Fax: 972-869-2832  
E-Mail: bf@vduncan.com  
Web: http://www.vduncan.com

Advanced Designs Corp  
1169 W 2nd St  
Bloomington IN 47403  
Tel: 812-333-1922  
Fax: 812-333-2030  
E-Mail: adc@doprad.com  
Web: http://www.doprad.com

Advanced Digital Imaging  
1250 N Lakeview #0  
Ahaheim CA 92807  
Tel: 714-779-7772  
Fax: 714-779-7773

Advanced Marketing  
PO Box 97  
Redwood City CA 94064  
Tel: 415-365-3944  
Fax: 415-365-1630

Advent Communications Ltd  
Nashleigh Hill  
Chesham, Bucks HP5 3HE England  
Tel: +44(0)1494 774400  
Fax: +44(0)1494 791127

Adwar Video  
303 Sunnyside Blvd  
Plainview NY 11803  
Tel: 516-349-1800  
Fax: 516-349-1833

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Fax: +34 1 686-4492

Aerial Films Inc  
35 Airport Rd  
Morristown NJ 07960  
Tel: 201-984-6680; 800-543-8947  
Fax: 201-984-6899

AEV SRL via Saviolo I/E  
Le Budrie di S Giovanni in Persiceto  
I-40017 Bologna Italy  
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Fax: +39 51 950201  
E-Mail: aevsales@aev.denct.it  
Web: http://www.afaair.cou/aev/

AF Associates Inc  
100 Stonehurst Court  
Northvale NJ 07647  
Tel: 201-750-3000  
Fax: 201-784-8637  
E-Mail: sales@afassoc.com

Agfa Corp  
100 Challenger Road  
Ridgefield Park NJ 07660  
Tel: 201-440-2500  
Fax: 201-440-2854

AHL Communications  
2300 Meyer Rd  
Ft Wayne IN  
Tel: 219-426-6551; 800-426-6551  
Fax: 219-426-0427

AIRcorp  
PO Box 2509  
Coppell TX 75019  
Tel: 972-304-0455  
Fax: 972-304-0550

A J Technology  
265 Otis Street  
West Newton MA 02465  
Tel: 617-969-3547  
Fax: 617-969-3889  
E-Mail: ajtech@ajtechnology.com  
Web: ajtechnology.com

AJA Video  
200 Litton Dr # 310  
Grass Valley CA 35945  
Tel: 916-274-2048; 800-251-4224  
Fax: 916-274-9442

Akai Digital  
PO Box 2344 (1316 E Lancaster)  
Fort Worth TX 76102-2344  
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Fax: 817-870-1271

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A-1230 Wien Austria  
Tel: +43 1 866 54 0  
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AKG Acoustics/Harman Pro North  
America  
1449 Donelson Pike Ste 12  
Nashville TN 37217  
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Fax: 408-370-4861  
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Friesenbergstrasse 75  
CH-8055 Zurich Switzerland  
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Fax: 703-455-4240

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Fax: 716-436-3942  
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[artroch@compuserve.com](mailto:artroch@compuserve.com)  
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Ft Lauderdale FL 33309  
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Glendale NY 11385  
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Web: <http://www.avnet.org/av>

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Fax: 914-425-1250

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Fax: 508-562-1490

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Fax: 815-224-2701

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328 W Maple Ave  
Horsham PA 19044  
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Fax: 215-443-0394  
E-Mail: [les@atiguys.com](mailto:les@atiguys.com)  
Web: <http://www.atiguys.com>

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Fax: 201-767-0781

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1859 Intertech Drive  
Fenton MO 63026  
Tel: 314-349-3110; 800-876-7337  
Fax: 314-349-1251

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1845 W Hovey Ave  
Normal IL 61761  
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Fax: 309-452-0893

Audio Accessories Inc  
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Marlow NH 03456  
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Web: http://www.patchbays.com

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Unit 3 Horsehoe Park  
Pangbourne Berks RG8 7JW England  
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Fax: +44(0)1734-842604  
E-Mail: sales@adr.tcom.co.uk

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Hall Lane Walsall Wood  
Walsall, W Midland WS9 9AU England  
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Fax: +44(0)1543-361051  
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Web: http://www.audio.co.uk

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Fax: 503-641-8906

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1221 Commerce Drive  
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Fax: 216-686-0719

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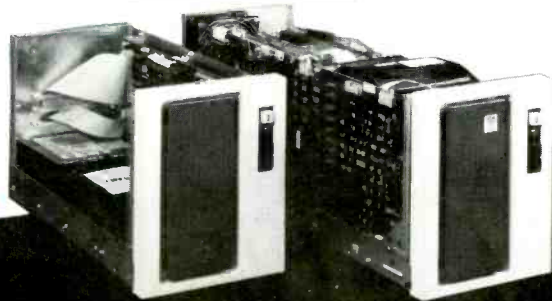
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**AVP Manufacturing & Supply Inc**  
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**AVR Communications Ltd**  
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**AVS Broadcast**  
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**Barco Inc**  
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**B&B Systems Inc**  
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**Belar Electronics Lab Inc**  
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**Tom Bohn**  
VE, Engineering and Production Operations  
Maryland Public Television  
*On The Set Of Wall Street Week with Louis Rukeyser*

## Hitachi Digital Cameras Help Maryland Public Television "Stay Ahead Of The Curve."

Tom Bohn feels the change from 4:3 analog to 16:9 digital technology "will be a revolution every bit as big as black-and-white to color. And since we don't know what the standards will ultimately be, we must start to future-proof now."

As he invests in new technology, Bohn looks for upgradeability on each piece of equipment. That's one reason he purchases eight Hitachi digital cameras. The SK-2000 Series has four built-in upgrade paths, from the single LSI processor, and A/D converter, to the newest CCD block technology.

"As the fourth largest producer of PBS shows, MPT creates programs with very long shelf lives—which makes 16:9 digital capability crucial. So we needed a camera that was digital from the head all the way through the CCU. I personally visited all the factories and trade shows, and I found Hitachi to be two years ahead of the competition.

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Fax: 315-437-8119  
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Web: http://www.benchmarkmedia.com/

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Best Power Unit of General Signal  
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Web: http://www.bhphotovideo.com

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129 W 22 St Ste 6A  
New York NY 10011  
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Fax: 212-647-9596  
Web: http://www.walrus.com/biomorph

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Fax: 216-248-5426

Birns & Sawyer Inc  
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E-Mail: info@birnsandsawyer.com  
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Black Audio Devices  
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The Blue Ribbon Soundworks  
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Bogen Photo Corp  
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Fax: 301-230-6526

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W Hollywood CA 90038  
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Bretford Mfg Inc  
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Broadcast Automation Inc  
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Fax: 972-487-5810

Broadcast Cartridge Service  
15581 Chemical Lane  
Huntington Beach CA 92649  
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Fax: 714-898-1753

Broadcast Communications  
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Broadcast Devices  
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Broadcast Electronics Inc  
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Broadcast Equipment Sales & Eng  
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California Tube Lab Inc  
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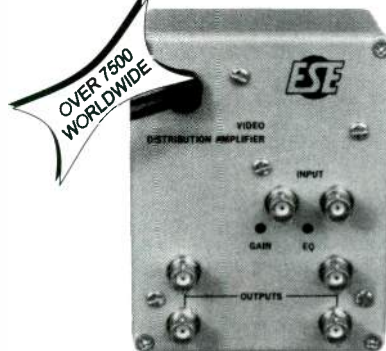
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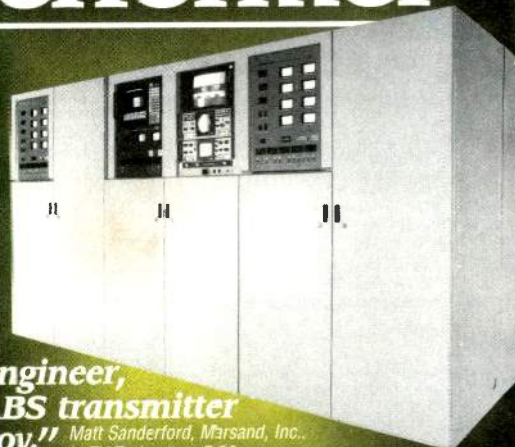


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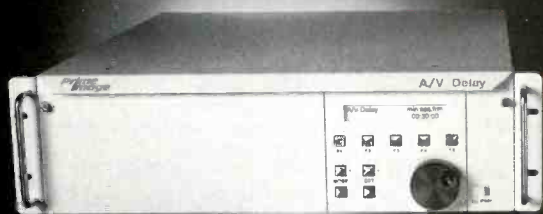
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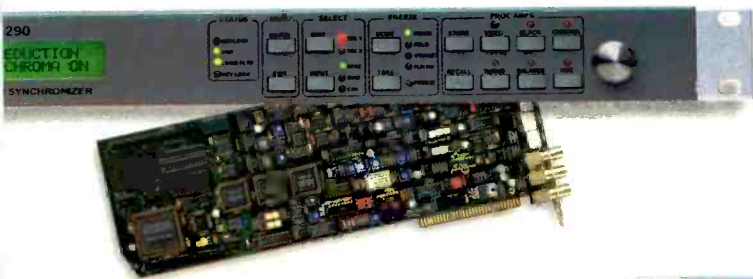


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E-Mail: furmansnd@aol.com  
Web: http://www.furmansound.com

Future Case  
59 Fountain St  
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Tel: 508-626-2277; 800-235-0411  
Fax: 508-626-2175

Futuretel  
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FutureVideo  
28 Argonaut #140  
Aliso Viejo CA 92656  
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Fax: 714-770-4667  
E-Mail: info@futurevideo.com  
Web: http://www.futurevideo.com/

FWT  
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Fort Worth TX 76124-0597  
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G Prime Ltd  
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Fax: 207-883-4469

Garner Industries  
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Lincoln NE 68504  
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Fax: 402-434-9133  
E-Mail: 73451.416@compuserve.com

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Tel: 213-875-1900  
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GC Thorsen Inc  
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Fax: 815-968-9731

GE American Communications  
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E-Mail: ginfo@gefen.com  
Web: http://www.gefen.com

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Miami FL 33137  
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Gene Michael Productions  
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Tel: 616-695-4005  
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General Instrument/ GI Comm  
2200 Byberry Road  
Hatboro PA 19040  
Tel: 215-674-4800  
Fax: 215-956-6497  
E-Mail: http://www.gi.com

General Microwave Services Inc  
4141 Avenida de la Plata  
Oceanside CA 92056-6002  
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Fax: 760-631-8031

Genesis Microchip  
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E-Mail: rob@genesis-microchip.on.ca  
Web: http://www.genesisus.com

Geneva Aviation  
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Everett WA 98204  
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E-Mail: genevaavi@aol.com

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Burlington ON L7R 3Y3 Canada  
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GP Enterprises Inc  
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Graseby Optronics  
12151 Research Pkwy  
Orlando FL 32826-3207  
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Fax: 407-273-9046

Gray Engineering Labs Inc  
504 W Chapman Ave Ste P  
Orange CA 92668  
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Gray Supply Co  
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E-Mail: topbulb@aol.com

Green Dot Audio  
PO Box 290609, Nashville TN 37229  
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Lynn Greenberg Electronic Teleprompting  
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Griffiths Broadcast Co  
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Group One Ltd  
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Hall Electronics  
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Halland Broadcast Services  
1289 E Alosta Ave  
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Henninger Richmond  
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Web: http://www.henninger.com

Henry Engineering  
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Sierra Madra CA 91024  
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Web: http://www.henryeng.com

Hercules Computer Technology  
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Fremont CA 94538  
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Fax: 510-623-1112  
E-Mail: sales@hercules.com  
Web: http://www.hercules.com

Herman Electronics  
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Miami FL 33122  
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Fax: 305-398-4377  
Web: http://www.gateintl.com/  
hermanelec.com

Hero Productions  
7291 NW 74th St  
Medley FL 33166  
Tel: 305-887-1600  
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HES Electronics  
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**Hewlett-Packard Video Communications**  
Div  
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Santa Clara CA 95052-8059  
Tel: 408-553-3999; 800-FOR-HPTV  
Fax: 408-553-3001  
E-Mail: forhptv@vid.hp.com  
Web: http://www.tmo.hp.com

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E 24001 Mission  
Liberty Lake WA 99019  
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HHB Communications Ltd  
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IHS Communications Products  
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Englewood CO 80112  
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Fax: 800-486-1700  
E-Mail: comm\_sales@ihs.com  
Web: [www.ihscommunications.com](http://www.ihscommunications.com)

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E-Mail: internet 74260,3430 @  
compuserve.com

Image Design Film Technologies  
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Image Devices Int'l  
1825 NE 149th St  
Miami FL 33181  
Tel: 305-945-1117  
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Image Ideas Inc  
105 West Beaver Creek Rd, suite #3  
Richmond Hill ON L4B 1C6  
Richmond Hill L4B 1C6 Canada  
Tel: 905-709-1600; 888-238-1600  
Fax: 905-790-1625  
E-Mail: info@image-ideas.com

Image Labs  
PO Box 158  
Pearl River NY 10965-9998  
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Image Logic Corp  
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Chevy Chase MD 20815  
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Fax: 301-652-6584

Image Technical Services  
4545 36th St  
Orlando FL 32811  
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Fax: 407-843-5876  
E-Mail: its-mktg@imageits.com  
Web: <http://www.imageits.com/>

Image Video  
705 Progress Ave #46  
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Web: <http://www.imagevideo.com>

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Imagica Corp  
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Los Angeles CA 90066  
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Imagine Products Inc  
12220 N Meridian St #130  
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Industrial Acoustics Co  
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optics.com

