A supplement to BroadcastEngineering magazine - June 2006

SPECIAL REPORT

HOT NEW PRODUCTS FROM NAB2006

THIS IS NOT AN AUDIO CONSOLE.

Audio Control

D-9

IT'S A DIGITAL CONTROL SURFACE

THE D-9 interfaces to WHEATSTONE's router-based BRIDGE MIXING SYSTEM—a digital network that lets multiple control surfaces share common audio resources, accessing signals and sending mixes throughout your facility.

Production

OTHER SURFACES can share common audio resources

Studio 2

I/O CONNECTIONS can be at point-of-use and accessed by any control surface

DEDICATED DSPs and controls, redundant automatic failover CPUs, mix engines and power supplies are all integral to the system. Components interconnect via CAT5 or fiberoptic cables for single-wire system integration.

A traditional intuitive surface layout gets your operators up and running FAST—even in full 5.1 surround mode.

TRUE RELIABLE mixing power; ease and clarity of operation—take ADVANTAGE of the WHEATSTONE BRIDGE Network System!

CENTRAL FRAME can control a 1024 x 1024 mixing based router

Engineering

Engineering

Talk to your **STATION ROUTER** bi-directionally for smooth integration

Wheatstone

sales@wheatstone.com / tel 252-638-7000 / www.wheatstone.com

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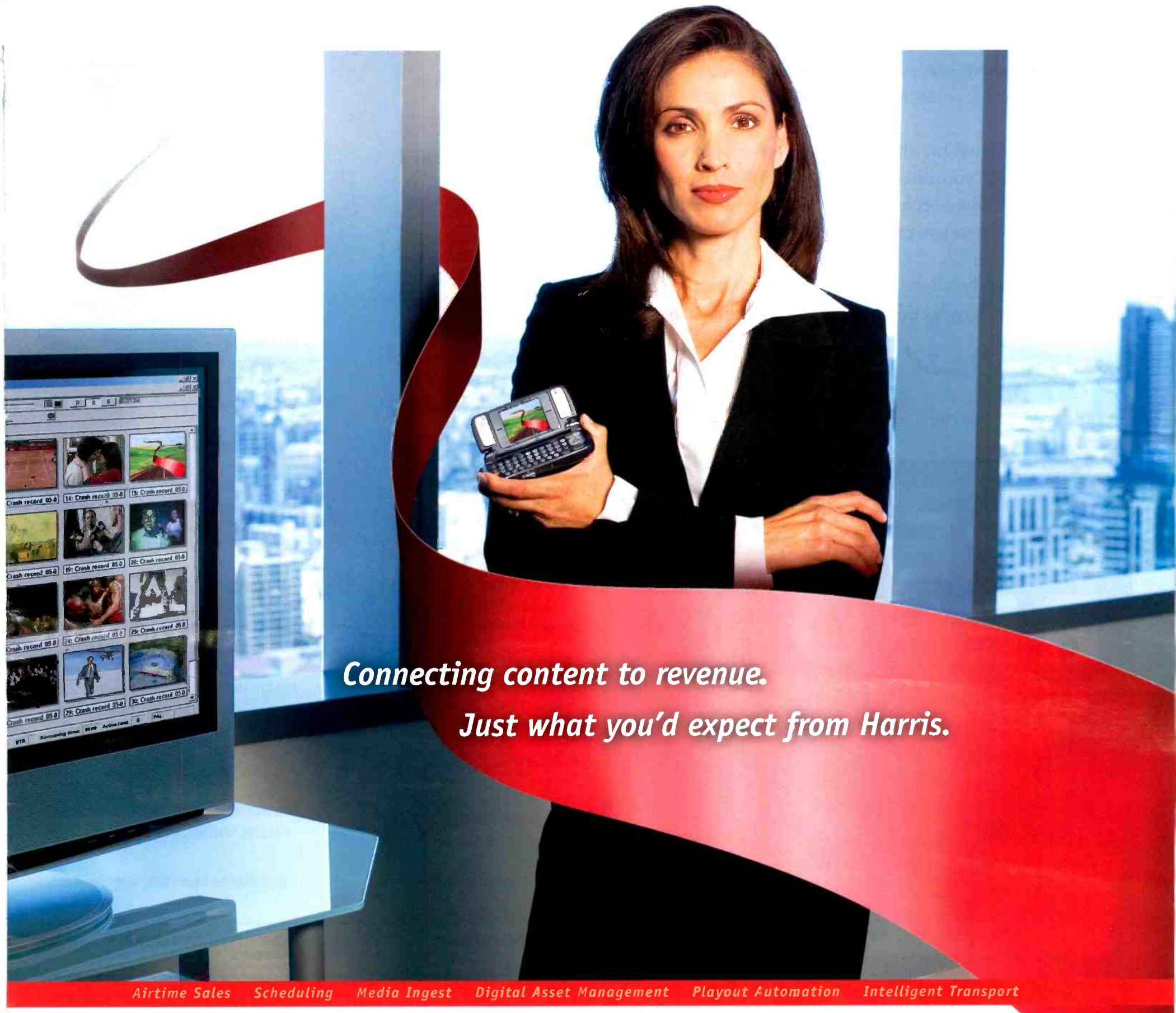
H-class *content delivery platform*

Managing Content. Delivering Results.