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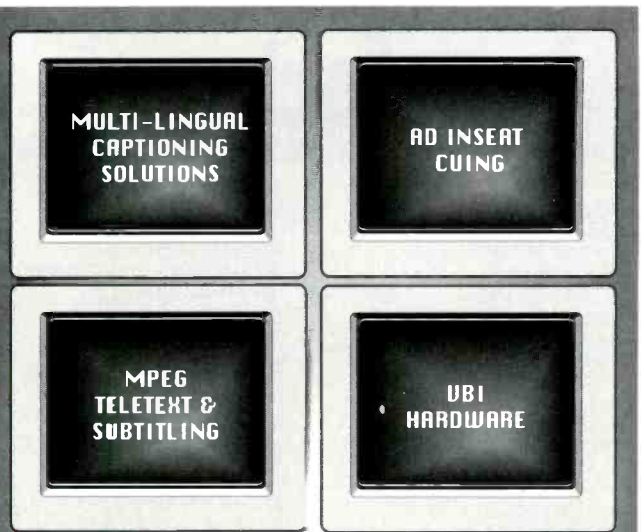
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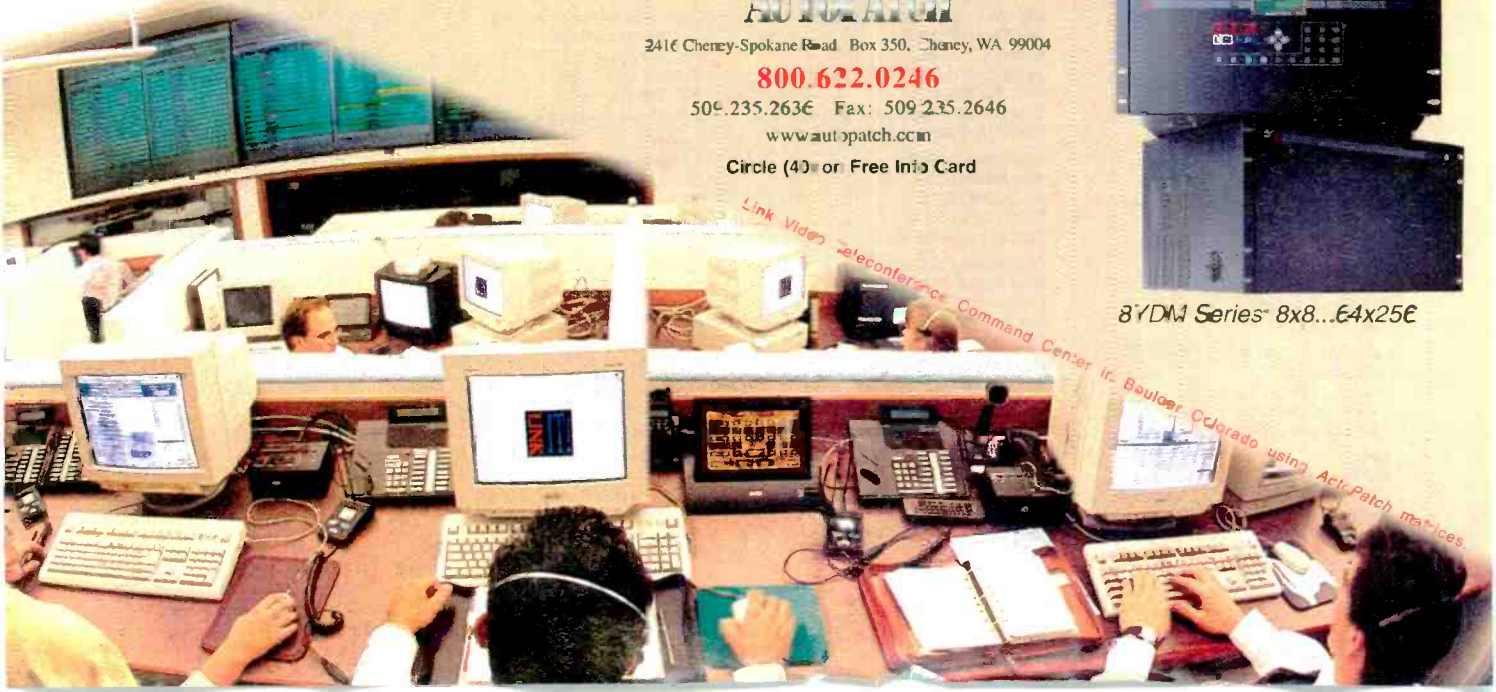
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28145 Ave Crocker  
Valencia CA 91355  
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Fax: 805-257-6197

Lightning Deterrent Corp  
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Wilmington IL 60481  
Tel: 773-434-7912; 800-776-7150  
Fax: 815-458-3057

Lightning Eliminators & Consultants Inc  
6687 Arapahoe Rd  
Boulder CO 80303  
Tel: 303-447-2828  
Fax: 303-447-8122  
E-Mail: 103146.1772@compuserve.com  
Web: www.lightningeliminators.com

Lightning Master Corp  
1920 Sherwood St  
Clearwater FL 34625  
Tel: 813-447-6800; 800-749-6800  
Fax: 813-461-3177

Lightning Prevention Systems  
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Lighttech Group Inc  
161-15 Rockaway Blvd  
Jamaica NY 11434  
Tel: 718-525-2900  
Fax: 718-525-2488

Lightware Inc  
1329 W Byers Pl  
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Tel: 303-744-0202  
Fax: 303-722-4545

Lightwave Communications Inc  
261 Pepes Farm Rd  
Milford CT 06460  
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Fax: 203-874-0157  
E-Mail: sales@lightwavecom.com  
Web: http://www.lightwavecom.com

Lightwave Systems  
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Lightworks Editing Systems Ltd  
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Fax: 704-324-5474

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Fax: 910-777-8304

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lpbsales@lpbinc.com  
Web: www.lpbinc.com

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Magic Teleprompting Inc  
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Web: <http://www.marti.bdcast.com>

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Fax: 201-796-8790  
Web: <http://www.maxell.com>

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Silver Spring MD 20901  
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Fax: 301-565-0138

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Spring House PA 19477  
Tel: 215-643-4500

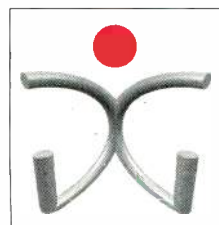
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Portland OR 97207  
Tel: 503-246-8080  
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Toronto ON M9W 5A2 Canada  
Tel: 416-248-6155; 800-276-8800  
Fax: 416-248-6755  
E-Mail: sales@mcradio.com  
Web: http://www.mcradio.com

MCG Electronics Inc  
12 Burt Dr  
Deer Park NY 11729  
Tel: 516-586-5125; 800-851-1508  
Fax: 516-586-5120  
E-Mail: mcginfo@specdata.com  
Web: http://www.mcgsurge.com/index.html

MCL Inc  
501 S Woodcreek Road  
Bolingbrook IL 60440-4999  
Tel: 630-759-9500  
Fax: 630-759-5018  
E-Mail: compuserve: 74166,2571

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San Bernardino CA 92410-2751  
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Media Computing Inc  
20823 N 19th Ave Ste 6  
Phoenix AZ 85027  
Tel: 602-582-2600  
Fax: 602-582-2235

Media Concepts  
2128 N Yellowwood Ave  
Broken Arrow OK 74012  
Tel: 918-252-3600  
Fax: 918-250-1155

Media Touch Systems Inc  
15 Ermer Rd  
Salem NY 03079  
Tel: 603-893-5104  
Fax: 603-893-6390

MegaDrive Systems Inc.  
9201 Oakdale Ave.  
Chatsworth CA 91311  
Tel: 310-247-0006; 800-664-MEGA  
Fax: 310-247-8118  
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Web: www.megadrive.com

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Meirick inc  
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E-Mail: memex@mindlink.bc.ca

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80 Technology  
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MicroVideo Ltd  
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Microvideo USA Inc  
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6743 Kinne St  
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Microwave Networks Inc  
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Microwave Radio Communications  
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Web: http://www.cm-mrc.com

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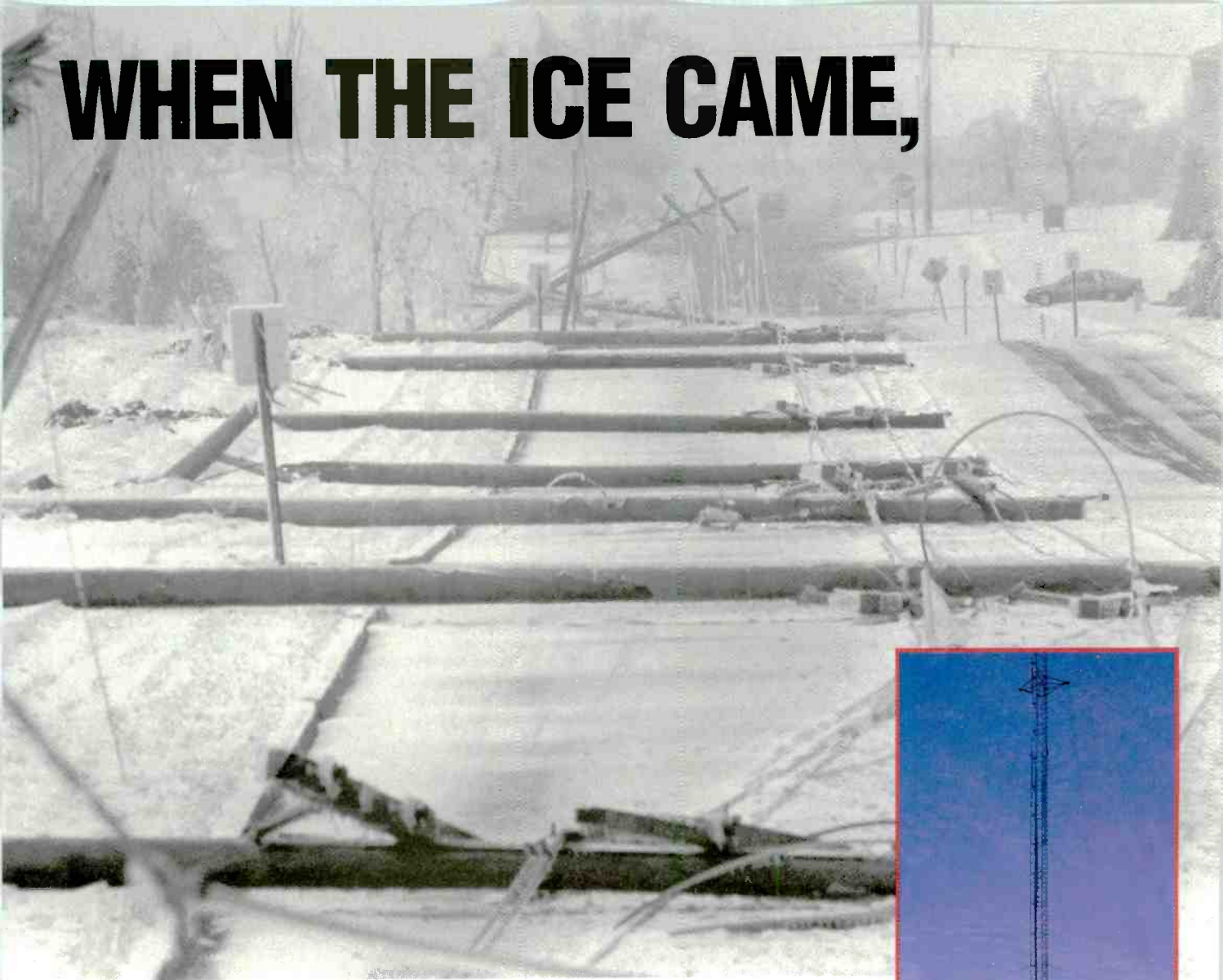
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MMS GmbH  
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D-30165 Hannover Germany  
Tel: +49 511 630077  
Fax: +49 511 630070

Mobile-Cam Products  
340-F Vernon Way  
El Cajon CA 92020  
Tel: 619-441-1295  
Fax: 619-441-9263

Mobile Media  
36 Summit St  
Park Ridge NJ 07656  
Tel: 201-391-0111  
Fax: 201-391-5121

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Fax: 908-302-0206

Mohawk/CDT  
9 Mohawk Dr  
Leominster MA 01453  
Tel: 508-537-9961; 800-422-9961  
Fax: 508-537-4358

Mole-Richardson Co  
937 N Sycamore Ave  
Hollywood CA 90038-2384  
Tel: 213-851-0111  
Fax: 213-851-5593  
E-Mail: info@mole.com;  
info@depot.com

Keith Monks Sound Systems  
The Red House, Daglands Rd  
Fowey, Cornwall PL23 1JN England  
Tel: +44-1726-83-3183  
Fax: +44-1726-83-3800

Monroe Electronics Inc  
100 House Ave  
Lyndonville NY 14098  
Tel: 716-765-2254; 800-821-6001  
Fax: 716-765-9330

Montage Group Ltd  
4116 W Magnolia Blvd #103  
Burbank CA 91505  
Tel: 818-955-8801  
Fax: 818-955-8808

Moseley Associates Inc  
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Fax: 805-685-9638

Motorola Land Mobile Products  
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Fax: 708-576-2702

Motorola Semiconductor Products  
Sector  
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Phoenix AZ 85018-6606  
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Web: www.msc.ca

MSE Video Tape Services  
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Fax: 213-921-1506

Mu-Del Electronics Inc  
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Fax: 703-709-9496

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Fax: 407-339-0204

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Fax: 516-671-3362

Multimedia Accessories Ltd  
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Costa Mesa CA 92626  
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Fax: 714-557-5838  
E-Mail: info@multimedia-accessories.com  
Web: http://www.multimedia-accessories.com

MultiVideo Image Display Co  
22126 Del Valle St  
Woodland Hills CA 91364  
Tel: 818-347-3505  
Fax: 818-347-3579

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Holmdel NJ 07733  
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Web: http://www.musicamusa.com

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CH-1033 Cheseaux Switzerland  
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Web: http://www.nagra.com

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Tel: 970-949-0100

Nautel Maine Inc  
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NEC America Inc, Broadcast Equip.  
Dept.  
1621 West Crosby, Suite 116  
Carrollton TX 75006  
Tel: 972-751-7246  
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Web: http://www.nec.com/products/ccd/

L E Nelson Sales Corp  
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Web: http://www.nemal.com

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Web: http://www.nesbit.com/nesbit/

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Teaneck NJ 07666-3698  
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Minneapolis MN 55343  
Tel: 612-939-9845; 800-638-9355  
Fax: 612-939-9836  
Web: http://www.weballiance.net/wa/netwell/

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E-Mail: http://tnc.www.com

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Fax: 216-562-1999  
E-Mail: nettech@ibm.net

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Georg Neumann GmbH  
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Fax: +49(0)30 4177240-50  
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Fax: 860-434-3148  
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Web: http://www.neumannusa.com

Neutrik AG  
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Tel: +41-75-237-2424  
Fax: +41-75-232-5393  
E-Mail: neutrik@ping.li

Neutrik Instrumentation Inc  
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Web: http://www.norsat.com

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Northern Magnetics Inc  
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Maple Plain MN 55359-9572  
Tel: 612-446-1124  
Fax: 612-446-1387

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Fax: 509-927-0435

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Wayzata MN 55391  
Tel: 612-476-7356; 800-325-2853  
Fax: 612-476-7316



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Fax: 315-524-4249

NuMedia Corp  
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Fax: 703-684-9393

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nVIEW Corp  
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NXT Generation  
249 Kennedy Road Box 121  
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E-Mail: sales@nssystems.com

NTL  
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Fax: +44(0)1962 822378

NTP Elektronik A/S  
Knapholm 7  
DK-2730 Herlev Denmark  
Tel: +45 4453 1188  
Fax: +45 4453 1170  
E-Mail: ntp@post3.tele.dk

NTSC Productions  
3208 Cahuenga Blvd W #333  
Hollywood CA 90068  
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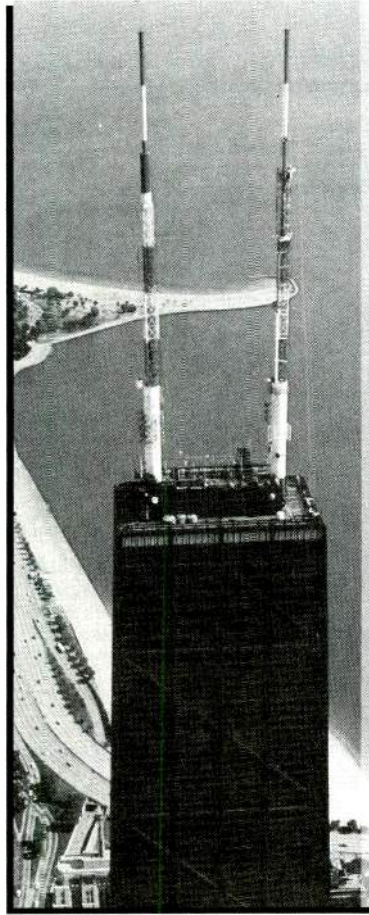
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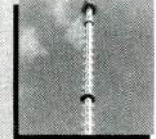
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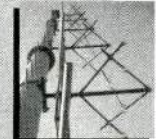
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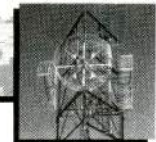
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Richmond VA 23229  
Tel: 804-740-4717  
Fax: 804-740-4717

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21818 Lassen St #H  
Chatsworth CA 91311  
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Fax: 818-700-0313  
E-Mail: compuserve 102162,1643

OmniSound Corp  
2413 Fifth Ave  
San Rafael CA 94901-1005  
Tel: 415-457-8114  
Fax: 415-457-6250

Omnitronix Inc  
113 Dickerson Road  
North Wales PA 19454  
Tel: 215-699-2400  
Fax: 215-699-2323

On-Line Power  
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Commerce CA 90040  
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Fax: 213-721-3929

**Opamp Labs Inc**  
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Los Angeles CA 90038  
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E-Mail: bel@opamplabs.com  
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N London EN4 9PF England  
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Fax: +44(0)181-4493646  
E-Mail: info@optextint.com

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E-Mail: http://www.optibase.com

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Fax: 954-946-6030

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Fax: 408-376-3519

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OptImage  
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Fax: 515-225-0252

Options International  
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Orad Hi Tec Systems  
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43106 Israel

Orban  
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Fax: 510-351-0500  
E-Mail: custserv@orban.com

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351 S Peterson St  
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Alhambra CA 91803  
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Westlake Village, CA 91361  
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Danvers MA 01923  
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Fax: 508-750-2152

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Foster City CA 94404  
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Fax: 415-341-7200

Outland Technology Inc  
1808-B Faith Place  
Gretna LA 70056  
Tel: 504-367-0104  
Fax: 504-367-6754  
E-Mail: 74030.2532@compuserve.com



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NL-5657 EH Eindhoven The Netherlands  
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Fax: +31(0)40-570482  
E-Mail: sales@eela.nl  
Web: http://www.eela.nl

PACE Inc  
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Laurel MD 20723  
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Fax: 301-498-3252

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Tel: 408-370-3505  
Fax: 408-370-3508

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2070 Las Palmas Drive  
Carlsbad CA 92009  
Tel: 760-438-3911  
Fax: 760-438-9277  
E-Mail: sales@pre.com

Packaged Lighting Systems Inc  
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Walden NY 12586  
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Fax: 914-778-1286

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Raynes Park London SW20 8SA  
England  
Tel: +44-181-543-3131  
Fax: +44-181-540-4116

PAG USA  
2755 Alamo St #103  
Simi Valley CA 93065  
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Fax: 805-520-7342  
E-Mail: PAGUSA@aol.com

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Fax: 203-622-9163  
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Panasonic Broadcast & Television Systems Co  
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Panasonic Pro Audio/Ramsa  
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Fax: 714-373-7903

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8493 Baymeadows Way  
Jacksonville FL 32256  
Tel: 904-737-1367  
Fax: 904-731-0958  
E-Mail: parker@southeast.net  
Web: http://www.parkervision.com

Parsons Mfg Corp  
1055 O'Brien Dr  
Menlo Park CA 94025  
Tel: 415-324-4726  
Fax: 415-324-3051

PE Photron  
4030 Moorpark Ave #108  
San Jose CA 95117-1848  
Tel: 408-261-3613  
Fax: 408-261-3628  
E-Mail: sgross@photron.com  
Web: http://www.photron.com

Pearson Television Broadcasting  
1 Stephen St  
London W1P 1PJ England  
Tel: +44 171 631 0844  
Fax: +44 171 631 0877

Peavy Electronics  
Box 2898  
Meridian, MS 39302  
Tel: 601-486-5372  
Fax: 601-486-1278

Peerless Industries Inc  
1980 Hawthorne Ave  
Melrose Park IL 60160  
Tel: 708-865-8870; 800-729-0307  
Fax: 708-865-2941

Penn Fabrication Inc  
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Moorpark CA 93021  
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2716 Ocean Park Blvd #1005  
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520 Mercury Dr  
Sunnyvale CA 94086-4018  
Tel: 408-730-0300; 800-PENSTOCK  
Fax: 408-730-4782

Penstock Northwest  
10800 NE 8th St #805  
Bellvue WA 98004  
Tel: 206-454-2371; 800-736-7862  
Fax: 206-454-1648

Penta Labs  
21113-BE Superior St  
Chatsworth CA 91311  
Tel: 818-882-3872; 800-421-4219  
Fax: 818-882-3068

PEP Inc  
25 W 54th St  
New York NY 10019  
Tel: 212-246-2490  
Fax: 212-765-5988

Periphex Inc  
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Oxford CT 06478  
Tel: 203-264-3985  
Fax: 203-262-6943

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Tel: 205-726-9200; 800-328-1008  
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E-Mail: salesinfo@pesa.com  
Web: http://www.pesa.com

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550 California Rd #11  
Quakertown PA 18951  
Tel: 215-536-6648  
Fax: 215-536-7180

Philips Broadband Networks Inc  
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Manlius NY 13104  
Tel: 315-682-9105; 800-448-5171  
Fax: 315-682-9006

Philips Broadcast Television Systems  
PO Box 30816  
Salt Lake City UT 84130-0816  
Tel: 801-972-8000; 800-962-4BTS  
Fax: 801-972-0837

Philips Broadcast Television Systems  
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D-64347 Griesheim Germany  
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Fax: +49(0)6155 870359  
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Philips Broadcast Television Systems  
93 W Cochran St  
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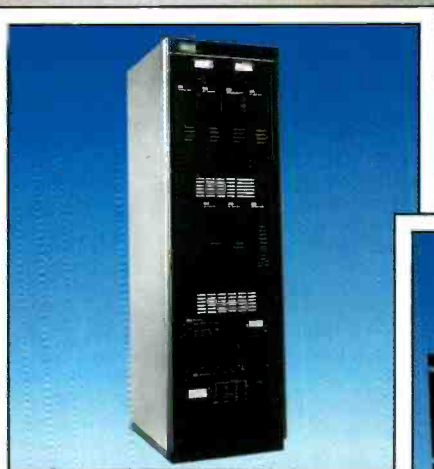
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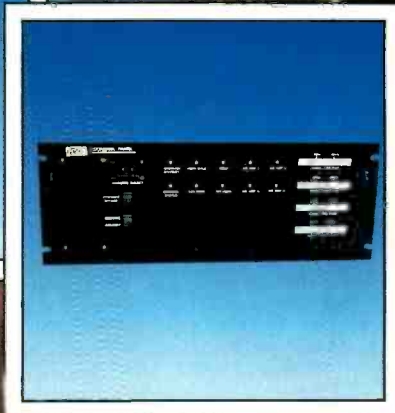


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Tel: 401-762-3800  
Fax: 401-767-4407  
Web: <http://www.plumbicon.com/philps>

Philips Lighting  
200 Franklin Square Drive  
Somerset NJ 08875  
Tel: 908-563-3000  
Fax: 908-563-3641

Philips TV Test Equipment  
Kornmarksvej 21  
DK-2605 Brondbj Denmark  
Tel: +45 3288 5911  
Fax: +45 4343 2390  
E-Mail: Steen Feldskov, 00621.2561  
@compuserve.com; Hanneke Spijkers,  
00644.3576 @compuserve.com

Philips TV Test Equipment  
85 McKee Drive  
Mahwah NJ 07430  
Tel: 201-529-2188; 800-421-0888  
Fax: 201-529-2109  
E-Mail: Judy Giantonio,  
102471.2241@compuserve.com

Phillystrand  
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Montgomeryville PA 18936-9628  
Tel: 215-368-6611  
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PHL Audio  
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F-77590 Chartrettes France  
Tel: +33-1-6069-1008  
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Phoenix ENG  
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Tel: 513-891-1444  
Fax: 513-891-3453

Photomart Cine-Video Inc  
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Orlando FL 32809-5109  
Tel: 407-851-2780; 800-443-2901  
Fax: 407-851-2553

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19 Technology  
Irvine CA 92718  
Tel: 714-789-3000; 800-553-7070  
Fax: 714-789-3150

Pinnacle Svstem  
280 N Bernardo Ave  
Mt View CA 94043  
Tel: 415-526-1600  
Fax: 415-526-1601

Pioneer New Media Technologies  
2265 E 220th St  
Long Beach CA 90810  
Tel: 310-952-2111  
Fax: 310-952-2990



**PiROD Inc**  
1545 Pidco Dr  
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E-Mail: [pirod@pirod.com](mailto:pirod@pirod.com)

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Fax: 508-664-8360

Pixel Instruments Corp  
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Los Gatos CA 95030  
Tel: 408-354-9122  
Fax: 408-354-0122  
E-Mail: [pixelinstruments@msn.com](mailto:pixelinstruments@msn.com)  
Web: [www.pixelinstruments.com](http://www.pixelinstruments.com)

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Cambridge CB4 1TG England  
Tel: +44(0)1223-423399  
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E-Mail: 100424.1514@compuserve.com

Plantronics Inc  
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Fax: 773-489-0496

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Fax: 201-933-9468

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Rancho Cordova CA 95670  
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Tel: 847-390-7744  
Fax: 847-390-9886

PolyPhaser Corp  
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Minden NV 89423-9000  
Tel: 702-782-2511; 800-325-7170  
Fax: 702-782-4476  
E-Mail: [@polyphaser.com](mailto:@polyphaser.com)  
Web: <http://www.polyphaser.com>

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Silver Spring MD 20910  
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Fax: 301-589-2665  
E-Mail: [piousa@erols.com](mailto:piousa@erols.com)  
Web: <http://www.pi-usa.com>

Power Integrity Corp  
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Fax: 919-379-1301

Powercet Corp  
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Santa Clara CA 95054  
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Fax: 408-988-4869

Powermark Case Corp  
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Tel: 303-421-7912; 800-342-3246  
Fax: 303-424-0482

Precision Multiple Controls  
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Midland Park NJ 07432  
Tel: 201-444-0600  
Fax: 201-445-8575

Precision Specialties Inc  
8740 Shirley Ave  
Northridge CA 91324  
Tel: 818-349-9774  
Fax: 818-349-4367

PRECO (Broadcast Systems) Ltd  
3 Four Seasons Crescent, Kimpton Rd  
Sutton, Surrey SM3 9QR England  
Tel: +44-181-644-4447  
Fax: +44-181-644-0474

PRECO Inc  
554 E Tujunga Ave Ste 204  
Burbank CA 91501  
Tel: 818-842-4632; 800-227-8887  
Fax: 818-842-4678

Premier Lighting & Production Co  
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North Hollywood CA 91605  
Tel: 818-762-0884; 800-770-0884  
Fax: 818-762-0896  
E-Mail: [premierltg@aol.com](mailto:premierltg@aol.com);  
[premier\\_lighting@etec.org](mailto:premier_lighting@etec.org)

Premier Wireless Inc  
4749 Bennett Dr Ste C  
Livermore CA 94550  
Tel: 510-449-2101  
Fax: 510-449-9148



**Prime Image Inc**  
19943 Via Escuela  
Saratoga CA 95070  
Tel: 408-867-6519  
Fax: 408-926-7294

Prism Media Products Ltd  
William James House Cowley Rd  
Cambridge CB4 4WX England  
Tel: +44(0)1223 424988  
Fax: +44(0)1223 425023

Prism Media Products Inc  
121 State Hwy 35  
Red Bank NJ 07701  
Tel: 908-747-7272  
Fax: 908-747-2871  
E-Mail: [74631.1001@compuserve.com](mailto:74631.1001@compuserve.com)

Pro-Bel Ltd  
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Reading Berks RG6 4PB England  
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Fax: +44(0)1734 755787  
E-Mail: [sales@pro-bel.co.uk](mailto:sales@pro-bel.co.uk)  
Web: <http://www.pro-bel.com/>

Pro-Bel Inc  
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Dunwoody GA 30338-6410  
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Pro Power Products  
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Tel: 818-558-6222; 800-577-6769  
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Pro Video & Film Equipment Group  
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Tel: 972-869-0011  
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ProBot Communications  
36 E Industrial Road  
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Tel: 203-481-8449  
Fax: 203-488-3942

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Tel: 704-464-4131  
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Silver Spring MD 20910  
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Fax: 800-545-0058  
E-Mail: [smprodintl@aol.com](mailto:smprodintl@aol.com)

Professional Audio Supply  
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Fax: 817-483-9952

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Fax: 518-374-1535

Professional Label Inc  
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Olney MD 20832  
Tel: 301-598-2357  
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Greenville SC 29602-0141  
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Fax: 864-370-2314  
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Bethesda MD 20814-5090  
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Fax: 301-913-5575

Professional Sound Corp  
24932 Avenue Kearney #4  
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Fax: 805-295-8398

Promax Technology  
16 Technology Drive #106  
Irvine CA 92618  
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Fax: 714-727-3546  
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Web: <http://www.scsidisk.com>

Prophet Systems Inc  
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Fax: 308-284-4181

ProSource  
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ProTech Audio Corp  
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Santa Ana CA 92704-6865  
Tel: 714-540-4229  
Fax: 714-641-7062  
E-Mail: sales@pulizzi.com



QEI Corp  
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Williamstown NJ 08094  
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QMI  
25 South St  
Hopkinton MA 01748  
Tel: 508-435-3666, Fax: 508-435-4243

QSC Audio Products Inc  
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Costa Mesa CA 92626  
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E-Mail: 76702.2635@compuserve.com,  
john\_subbiondo@qscaudio.com

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7-B Raymond Ave #8 (PO Box 718)  
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Tel: 603-893-7707  
Fax: 603-893-7714

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55 Ruta Ct  
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Tel: 201-229-9800; 800-631-4000  
Fax: 201-814-0418

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Fax: 801-328-3668

Quantegy  
401 Westpark Court Ste 110  
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Fax: +44(0)1635-35895

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Fax: 770-956-8781

Questech Ltd  
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Wokingham, Berks RG41 2PP England  
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Fax: +44(0)1734-794766  
E-Mail: 100273.3024@compuserve.com  
Web: http://www.questech.co.uk

Quickset International Inc  
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Tel: 708-498-0700; 800-247-6563  
Fax: 708-498-1258

Qutron  
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Allendale NJ 07401  
Tel: 201-327-3259; 800-354-5971  
Fax: 201-818-1963

QuVis  
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Tel: 415-457-3005; 800-554-8116  
Fax: 415-456-3801  
E-Mail: larry@quvis.com  
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Racon Inc  
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Seattle WA 98168  
Tel: 206-241-1110; 800-426-5245  
Fax: 206-246-9306

Radamec Broadcast Systems Ltd  
Bridge St  
Chertsey, Surrey KT16 8LJ England  
Tel: +44(0)1932-561181  
Fax: +44(0)1932-568775  
E-Mail: Radamec@Delphi.com

Radamec Inc  
1916 Mary Ellen Lane  
Scotch Plains NJ 07076  
Tel: 918-518-0685  
Fax: 908-518-0687

Radiation Systems/Mark Antennas  
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Des Plaines IL 60018  
Tel: 847-298-9420  
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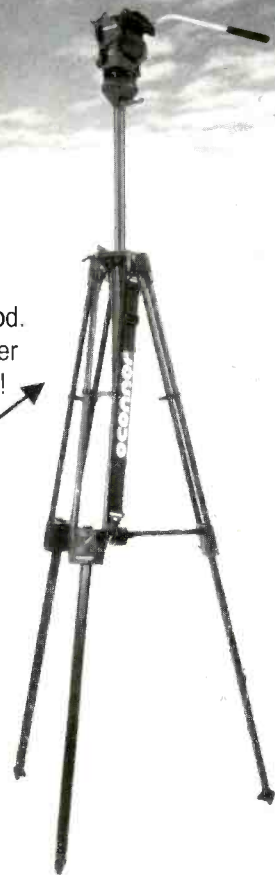
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Phoenix AZ 85040  
Tel: 602-437-9620  
Fax: 602-437-4811  
Web: <http://www.radyneaz.com>

Ram Broadcast Systems  
PO Box 3100  
Barrington IL 60011-3100  
Tel: 847-382-7575; 800-779-7575  
Fax: 847-382-8818

RAMI  
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F-77600 Bussy St Georges France  
Tel: +33-1-6466-2020  
Fax: +33-1-6466-2030

Ramko Research  
4261 B Sunset Lane  
Shingle Springs CA 95682  
Tel: 916-672-7932; 800-678-1357  
Fax: 916-672-7938

Rane Corp  
10802 47th Ave W  
Mukilteo WA 98275  
Tel: 206-355-6000  
Fax: 206-347-7757  
Web: <http://www.rane.com>

Rangertone Research  
115 Roosevelt Ave  
Belleville NJ 07109  
Tel: 201-751-6833  
Fax: 201-751-9741

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Fax: 805-294-1019

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136 Old Huff Hollow Road  
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Fax: 770-975-8915  
E-Mail: [CIS@74347.2677](mailto:CIS@74347.2677);  
[RRathbon@ix.netcom.com](mailto:RRathbon@ix.netcom.com)

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Fax: 614-221-8898

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Lexington NE 68850-0308  
Tel: 308-324-6661; 800-445-0007  
Fax: 308-324-4985

Re' An Products  
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Northfleet DA11 8HB England  
Tel: +44-1474-328-807  
Fax: +44-474-320-285

Recognition Concepts Inc  
5200 Convair Dr  
Carson City NV 89706  
Tel: 702-882-7817; 800-243-8724  
Fax: 702-882-5381  
E-Mail: [rcisales@aol.com](mailto:rcisales@aol.com)

Recortec Inc  
1290 Lawrence Station Road  
Sunnyvale CA 94089-2220  
Tel: 408-734-1290; 800-729-7654  
Fax: 408-734-2140

Redding Audio Inc  
97 S Main St Unit 10  
Newtown CT 06470  
Tel: 203-270-1808  
Fax: 203-270-2934

Rees Associates Inc  
3817 NW Expressway #500  
Oklahoma City OK 73112  
Tel: 405-942-7337

Reeves A/V Systems Inc  
227 E 45th St  
New York NY 10017  
Tel: 212-573-8652  
Fax: 212-986-3591

Reflection Technology  
230 2nd Ave  
Waltham MA 02154  
Tel: 617-890-5905

Register Data Systems  
404 Gen Hodges Blvd (PO Box 980)  
Perry GA 31069  
Tel: 912-987-2501; 800-521-5222  
Fax: 912-987-7595

Reliance Comm/Tec  
PO Box 17438  
Cleveland OH 44117  
Tel: 800-245-4501

Reliance Plastics & Packaging  
217 Brook Ave  
Passaic NJ 07055  
Tel: 201-473-7200  
Fax: 201-473-1023

Renkus-Heinz Inc  
17191 Armstrong Ave  
Irvine CA 92714  
Tel: 714-250-0166  
Fax: 714-250-1035

Research Technology International  
4700 Chase Avenue  
Lincolnwood, IL 60646  
Tel: 847-677-3000  
Fax: 847-677-1311

Rextel Communications  
PO Box 39  
Mt Rolland PQ J0R 1G0 Canada  
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E-Mail: [rextel@sympatico.ca](mailto:rextel@sympatico.ca)

RF Industries  
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San Diego CA 92126  
Tel: 619-549-6340; 800-233-1728  
Fax: 619-549-6345

RF Specialties of California  
3463 State St #229  
Santa Barbara CA 93105  
Tel: 805-682-9429  
Fax: 805-682-5170

RF Specialties of Texas  
PO Box 7630 (804 S Rusk)  
Amarillo TX 79106  
Tel: 806-372-4518; 800-537-1801  
Fax: 806-373-8036

RF Specialties of Washington Inc  
19237 Aurora Ave N  
Seattle WA 98133  
Tel: 206-546-6546  
Fax: 206-546-2633  
E-Mail: [74603.3342@compuserve.com](mailto:74603.3342@compuserve.com)

RF Systems Cablewave Systems Div  
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North Haven CT 06473  
Tel: 203-239-3311  
Fax: 203-234-7718

RF Technology Inc  
16 Testa Place  
North Norwalk CT 06854  
Tel: 203-866-4283; 800-762-4369  
Fax: 203-853-3513

RGB Computer & Video  
4152 Blue Heron Blvd W #118  
Riviera Beach FL 33404  
Tel: 561-844-3348  
Fax: 561-844-3699

RGB Spectrum  
950 Marina Village Parkway  
Alameda CA 94501  
Tel: 510-814-7000  
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E-Mail: [sales@rgb.com](mailto:sales@rgb.com)  
Web: <http://www.rgb.com>

RIA Corp  
50 E Malvern  
Salt Lake City UT 84115  
Tel: 801-486-8822  
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Richardson Electronics  
40W267 Keslinger Road  
LaFox IL 60147  
Tel: 630-208-2200; 800-348-5580  
Fax: 630-208-2550

Richmond Sound Design Ltd  
1234 W 6th Ave  
Vancouver BC V6H 1A5 Canada  
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E-Mail: [kbd@theatre-sound.com](mailto:kbd@theatre-sound.com)  
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E-Mail: [mfennell@riptie.com](mailto:mfennell@riptie.com)  
WWW: <http://www.riptie.com/velcrc>

Riser-Bond Instruments  
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Lincoln NE 68507-3141  
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RIZ-Transmitters Co  
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ROH'S Inc  
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ROH Div/Fuller Mfg  
6120 San Fernando Road  
Glendale CA 91506  
Tel: 818-500-0116  
Fax: 818-240-1828

Rohde & Schwarz Inc  
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Lanham MD 20706  
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Roland Corp  
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Roll-A-Reel Co  
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Fax: 513-761-9997

Rorke Data Inc  
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Rosco Labs Inc  
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Port Chester NY 10573  
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Roscor Corp  
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Fax: 847-299-4206

Rosner Television Systems Inc  
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Ross Video Ltd  
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RSC Electronics Inc  
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Saki Magnetics Inc  
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E-Mail: <http://www.sbe.org>

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Scala Electronic Corp  
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Fax: 541-779-3991

Scantex Labs Inc  
39 Catherine Place  
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## Announcement: New Scan Converter with Serial D1 Output

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Our new 9700XL scan converter has everything the most demanding professionals have asked for. For one thing, our proprietary scan conversion techniques provide the best image quality you'll see anywhere.

That's why Folsom Research scan converters are the choice of NASA, Fortune 100 companies, the military, and any organization needing superior quality in converting any high-resolution computer or imaging source to broadcast-quality video output.

And, of course, the 9700XL continues our tradition of providing the rock-solid, mission-critical reliability you demand.

Also, as a leading-edge company, we provide leading-edge features. The 9700XL is the first scan converter offering a serial D1 output.

The 9700XL has all the features and performance you expect from Folsom Research, including:

- RS-232 control
- Dynamic pan and zoom
- Multiple flicker elimination filters
- Conversion to all major video formats (RGB, NTSC, PAL, S-Video (Y/C), Betacam, true 31.5 KHz, and serial D1)



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Miami FL 33129  
Tel: 305-651-6241; 800-334-5083  
Fax: 305-653-1355

Schmid Telecom AG  
Binzstrasse 35  
CH-8045 Zurich Switzerland  
Tel: 41-1-456-1111; 41-1-456-1222  
Fax: 41-1-461-4888

Schmid Telecommunication America  
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Gloucester City NJ 08030  
Tel: 609-742-1878; 800-438-3953  
Fax: 609-742-0485

Schneider Corp  
400 Crossways Park Dr  
Woodbury NY 11797  
Tel: 516-496-8500  
Fax: 516-496-8524

Schwem Division/Tinsley Laboratories  
Inc  
3900 Lakeside Drive  
Richmond CA 94806  
Tel: 510-222-8110  
Fax: 510-223-4534

Scientific-Atlanta  
One Technology Parkway South  
Norcross GA 30092-2967  
Tel: 770-903-6163  
Fax: 770-903-6246

Scientific-Atlanta Satellite TV Networks  
4356 Communications Dr  
Norcross GA 30093  
Tel: 770-903-6057  
Fax: 770-903-6464  
E-Mail: Laura.Dunbar@Sciati.com

Scientific Systems Inc  
6003 Osuna Road NE  
Albuquerque NM 87109  
Tel: 505-883-4998  
Fax: 505-893-5250

**Scitex Digital Video**  
101 Galveston Drive  
Redwood City CA 94063  
Tel: 415-369-5111  
Fax: 415-369-4777

SCMS  
PO Box 1043  
Chatham VA 24531  
Tel: 804-432-0850; 800-874-7267  
Fax: 804-432-0853

SCTE  
669 Exton Commons  
Exton PA 19341  
Tel: 610-363-6888  
Fax: 610-363-5898

Sealevel Systems Inc  
PO Box 830  
Liberty SC 29657  
Tel: 864-843-4343  
Fax: 864-843-3067  
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Seem Audio A/S  
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Selco Products Co  
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Fax: 714-739-1507

Sencore Electronics  
3200 Sencore Drive  
Sioux Falls SD 57107  
Tel: 605-339-0100; 800-SENCORE  
Fax: 605-339-0317

Sennheiser Electronic Corp  
PO Box 987 (6 Vista Drive)  
Old Lyme CT 06371  
Tel: 860-434-9190  
Fax: 860-434-9022  
Web: <http://www.sennheiserusa.com>

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Henderson NV 89015-4249  
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Fax: 702-565-4828

Setcom Corp  
1400 N Shoreline Blvd  
Mountain View CA 94043  
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Fax: 415-965-1193

Shallco Inc  
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Smithfield NC 27577  
Tel: 919-934-3135  
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Sharb Electronics HPG Industries Inc  
192-08 90th Ave  
Hollis NY 11423  
Tel: 718-479-3011  
Fax: 718-479-3072

Sharp Electronics Corp LCD Products  
Group  
Sharp Plaza Mail Stop 1  
Mahwah NJ 07430-2135  
Tel: 201-529-8200; 800-BE-SHARP  
Fax: 201-529-9636  
E-Mail: [prolcd@sharpsec.com](mailto:prolcd@sharpsec.com)  
Web: [www.sharp-usa.com](http://www.sharp-usa.com)

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Shintron Co Inc  
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Fax: 508-371-7554

Shively Labs  
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Shotmaker Dollies & Cranes  
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Valencia CA 91355  
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Shure Brothers Inc  
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Shuttlesound Ltd  
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Siemens Audio Inc  
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Sierra Automated Systems Eng Corp  
2112 N Glenoaks Blvd  
Burbank CA 91504  
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**Sierra Design Labs**  
999 Tahoe Blvd #1  
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Sierra Video Systems Inc  
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Fax: 916-478-1105  
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Sigma Electronics Inc  
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Silicon Graphics Inc  
2011 N Shoreline Blvd MS 2L-455  
Mountain View CA 94039-7311  
Tel: 415-390-5016  
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Simpson Electric  
853 Dundee Ave  
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Sintel - Systems International  
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Skaggs Telecommunications Svcs  
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Murray UT 84107  
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SKB Case Co  
2751 SE Monroe St  
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Skotel Corp  
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St Laurent PQ H4S 1W6 Canada  
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Smarts Broadcast Systems  
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Smith and Fisher  
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Smith Audio-Visual Inc  
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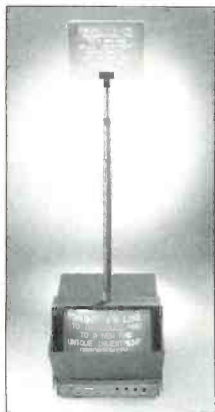
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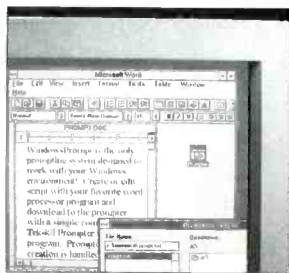
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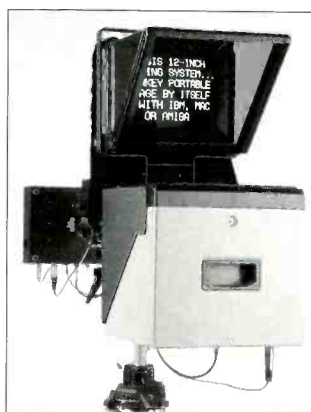
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TECH-SA PORT  
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Fax: 412-361-5103

Tectan Inc  
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Concord CA 94527  
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Fax: 510-798-2224

Tek Media Supply Co  
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Fax: 847-677-1311  
E-Mail: rti@us.com

Tekniche Inc  
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Northvale NJ 07467-2487  
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Web: http://www.tek.com

Tektronix Inc/Measurement Bus  
PO Box 86885  
Portland OR 97286  
Tel: 503-627-2830

Tektronix/Grass Valley Products  
Nevada City CA 95945  
Tel: 916-478-3000; 800-538-8878  
Fax: 916-478-3187  
Web: http://www.tek.com/grass.valley

Tektronix NewStar  
6400 Enterprise Lane Ste 200  
Madison WI 53719  
Tel: 608-274-8686  
Fax: 608-273-5876  
Web: http://www.tek.com

Tektronix Video & Network Div  
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Beaverton OR 97077  
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Fax: 503-627-7275  
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Web: http://www.tek.com/vnd

Tektronix/Lightworks Editing Systems  
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Hollywood CA 90038  
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Fax: 213-463-1209  
E-Mail: tekxpress@vnd.tek.com  
Web: http://www.tek.com/vnd

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3375 N Service Rd Ste A7  
Burlington ON L7N 3G2 Canada  
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Web: http://www.telcomresearch.com

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E-Mail: mbrown@tele-tv.com

Telectast Fiber Systems  
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Worcester MA 01605  
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Fax: 508-752-1520

Telect Inc  
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Liberty Lake WA 99019  
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Web: http://www.telect.com

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Telemetrics Inc  
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Mahwah NJ 07430  
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4783 Ruffner St  
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Fax: 503-632-3362

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Fax: 201-784-0323

Teletech Inc  
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Television Equipment - Matthey  
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S Salem NJ 10590-0499  
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E-Mail: SJT123@aol.com

Television Engineering Corp  
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Tentel Corp  
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Test Probes Inc  
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San Diego CA 92121  
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Fax: 619-535-1260

Texas Electronics Inc  
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Fax: 214-631-4218

Texscan MSI  
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TFT Inc  
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ELECTRONIQUES**  
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Westlake OH 44145  
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3M Center 223-5N-01  
St. Paul MN 55144  
Tel: 612-736-4179  
Fax: 612-737-5583

Tiffen Mfg Corp  
90 Oser Ave  
Hauppauge NY 11788  
Tel: 516-273-2500; 800-645-2522  
Fax: 516-273-2557

Time Logic Inc  
567 Knotty Pine Dr  
Incline Village NV 89451  
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Fax: 702-833-1222  
E-Mail: jim1@sierra.net; web: <http://www.timeLogic.com>

TimeLine Vista Inc  
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Vista CA 92083  
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Tinsley Laboratories, Schwem Division  
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Fax: 510-223-4534

Titus Technological Labs  
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TOA Electronics Inc  
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Todd Communications Inc  
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Minneapolis MN 55439  
Tel: 612-941-0556  
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Toko America Inc  
1250 Feehanville Drive  
Mt Prospect IL 60056-6023  
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Fax: 708-699-7864

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170 Mace St #E-6  
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Fax: 619-422-2084

Topham Audio Inc  
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Fax: 407-648-1352

Toshiba America CP Inc  
1010 Johnson Drive  
Buffalo Grove IL 60089  
Tel: 847-541-9400; 800-253-5429  
Fax: 847-541-1927  
E-Mail: [www.toshiba.com](http://www.toshiba.com)

Toshiba America/Information Systems  
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Irvine CA 92713-9724  
Tel: 714-583-3181

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Total Concept Sales  
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Glendale CA 91202-2896  
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Tower Network Services  
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Ft Lauderdale FL 33309  
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Fax: 954-771-7195

Transmission Structures Ltd.  
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Transtector Systems  
10701 Airport Drive  
Hayden Lake ID 83835  
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Fax: 208-762-6133  
E-Mail: [ttor@iea.com](mailto:ttor@iea.com)

Transvideo USA  
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Fax: 805-520-7342  
E-Mail: [tvidusa@aol.com](mailto:tvidusa@aol.com)



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Tel: 415-920-620  
Fax: 415-920-0622  
E-Mail: info@triavest.com  
Web: http://www.triavest.com

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Trident House/Rodd Est/Covett Ave  
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3200 West End Ave #500  
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Tel: 615-783-1625  
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Fax: 317-895-3613  
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Triplet Corp  
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Tripp Communications Sales-TCS  
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Walnut Creek CA 94596  
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Fax: 510-686-1802

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Fax: 818-706-1040

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Truevision  
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Santa Clara CA 95051  
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Fax: 408-562-4065

Truevision/Raster Ops  
7340 Shadeland Station  
Indianapolis ID 46256  
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Trylon TFS  
21 Howard Ave  
Elmira ON N3B 2C9 Canada  
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TSI Power Inc  
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Tungstone Batteries Inc  
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Turtle Beach Systems  
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York PA 17402-9407  
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Fax: 717-767-6033  
E-Mail: compuserve: GoTurtle; info on  
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E-Mail: sales@tvone.com  
Web: tvone.com

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Houston TX 77255  
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ULTECH Corp  
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USAFoam  
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Vacuum Tube Industries  
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Valley Audio/Galaxy Audio  
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Fax: 316-263-0642

Valmont Industries/ICPD  
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Tel: 818-843-4831  
Fax: 818-843-6544  
E-Mail: vasgroup@directnet.com  
Web: http://www.directnet.com/  
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VDO Ltd  
140 W 22nd St #6B  
New York NY 10011-2420  
Tel: 212-206-7501  
Fax: 212-206-7541

VDOnet Corp  
4009 Miranda Ave Ste 250  
Palo Alto CA 94304  
Tel: 415-846-7700  
Fax: 415-846-7900

VDP Inc  
749 Carver Road #3  
Las Cruces NM 88005  
Tel: 505-524-8959; 800-843-2236  
Fax: 505-524-9669

VEAM/Litton Systems Inc  
100 New Wood Road  
Watertown CT 06795  
Tel: 860-274-9681  
Fax: 860-274-4963

Veetronix Inc  
PO Box 480  
Lexington NE 68850  
Tel: 308-324-4600; 800-445-0007  
Fax: 308-324-4985



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Vega Wireless/Mark IV  
9900 E Baldwin Place  
El Monte CA 91731-2294  
Tel: 818-442-0782; 800-877-1771  
Fax: 818-444-1342  
E-Mail: CIS73513,1417

Vela Research  
2501 118th Ave North  
St. Petersburg FL 33716  
Tel: 813-572-1230  
Fax: 813-573-2508

Velbon International Corp  
PO Box 2927  
Torrance CA 90509-2927  
Tel: 310-530-5446; 800-423-1623  
Fax: 310-618-0166

Vertex Communications Corp  
2600 Longview St (PO Box 1277)  
Kilgore TX 75602  
Tel: 903-984-0555, Fax: 903-984-1826

Vertigo Technology  
#3D-842 Thurlow St  
Vancouver BC V6E 1W2 Canada  
Tel: 604-684-2113  
Fax: 604-684-2108

VG Broadcast  
Hayworthe Villa, Market Place  
Haywards Heath  
West Sussex RH16 1DB England  
Tel: +44-1444-413443  
Fax: 44-1444-414047  
E-Mail: 100064.3527@compuserve.com

VGV Inc (Video Gainesville)  
2400 NE Waldo Road  
Gainesville FL 32609  
Tel: 352-372-0270, Fax: 352-378-5320  
E-Mail: vgv@vgv.com  
Web: http://www.vgv.com/vgv

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Pryor OK 74361-8801  
Tel: 918-825-7555; 800-233-3223  
Fax: 918-825-6359

Vicon Industries Inc  
525 Broad Hollow Rd  
Melville NY 11747  
Tel: 516-293-2200; 800-645-9116  
Fax: 516-293-2627

Victory Battery Co  
1508 W Burbank Blvd  
Burbank CA 91506  
Tel: 818-840-2766; 800-292-6565  
Fax: 818-840-6724

Vid-Video Inc  
3919-A W Magnolia Blvd  
Burbank CA 91505  
Tel: 818-845-1515, Fax: 818-955-8599



**Video Accessory Corp**  
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Web: http://www.vac-brick.com

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Austin TX 78759  
Tel: 512-346-5781; 800-331-0547  
Fax: 512-346-9407

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Orlando FL 32819  
Tel: 407-363-1913; 800-922-4745  
Fax: 407-363-5509

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Fax: 413-786-4663  
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70713.2744@compuserve.com

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Tel: 516-231-4400  
Fax: 516-231-4405

Video Display Corp  
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Tucker GA 30084  
Tel: 770-938-2080; 800-241-5005  
Fax: 770-493-3903

Video Dub Inc  
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Northvale NJ 07647  
Tel: 201-767-7077; 800-88 DUB IT  
Fax: 201-784-2773

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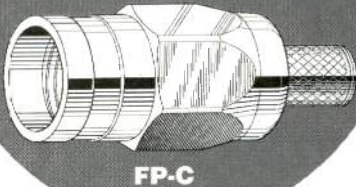
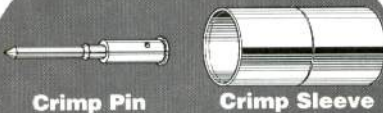
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Tel: 212-581-7111; 800-327-3724  
Fax: 212-581-7977

**Videotape Products Inc**  
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Los Angeles CA 90004  
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Fax: 213-660-2856  
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**Viewpoint Data Labs**  
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Tel: 801-224-2222; 800-328-2738  
Fax: 801-224-2272

**Viewsonics Inc**  
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Fax: 561-998-3712

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**Vision Quest**  
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Springfield MO 65804  
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**Visionetics International**  
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Web: http://www.vistek.co.uk

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Web: vmi.kc.com

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Cedar Falls IA 50613  
Tel: 319-266-8402; 800-743-3084  
Fax: 319-266-9212

**VVYX Inc**  
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Tulsa OK 74172  
Tel: 918-588-5760; 800-324-8686  
Fax: 918-588-5761



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**Daniel Weiss Engineering Ltd**  
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CH-8610 Uster Switzerland  
Tel: +41-1-940-2006  
Fax: +41-1-940-2214

**Wenger Corp**  
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Fax: 212-956-6528

**F J Westcott Co**  
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**Western Electronic Production**  
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Fall Brook CA 92028  
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Fax: 760-723-8844

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The Logic Series DIGITAL batteries are acknowledged to be the most advanced in the rechargeable battery industry. In addition to the comprehensive sensors integral to all Logic Series batteries, each DIGITAL battery has a built-in microprocessor that communicates directly with Anton/Bauer InterActive chargers, creating significant new benchmarks for reliability, performance, and life. They also complete the communications network between battery, charger and camera. With the network in place, DIGITAL batteries deliver the feature most requested by cameramen: a reliable and accurate indication of remaining battery power.

### DIGITAL PRO PACS

The Digital Pro Pac is the ultimate professional video battery and is recommended for all applications. The premium heavy duty Digital Pro Pac cell is designed to deliver long life and high performance even under high current loads and adverse conditions. The size and weight of the Digital Pro Pac creates perfect shoulder balance with all cameras/camcorders.

- **DIGITAL PRO PAC 14 LOGIC SERIES NICAD BATTERY**  
14.4v 60 Watt Hours. 5 1/8 lbs. Run time: 2 hours @ 27 watts, 3 hrs. @ 18 watts
- **DIGITAL PRO PAC 13 LOGIC SERIES NICAD BATTERY**  
13.2v 55 Watt Hours. 4 3/4 lbs. Run time: 2 hours @ 25 watts, 3 hours @ 17 watts

### GOLD MOUNT BATTERIES

Logic Series Gold Mount batteries are identical to the respective DIGITAL versions with respect to size, weight, capacity, IMPAC case construction, and application. They are similarly equipped with micro-code logic circuits and comprehensive ACS sensors. They do not include DIGITAL microprocessor features such as the integral diagnostic program "Fuel Computer", LCD/LED display and InterActive viewfinder fuel gauge circuit.

- **PRO PAC 14 NICAD BATTERY** (14.4v 60 Watt Hours)
- **PRO PAC 13 NICAD BATTERY** (13.2 v 55 Watt Hours)
- **TRIMPAC 14 NICAD BATTERY** (14.4v 40 Watt Hours)
- **TRIMPAC 13 NICAD BATTERY** (13.2 v 36 Watt Hours)
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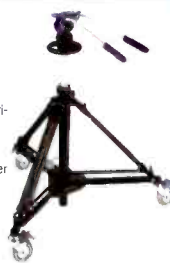


### VIDEO 14/100 FLUID HEAD

- Sachtler Touch and Go System
- Integrated sliding battery plate
- Strengthened dynamic counterbalance in 2 steps
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- Vibrationless vertical and horizontal brakes
- Built in bubble for horizontal leveling

### HOT POD TRIPOD SERIES

Especially developed for use in ENG, the Hot Pod tripod is the fastest in the world. The central locking system is activated on all three legs at the same time, while the pneumatic center column easily makes it possible to have the lens at a height of over 7 feet. The elevation force of the center column is factory set and doesn't require any setup. When moving to another location it can be carried by its handle located at the center of gravity.



### ENG TWO-STAGE TRIPOD SERIES

Sachtler two-stage tripods have an enlarged height range (lower bottom and higher top position) so they are more universal. Legs can be locked in seconds with Sachtler's quick clamping. There are also heavy duty versions for extra stability. The heavy duty aluminum has a 20mm diameter tube vs. 16mm and the heavy duty carbon fiber has a 24mm diameter tube vs. 22mm. All heavy duty two-stage tripods have a folding tripod handle.

### NEW! Sachtler CADDY Systems

Now Sachtler quality is available to low budget users. The price of a CADDY system includes the new 7-step dampened CADDY fluid head, ultra-light but rugged carbon fiber tripod, lightweight spreader and either a soft bag or cover. The CADDY fluid head features an adjustable pan arm, 7 step adjustment for quick counter balance and the self-locking Sachtler Touch and Go System.

- |   |   |
|---|---|
| <p><b>CAO 01</b><br/> <b>Single-Stage ENG Carbon Fiber System:</b></p> <ul style="list-style-type: none"> <li>• CADDY Fluid Head</li> <li>• ENG Single-Stage Carbon Fiber Tripod</li> <li>• SP 100 Lightweight Spreader</li> <li>• Transport Cover 100</li> </ul> | <p><b>CAD 2A</b><br/> <b>2-Stage ENG Carbon Fiber System:</b></p> <ul style="list-style-type: none"> <li>• CADDY Fluid Head</li> <li>• SP 100 Two-Stage Carbon Fiber Tripod</li> <li>• ENG 120 Lightweight Spreader</li> <li>• Soft padded ENG Bag</li> </ul> |
|---|---|



## Vision SD 12 and SD 22 Pan and Tilt Heads with Serial Drag

The Vision SD 12 and SD 22 are the first heads with the "Serial Drag" pan and tilt system. The system consists of a unique, permanently-sealed fluid drag and an advanced lubricated friction drag. Now you can achieve the smoothest pans and tilts regardless of speed, drag setting and ambient temperature.

- Patented spring-assisted counter-balance system permits perfect "hands-off" camera balance over full 180° of tilt.
- Instant drag system breakaway and recovery overcome inertia and friction for excellent "whip pans".
- Consistent drag levels in both pan and tilt axis.
- Flick on, flick off pan and tilt caliper disc brakes
- Greater control, precision, flexibility and "touch"
- Touch activated, time delayed illuminated level bubble.
- Working conditions from as low as -40° up to +60°C.
- SD 12 weighs 6.6 lbs and supports up to 35 lbs.
- SD 22 weighs 12.7 lbs and supports up to 55 lbs.

### Vision Two Stage ENG and LT Carbon Fibre ENG Tripods

The ultimate in lightweight and innovative tripods, they are available with durable tubular alloy (Model #3513) or the stronger and lighter, axially and spirally wound carbon fiber construction (Model #3523). They incorporate torque safe clamps to provide fast, safe and self-adjusting leg clamps.

- "Torque Safe" requires no adjustment. Its unique design adjusts itself when required, eliminating manual adjustment and maintenance and making for a much more reliable clamping system.
- New hip joint eliminates play and adds rigidity.
- They both feature 100mm leveling bowl, fold down to a compact 28", and support 45 lbs.
- #3513 weighs 6.5 lbs. #3523 CF (Carbon Fibre) weighs 5.2 lbs.



### Vision 12 Systems

All Vision 12 systems include #33643 SD 12 dual fluid and lubricated friction drag pan/tilt head, single telescoping pan bar and clamp with 100mm ball base.

#### SD-12A System

- 3364-3 SD-12 Pan and tilt head
- 3518-3 Single Stage ENG tripod with 100mm bowl
- 3363-3 Lightweight calibrated floor spreader.

#### SD-12D System

- 3364-3 SD-12 Pan and tilt head
- 3513-3 Two-stage ENG tripod with 100mm bowl
- 3314-3 Heavy-duty calibrated floor spreader

### Vision 22 Systems

All Vision 22 systems include #3386-3 SD 22 dual fluid and lubricated friction drag pan and tilt head, single telescoping pan bar and clamp with dual 100mm/150mm ball base.

#### SD-22E System

- 3386-3 SD-22 Pan and tilt head
- 3219-52 Second telescoping pan bar and clamp
- 3516-3 Two-stage EFP tripod with 150mm bowl.
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Non-Linear Editing & Computer-based Video	731	Used Video Equipment 75

## JVC PROFESSIONAL GY-X3 3-CCD S-VHS Camcorder



By employing professional camera technology in new economical ways, JVC has succeeded in bringing to market a professional 3-CCD camera that breaks all previous price barriers. The new GY-X3 delivers all the performance of a high end 3-CCD camera—high resolution, high sensitivity, low noise and natural color—at an incredible price.

- Features:**
- Three 1/3" CCDs provide a sensitivity of 2000 lux at F8.0, signal-to-noise ratio of 60dB and 65D lines of horizontal resolution.
  - Low light capability allows you to shoot in as little as 4 lux and still have bright pictures with good resolution and strong, vivid colors.
  - Full Auto Shooting (FAS) mode instantly adjusts to changes in shooting conditions. You can go from bright outdoors to indoor lighting and gain, iris, audio level and color balance will all be automatically adjusted.
  - Variable Scan View allows flicker-free shooting of a computer monitor.

- Has a built-in 14:1 (5.5-77mm) continuously variable speed zoom lens. The amount of pressure applied to the rocker determines the speed of the zoom. Both the iris and zoom can be controlled manually if desired.
- Built-in Control Track (CTL) time code generator as well as a time/date generator. The advanced CTL time code generator has a "scene finder" function that records an identification code each time you start taping. This lets you easily advance to the next or previous scene when using the JVC Edit Desk system.
- Large high resolution 1.5-inch viewfinder displays comprehensive status indicators.

## GY-X2B 3-CCD S-VHS Camcorder



- Newly designed three 1/2" CCD image sensors deliver 750 lines of horizontal resolution and superb signal-to-noise ratio of 62dB
- Micro-lens technology provides exceptional sensitivity of F8.0 at 2000 lux and LUX mode lets you shoot with almost no light! Shoot superb footage with excellent color balance at a mere 1.5 lux
- Variable Scan allows flicker-free shooting of a computer screen
- Full Time Auto White circuit lets you move from incandescent to fluorescent to outdoor lighting without changing white balance or the filter wheel.
- Quick Record Mode - when turned on the camera is set to the auto iris even if lens is set at manual. Also activates Automatic Level Control and Extended Electronic Iris to adjust gain, iris or ND filter.
- Dual output system allows camera output to be connected directly to an external recorder

which provides both variable gain and variable shutter, shoot continuously from dark room to bright outdoors without having to adjust gain, iris or ND filter.

## Panasonic Broadcast & Television Systems

### AG-DP800H UPERCAM S-VHS 3-CCD Digital Signal Processing Camcorder



- Three high-density 380,000 pixel CCDs with half-pitch pixel offset achieves over 750 lines of horizontal resolution, a S/N ratio of 60dB and remarkable sensitivity of 18 at 2000 lux. Additionally the Frame Interline Transfer (FIT) CCDs minimize vertical smear, so you maintain impressive picture quality even in very bright illumination.
- Digital Signal Processing circuitry provides four valuable benefits:
  - 1) Consistently reliable up-to-spec performance
  - 2) Fine adjustment of a wide range of parameters.
  - 3) Memory storage and instant recall of specific settings.
  - 4) More flexible and higher quality image processing, as well as easier maintenance.

- Some of the DSP circuits and their functions:
  - CHROMA DETAIL - This function compensates for poor resolution in the high chroma areas of the picture.
  - DARK DETAIL - Determines optimum degree of contour enhancement in dark areas to deliver crisp, natural-looking images
  - HIGHLIGHT COMPRESSION - Expands the dynamic range of the highlighted areas and prevents halation. The highlight compression circuit allows a wide dynamic range producing detailed images even against bright backlight or daylight.
  - FLARE CORRECTION CIRCUIT - Compensates for unsteady blue caused by light or by a subject's movements.
- Six Scene File modes. There are two user modes for custom digital parameter settings including Horizontal Detail, Vertical Detail, Chroma and Dark Details, and Color Correction. The four preset modes are normal, fluorescent, special and sparkling.
- In addition to regular AGC (Automatic Gain Control), Supercam has a Super High Gain mode. At F1.4 this enables shooting under illumination as low as 2 lux while retaining detail and color balance.
- Synchro Scan function allows flicker-free shooting of computer monitors. Electronic shutter increments can be set variable from 1/61 seconds to 1/253 of a second.
- Built-in interlaced time code generator lets you record with SMPTE LTC/VITC (Longitudinal/Vertical Interval) time code
- Two hi-fi stereo audio channels with a dynamic range of 80 dB, as well as two linear audio channels with Dolby NR. Normal/Hi-Fi recording is selectable. Uses XLR connectors to further ensure high-quality sound.
- Has a 26-pin connector on the back that outputs a composite or component video signal. This enables convenient backup recordings using an additional VCR equipped with a 25 or 14-pin connector
- Phantom power can be supplied to an optional microphone. Power can be switched off to prevent battery drain when not in use.

**Purchase a Panasonic AG-DP800H UPERCAM and receive a \$1000 Rebate directly from Panasonic.**  
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**DIGITAL**  
PROCESSING SYSTEMS INC.

## PVR-2500 'Perception'

### Digital Video Recorder

**The Heart of an Advanced Digital Audio/Video Workstation**



The PVR-2500 offers powerful features for awesome animation, morphing and retoscoping capabilities. With features like 720 x 480 resolution, 10-bit 2x over-sampled video encoding, better than D1 scaling, component and S-Video outputs, multi-processor support and integrated FAST SCSI-2 controller, it empowers your computer to rival the finest professional production studios.

- The PVR-2500 is a full-length PCI card with a FAST SCSI-2 controller which connects to one or up to seven dedicated hard drives. Because the SCSI controller is integrated with the PVR-2500, video data never has to go over the PCI bus during playback. This avoids the bottlenecks found in systems which use the computer's hard drive for video storage.
- Perception gets animations out of your computer fast and easy. Its exclusive multi-format virtual file system ensures complete integration with your Windows NT applications. Any acquired video or computer generated Perception video clips appear simultaneously in many different file formats including TARGA, SGI, BMP and IFF. Perception is compatible with Lightwave 3D, Autodesk 3D Studio Max, Crystal Graphics TDPAS 5.1 PRO, Microsoft SoftImage, Elastic Reality and others.
- Runs under Windows NT 3.5 on computers with Pentium, DEC Alpha or MIPS processors. Perception's software utilizes NT's native support for multitasking and multiple processors, allowing use with the most powerful computers.
- Perception performs real-time interpolation of 30 fps video to 24 fps film rates or vice versa. This means that it is also at home on the Hollywood movie set as well.
- Video output section utilizes 10-bit 2x oversampled encoding and provides broadcast quality CCIR-601 (720 x 480) resolution. Dynamic range is in excess of D1 scaling so images are brighter, have more color and greater spatial resolution than ever before. Component, composite and S-Video outputs are provided via the included breakout cables.
- Also control BVU protocol VCRs for video acquisition. VCR-like controls on the Perception's GUI simplifies the task of batch digitizing and recording. In this mode, the PVR-2500 can read SMPTE time code from the source deck.
- Can be used with any Windows NT compatible sound card while synchronization of audio and video is maintained by the PVR software. Captured audio is stored on the computer's system hard drive, not on the dedicated drives. This approach provides maximum flexibility for manipulating audio and video during editing.
- Can be used with third party editing software such as Adobe Premier or in sync Speed Razor MACH III. In fact, a system equipped with the PVR-2500, AD-2500 capture card, a sound card, editing software & one or more SCSI drives becomes a non-linear editor of unparalleled performance - at an unbeatable price.

### Bundled plug-in for Kinetics 3D Studio MAX

Every PVR-2500 includes DPS Lockstep software to provide significant control over 3D Studio MAX

- Frame buffer device rendering mode enables unlimited test renders without having to delete files.
- Easily control PVR parameters like preview sizes and pencil test options from within 3D Studio MAX. Device level support automatically sets screen size, aspect ratio, gamma, and other related PVR adjustments.
- Video, animations and stills on the PVR SCSI drive show up as PVDs or PSTs within MAX dialog boxes.
- Image selection, background and video post tools in MAX work like standard video streams.
- PVR image sequences show up in the viewport and shuttle renders without having to delete files.
- Onset and editing tools work natively.
- No more jumping out to the PVR Player or file manager. Lockstep provides direct support for selecting, playing, deleting and managing the PVR disk and files.
- By setting one check box in the rendering dialog, all non-rendering machines can render directly to the PVR-2500 while maintaining the correct frame order. It couldn't be any easier.

### AD-2500 Component Video Capture Card

Coupled with the AD-2500 live video capture daughter card, the PVR-2500 becomes a broadcast-quality digital disk recorder. It delivers unsurpassed picture quality and storage capacity is limited only by the size/number of attached SCSI hard drives.

- Has component, composite and S-Video inputs for real-time recording. Captured video can also be exported as sequential RGB files for retoscoping and other compositing applications
- Incorporates a sophisticated automatic entropy prediction circuit that analyzes the content of incoming video and dynamically calculates the optimum amount of compression on a field-by-field basis - even during real-time recording. You also have complete manual control over compression level/quality settings.

### FX-2500 Perception Effects Accelerator

The FX-2500 significantly reduces the time required to render complex non-linear transitions. Although it doesn't deliver real-time transitions, it significantly improves the productivity of non-linear editing systems by dramatically speeding up the rendering time for many effects and transitions.

- A stand-alone PVR-2500 provides real-time cuts between video clips, but other transitions such as dissolves and wipes, substantial delay can occur. A 30 frame dissolve can take minutes to render, even with the fastest PC, because the host CPU processes source frames on a pixel-by-pixel basis. The Perception FX reduces the waiting to time to under 10 seconds.

### DAR-2500 Digital A4V Recorder

Featuring comprehensive audio post-production capabilities, the A4V (Audio for Video) board provides perfect video/audio synchronization when used with the PVR-2500. A full-length PCI card, the A4V's input and output connections are made via the supplied breakout cables while digital audio is stored on the system hard drive. And to ensure compatibility with third-party audio editing software, it plays and records standard compressed WAV files. It can also be controlled directly by video editing software like in sync Speed Razor MACH III.

- Non-linear, non-destructive audio editing. No waiting for edits to compile.
- True audio scrub.
- Simultaneous record/playback. Play up to three stereo tracks while recording one stereo track.
- Mix four stereo source tracks down to two output channels in real-time.
- Four-band Parametric EQ for each channel (assignable by stereo pair).
- Real-time reverb and compressor/limiter. Additional effects can be easily added via software upgrades.
- Built-in LTC/VITC time code generator/reader/inserter lets you create window cuts with time code information superimposed over composite or S-Video signals.
- Unlimited audio editing capabilities with third party software.



## Uncompressed 10-Bit D1 Video Disk Recorder

Hollywood is a PCI and ISA-based three card set that provides a D1 video recording solution for high-end animation, retoscoping, and video/graphics compositing. Because such operations can require many passes, Hollywood avoids the use of any video compression which can progressively deteriorate images.

- Hollywood dramatically reduces the cost per minute for uncompressed video recording. Equipped with 4GB hard drives, typical Hollywood recording times range from 7 to 10 minutes. Compare the cost of Hollywood against competitive products which provide mere seconds of capacity.
- Equipped with Serial D1 and component analog video (BetaCam/Mini) inputs as well as composite and S-Video.
- Optional SD-2500 Serial D1 I/O option lets you interface the PVR-2500 directly to Hollywood. The SD-2500 provides one serial D1 input and two outputs plus a composite input.
- Can also function as a digital test signal generator, providing 20 different 10-bit digital test patterns

PVR-2500 Digital Recorder	1599.00
AD-2500 Video Capture Card	849.00
FX-2500 Effects Accelerator	899.00
DAR-2500 Digital A4V Recorder	1295.00
Hollywood 10-bit Video Disk Recorder	CALL
SD-2500 Serial I/O Card	CALL



**TRUEVISION**

## TARGA 1000/2000

Digital Video Capture Boards  
for Windows, Windows NT and Macintosh PCI

The TARGA 1000 and 2000 are an easy and affordable way to transform your computer into a powerful digital editing system. Along with their high-speed PCI interface, both the TARGA 1000/2000 incorporate all you need to create spectacular multimedia content. They support NTSC and PAL standards and let you capture, edit and playback full-motion, full-resolution digital video with fully synchronized CD-quality audio. Designed for high performance IBM compatibles and Power Macs they deliver incredible processing speed for video and audio effects, titling and compositing.

TARGA 1000/2000 PCI for Mac is the premier open systems (QT 2.1 Native) video capture/playback and effects acceleration board on the market. They provide a flexible "plug-and-play" solution for video authoring, 3D animation and multimedia applications. Work on animation projects with software like Strata Studio Pro or Specular Infranti-D and video or CD-ROM authoring with Adobe Premiere and After Effects 3.0.



### Advanced DVR (Digital Video Recording) Technology:

The TARGA 1000/2000 employ advanced DVR technology to deliver superior video performance. Unlike other systems that treat each frame of video as a block of data tied to a specific order of steps such as decompression-resize-compress-write to disk, DVR writes an entire frame of uncompressed video to the huge on-board 20 MB RAM buffer of the TARGA 2000 (8 MB RAM buffer of the 1000). This is a "memory-centric" approach, in which all board functions share access to the video buffer. For example, a DSP (digital signal processing) chip can scan for additional data, such as matching audio samples to video frames to help maintain lip sync. Transitions, filters, effects and/or resizing can also be

applied while the uncompressed frame is in TARGA memory. The final output is then compressed and written to disk. Video data only crosses the bus twice - both times in compressed form. On other systems, the video data path is longer and more complicated. Video crosses the bus - twice uncompressed and twice compressed.

The DVR architecture can access information in its memory buffer at a speed of 230MB per second. Video runs only at 2 to 7 MB per second, so the TARGA boards have all the time needed to decide what to do with each frame. And because uncompressed data is never sent across the bus, bottlenecks that plague other systems are eliminated.

### TARGA 1000/2000 Features:

- Record and playback video directly to/from hard drive at full motion, full frame rates (50 fields/sec PAL, 60 fields/sec-NTSC). Video is stored and played back at the highest resolution for each format (768 x 576 x 24 bit - ADL, 640 x 480 x 24 bit -NTSC). Compression can be adjusted on the fly to optimize for image quality and/or minimum storage space.
- Audio is digitized at 44.1KHz or 48KHz sampling rates, for professional quality stereo sound. Since all audio and video processing is done by on-board DSPs, you are assured of perfectly synchronized sound and images.
- Equipped with composite and S-Video inputs/outputs. Also available with component input/output (TARGA 1000 PRO).
- Genlock using separate sync input for working in professional video suites
- Optimized to work with Windows NT-based software (Adobe Premiere 4.2, in sync Speed-Razor MACH III)

### Macintosh version only:

- Video capture plug-in for Adobe Photoshop.
- Quicktime 2.1 compatible, can be used directly out of the box with many applications.

### TARGA 2000 Additional Features:

- Accelerated Windows 3.11 and Windows NT 3.51 display drivers offer integrated, true-color (24-bit), non-interlaced desktop up to 1152 x 870 pixels.
- View your desktop and video-in-a-window on your non-interlaced monitor while the processed video is output at NTSC or PAL to a video monitor and/or a VCR.
- Provides a large work area for displaying video, as well as editing application controls. Any part of the display (or even the whole image) can be recorded to tape (video-out-of-a-window).
- Equipped with composite and S-Video inputs/outputs. Also available with component input/output (TARGA 2000 PRO)

TARGA 1000 for Windows or Macintosh PCI (specify)	1899.00
TARGA 2000 for Windows or Macintosh PCI (specify)	2899.00
Special! TARGA 2000 for EISA (PC)	999.00
Special! TARGA 2000 for Nubus (Macintosh)	1499.00



## TARGA2000 DTX/RTX

The TARGA 2000 DTX (data throughput enhanced) is a next generation digital video solution that delivers unmatched price/performance on the desktop, as well as offering a secure, flexible upgrade path to real-time digital video effects. The 2000 DTX offers an open systems architecture and an industry best data rate of up to 12 MB/second to deliver the most pristine video quality available on the desktop today - at any price. A single codec configuration of the award-winning TARGA 2000 RTX, the 2000 DTX is a perfect match for professional non-linear editing, compositing, animation, and 3D applications.

- Motion-JPEG codec, DVR architecture delivers near lossless quality video. Supports data rates up to 12MB/second (400 KB/frame NTSC)
- CCIR 601 720 x 486 NTSC and 720 x 576 PAL resolution support. Square pixel 640 x 480, 648 x 486 NTSC or 768 x 576 PAL resolution support
- Synchronized audio and video in hardware
- Balanced CD and OAT quality audio via XLR connectors with optional Breakout Box. The box can be utilized as a desktop device or rack mounted in a standard 19" rack.
- Drives both RGB and NTSC/PAL monitors simultaneously
- On-board acceleration up to 600% of 19 popular Adobe Premiere transitions
- Cross platform support for Mac QT and Windows NT
- Video-for-Windows native file formats
- Supports component YUV, RGB, S-Video and composite input and output
- For those that will come to need non-linear A/B roll editing capability, there is also an upgrade path to the real-time effects processing of the TARGA 2000 RTX.

The TARGA 2000 RTX brings real-time processing and the highest I/O throughput to the desktop. It delivers real-time DVE, broadcast quality video, and professional I/O connections with support for industry standard video file formats under Mac/Windows NT operating systems. The system is designed to meet the needs of video professionals who are looking for an open-system solution for non-linear editing and desktop multimedia production.

- Processes digital video effects such as wipes, fades and dissolves in real-time. These common transition effects now require long render times using the host CPU for many computer-intensive tasks. On the RTX, these frames are created in real-time at full quality. Once frames are created by the RTX, they can be instantly output to tape at the high quality level demanded in professional broadcast applications - full motion 60 field NTSC and 50 field PAL broadcast quality video (300 KB/frame). Supports CCIR 601 as well as square pixel resolutions.
- Fully video-for-windows and QuickTime native, so all your current authoring applications supporting these standards will fly with TARGA.
- Drives both the video monitor and the RGB screen up to 21 inches at 24-bit color and supports full-motion previewing on both RGB and video displays for optimal video editing.
- Designed for easy integration into broadcast and post-production facilities, the 2000 RTX includes a breakout box which can be rack mounted or used as a stand alone device on the desktop. The box allows easy connection to Composite, S-Video or Component input/outputs as well as XLR balanced audio, genlock and alpha channel connections.

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## A note about our turnkey systems:

In addition to the systems listed on this page, we can further customize any system to fit particular needs. You can choose faster display cards, bigger hard drives, more memory, larger monitors, better speakers, etc. We also carry a large variety of 2X and 4X CD-ROM writers (HP SureStore 4020i, Sony Sprezza, FWB Hammer CD-Rs), RAID subsystems (Optima, FWB), portable storage devices (Iomega, Squest) to name a few. Tell us what you need and our salespeople will custom-design a system for you. And if you happen to be in New York, please come and...

Visit our expanded Video Store and Digital Video Showroom

## QUICK DIAL 731 SPEED RAZOR MACH 3.5

### Digital Video Editor for Windows NT

The ultimate digital video editing software, Speed-Razor MACH 3.5 edits full screen, 60 fields per second, CCIR 601 broadcast-quality video. Designed for the DPS PVR-2500 and Truevision's TARGA series video capture cards, Speed-Razor MACH 3.5 is the fastest and most powerful tool for editing and compositing video clips, animations, stills, music and sound effects.

Speed-Razor features infinite video, audio, transition and effects tracks and comes with Razor Blades—transitions and effects to enhance your production. There are preset tumblers, fades and wipes which you can easily customize and save as new presets. In addition, there are special image effects which are unquestionably the highest quality of any system—analogue or digital. Speed-Razor sports anti-aliased 3D DVEs, an Infinite channel chroma keyer and an excellent character generator. Use the included effects or transitions, layer them to create new ones, make your own grayscale bitmaps to use as transitions, or use 3rd party plug-in effects—the flexibility is yours.

There are two user definable resolution modes (thumbnail and final) to facilitate editing. The thumbnail mode allows you to use Speed Razor in the field on a laptop then transfer the project file back at the edit suite and automatically recapture and re-render the entire project at final resolution. RS-422 control and batch capture module allow you to automate video capture via SMPTE time code, so digitizing video and audio is simple and painless. In fact, with the innovative "Virtual Editing" function you can actually edit your project, complete with effects and transitions—before you've digitized a single frame of video.

#### EDITING FEATURES:

- Real-time straight cut editing (this doesn't require a new file to be made and requires less space on the hard drive to edit)
- The only video editor with the ability to cut to the field
- Work in Thumbnail or Final Output resolution mode (you set the resolution for each)

#### COMPOSITING:

- Infinite number of layers of video clips, still and animations can be composited together
- Handles any resolution from Betacam (720 X 480) up to Omnimax film (4000 X 4000)
- Video clips can be combined using an alpha channel, key color transparency, still or traveling mattes

#### FILE FORMATS:

- Reads and writes ANI files (created by DPS' PAR), PVD files (Perception), DVM files (TARGA 1000 and 2000) and sequences of TARGA files
- Convert files between any of the following formats: ANI, PVD, DVM, AVI, BMP, TGA, FLC, FLI, WAV
- Project-based Library for organizing your work

#### AUDIO:

- Handles audio up to DAT (48 kHz) quality
- Infinite number of audio tracks for multi-layer audio mixing

#### EFFECTS:

- Blur (circular, gaussian, fast), tint, brightness adjustment, chroma key, crop, displacement, emboss, freeze frame, glass texture, greyscale, invert, loop, matte, pixilate, repeat files, scale, transparency, strobe, turn red/green/blue
- 3D DVE (translates and/or rotates an image in three dimensions on the X, Y and Z axis)
- Sets a color channel to an assignable value
- Titles (full blown CG using any Windows font in any color with automatic drop shadow)
- Sub-pixel rendering for infinitely smooth motion
- Effects can be applied to infinite sources

#### TRANSITIONS:

- Includes over 100 grayscale image transitions, crossfades, luminance fades, fade to/from black, fade to/from white, push, twist, twist in/out tumblers, flip, turn, scale (zoom)
- Transitions can be applied between infinite inputs

in:sync Speed Razor MACH 3.5 for DPS PVR-2500 and Truevision TARGA Series .....CALL

## TARGA and DPS Windows NT Turnkey Systems:

- 220-watt, 6-bay midtower case
- PCI motherboard with 512K pipelined burst cache
- Pentium 166 MHz processor
- 9FX Motion 771 2MB VRAM PCI display card (TARGA 2000 Systems only)
- 9FX Motion 771 4MB VRAM PCI display card (DPS and TARGA 1000 Systems only)
- 32MB of EDO (Extended Data Out) RAM (Premiere systems only)
- 64MB of EDO RAM (Speed Razor systems only)
- Quantum 1.2GB IDE system drive
- Seagate (Barracuda) 4.2GB SCSI-2 FAST/Wide hard drive
- Adaptec AHA-2940UW FAST/Wide SCSI-2 controller card
- MediaTRIX AudioTRIX Pro DSP equipped 16-bit audio card (for DPS systems only) • Teac CD-58e 8X EIDE internal CD-ROM drive
- 3.5" floppy drive • Aitec-Lansing 300.1 three-piece deluxe speaker system
- Princeton Ultra 17+ high resolution 17-inch multisync monitor
- Focus 2001A keyboard • Microsoft MS mouse • Windows NT 3.51 operating system software



TARGA 1000/Adobe Premiere 4.2.....\$6495	TARGA 2000/ Speed-Razor MACH 3.5.....\$9595
TARGA 1000 PRO/ Adobe Premiere 4.2.....\$6795	TARGA 2000 PRO/ Speed-Razor MACH 3.5.....\$9995
TARGA 1000/ Speed-Razor MACH 3.5.....\$7695	TARGA 2000 DTX/ Adobe Premiere 4.2.....\$10,795
TARGA 1000 PRO/ Speed-Razor MACH 3.5.....\$7995	TARGA 2000 DTX/ Speed-Razor MACH 3.5.....\$12,595
TARGA 2000/ Adobe Premiere 4.2.....\$7795	TARGA 2000 RTX/ Adobe Premiere 4.2.....\$12,995
TARGA 2000 PRO/ Adobe Premiere 4.2.....\$8295	TARGA 2000 RTX/ Speed-Razor MACH 3.5.....\$14,795
*PVR-2500/AD-2500 w/Adobe Premiere 4.2.....\$6995	*PVR-2500/AD-2500 w/in:sync Speed-Razor.....\$7995

\*PVR-2500 System Notes: 1) Does not include Adaptec SCSI-2 controller card (has built-in SCSI-2 port)  
2) Includes Seagate Barracuda 4.2GB Narrow hard drive (doesn't accept Wide drives)

#### Expansions and Upgrades for all Systems:

Full Tower Case (10-bay).....add 100.00	Super Tower Case (12-bay).....add 200.00
Pentium Pro 200 MHz processor (256K cache) and Pro motherboard.....add 800.00	
Seagate Elite 9.1GB Narrow drive (for DPS).....add 800.00	Seagate Elite 9.1GB Wide drive.....add 900.00
MAG Invision MXP-17F 17" multisync monitor.....add 225.00	MAG MXP-21F 21-inch multisync monitor.....add 1100.00

#### RAID ARRAYS

With Seagate or Quantum SCSI-2 Wide AV Hard Drives (pre-stripped for Windows NT), external case, 3' HD cable and terminator	
8.4GB Raid Array (Single channel with two 4.2GB drives).....	2795.00*
18.2GB Raid Array (Single channel with two 9.1GB drives).....	4695.00*
8.4GB Raid Array (Dual channel with two 4.2 GB drives—one drive per channel).....	3095.00*
18.2GB Raid Array (Dual channel with two 9.1GB drives—one drive per channel).....	4995.00*
16.8GB Raid Array (Dual channel with four 4.2 drives—two drives per channel).....	5495.00*

\*Dual channel requires a second SCSI controller or the Adaptec AHA-2940UW Dual Channel Controller.

## QUICK DIAL 731 DATA TRANSLATION BROADWAY MPEG-1 Encoder

Broadway is a low-cost, real-time capture, edit and compression solution that makes adding video to your desktop applications a snap. Broadway seamlessly supplies MPEG-1 digitized video and audio to any Windows presentation, animation or multimedia authoring package. A true plug-and-play solution, you need no prior experience with digital video to install or use. Plus, its an all-in-one package so no additional boards, playback cards, monitors or sound cards are required beyond those standard in your multimedia PC.

#### Video Capture:

Broadway captures full-color, full-motion composite or S-video at 30 fps (frames per second) with synchronized audio. Video can be viewed in real time on your existing monitor and then digitized in real time, compressed to MPEG-1 I frame only and stored on your hard drive in editable MPEG-1 format. There are no dropped frames and no undesirable artifacts.

#### Compression:

A robust implementation of the MPEG-1 standard for digital video compression, Broadway includes three levels of encoding to achieve the highest quality video in the smallest possible file size (up to 200:1 compression). Video is compressed into the MPEG-1 standard at about three times real time or 3 minutes for every one minute clip. Broadway can also compress existing uncompressed .avi files from any video source without having to capture it.

#### Video Editing:

Incorporating hardware acceleration, Broadway allows you to cut, paste, save-selection, replace audio, etc. in almost real time. You can also combine several video clips in one sequence and include simple transitions. For complex video editing and sophisticated transitions, Broadway is VFW (Video for Windows) compliant so you can use software like Adobe Premiere or Ulead MediaStudio.

#### Use With/Within Existing Software:

- Take advantage of Broadway's full-motion video capture and MPEG-1 compression from within your favorite application environment. Broadway is accessed within packages such as Premiere and Media Studio by using Broadway's Capture and Compression dialog boxes. In addition, you can easily insert compressed video and audio into popular presentation and authoring packages. Broadway provides seamless integration with PowerPoint, Astound, Persuasion, Compel, Director, Action!, Adobe Premiere, Razor Pro and MediaStudio.
- Bring Your Message To Life:
  - Use Broadway for your Web site. MPEG-1 is ideal for the Web since its compressed to a size required by travel over low bandwidth channels—Web surfers won't have a long time for video to appear.
  - Use the power of full-motion video for sales, corporate and in the field presentations on your notebook
  - Add excitement to your CD-ROM by using video and sound. MPEG-1 delivers VHS-quality at CD-drive rates. Also ideal for video arcades and computer-based training
  - Enhance your kiosk message by replacing static and still photos with MPEG video

\$795

## MEDIA 100 MEDIA 100 QX

Media 100 qx is a high-performance digital video system that lets users of QuickTime-based applications create professional broadcast-quality video programs. It combines industry leading image and audio quality with the industry's most popular editing program—Adobe Premiere. The result is broadcast-quality programs indistinguishable from Betacam—at an affordable price. Plus it offers an easy, software-only upgrade path to the advanced features and real-time functionality of professional Media 100 systems.

#### BROADCAST QUALITY VIDEO:

Media 100 qx is based on Vincent, the same digital engine used in the professional Media 100. By using Vincent, Media 100 qx delivers image and audio quality indistinguishable from what thousands of professional Media 100 users get everyday. True broadcast quality, not available with any other QuickTime-based video editing product.

#### OPERATES IN YUV COLOR SPACE:

Vincent is a true video processing card that processes video signals in YUV color space avoiding the quality degradation inherent in RGB conversion. Media 100 qx component version offers broadcast-quality Y, R-Y, B-Y video input and output.

#### MEDIA 100 COMPATIBILITY:

Provides a software upgrade to the real-time editing functionality of the high-end Media 100. Clips and programs authored on Media 100 can be used directly by Media 100 systems with no loss. Drag and drop files from one system to another.

#### SPECIFICATIONS:

- All digital, on-line video quality with data rates up to 200 KB/frame—equates to 6.0 MB per second
- Full-screen, full-motion video capture and playback at 30 fps (60 fields) NTSC and 25fps (50 fields) PAL
- Composite and S-video input and output. Also available with component input and output (Media 100 qx Component)

#### WORK WITH QUICKTIME APPLICATIONS:

Media 100qx runs seamlessly under QuickTime, providing communication between Media 100 qx and hundreds of QT applications such as Adobe Premiere and After Effects 3.0, Spectral Infrini-D and Strata StudioPro. QT integration lets you "drag and drop" files between multiple applications with no loss in quality.

#### FAST RENDERING:

Power of the Vincent board increases your productivity by accelerating the rendering of 20 of the most popular effects.

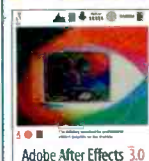
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# ad index

	Page Number	Reader Service Number	Advertiser Hotline		Page Number	Reader Service Number	Advertiser Hotline
AAVS/Div. of Sencore	49	30	800-769-AAVS	Leader Instruments Corp.	18, 21	6-12	800-645-5104
Advance Broadcast Systems	65	25	606-282-7580	Lectronics, Inc.	39	27	310-534-1505
ASACA/Shibasaku Corporation	93	43	310-827-7144	Leitch Incorporated	110	3	800-231-9673
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Autopatch	79	40	509-235-2636	Nucomm Inc.	94	45	908-852-3700
Beck Associates	107	100	512-388-9777	O'Connor Engineering	89	53	714-979-3993
B&H Photo - Video	103-105	57, 58	800-947-9928	Odetics, Inc.	51	31	800-243-2001
Broadcast Microwave Services	45	29	619-560-8601	Opamp Labs, Inc.	52	24	213-934-3566
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Clear-Com Intercom Systems	37	22	510-527-6666	Prime Image Inc.	67	46	801-272-5352
Digital Graphix Inc.	81	41	860-242-4242	Quantel	53	26	203-656-3100
DPS	69	47	606-371-5533	Sachtler Corp. of America	13	17	516-867-4900
Dubner International Inc.	61	35	201-664-6434	Sanix Corporation	47	23	708-677-3000
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ESE	65	36	310-322-2136	Sierra Design Labs	3	4	702-831-7838
Faroudja Laboratories	43	28	408-735-1492	Softel Ltd.	77	38	
Fiber Options	101	56	800-342-3748	Tekskil Industries, Inc.	94	44	604-589-1100
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