At Harris, we're creating the blueprint for digital content management and delivery. And we've given it a name. We call it the H-Class Content Delivery Platform and applications suite. The H-Class Platform makes it possible to easily repurpose, duplicate, convert, and multi-source content within one flexible, shared services platform. By integrating the content-aware H-Class Platform, you'll be empowered to take full advantage of the business models vital for today and into the future. As you add H-Class applications to your operation, more opportunities will emerge to connect content to revenue. Ask a Harris representative how you can connect your content to revenue with the H-Class Platform and applications. Visit www.broadcast.harris.com/h-class

HARRIS® assuredcommunications™

Broadcast • Microwave • RF Comm • Government Systems **www.harris.com**

NEW PRODUCT EXTRAVAGANZA

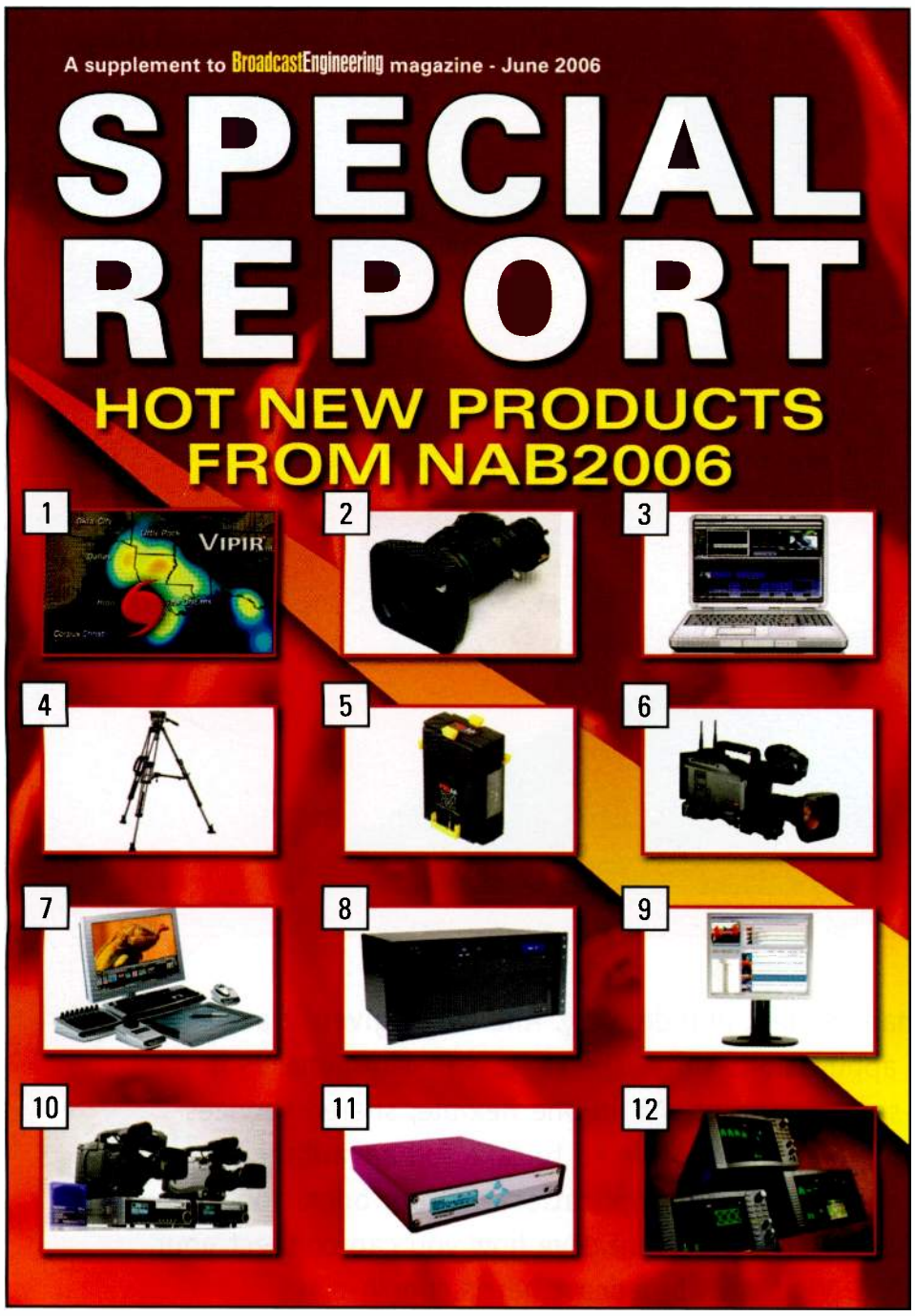
For four days, 105,000 attendees and more than 1400 exhibits made for an exciting NAB2006. To help readers capture all the products and technology, the editors and writers at *Broadcast Engineering* canvassed the entire 860,000sq ft of Las Vegas Convention Center space looking for the latest production, broadcast and cable solutions. And we've got 'em all!

Even if you attended the show, it was impossible to see everything. So, to help you discover what you might have missed, read on. Each product review is complete with description and full contact details so you can contact the vendor.

Sit back, relax, and read on! You're about to connect to the immediate future of production and broadcast technology.

Brad Dick

Brad Dick, editorial director



ON THE COVER

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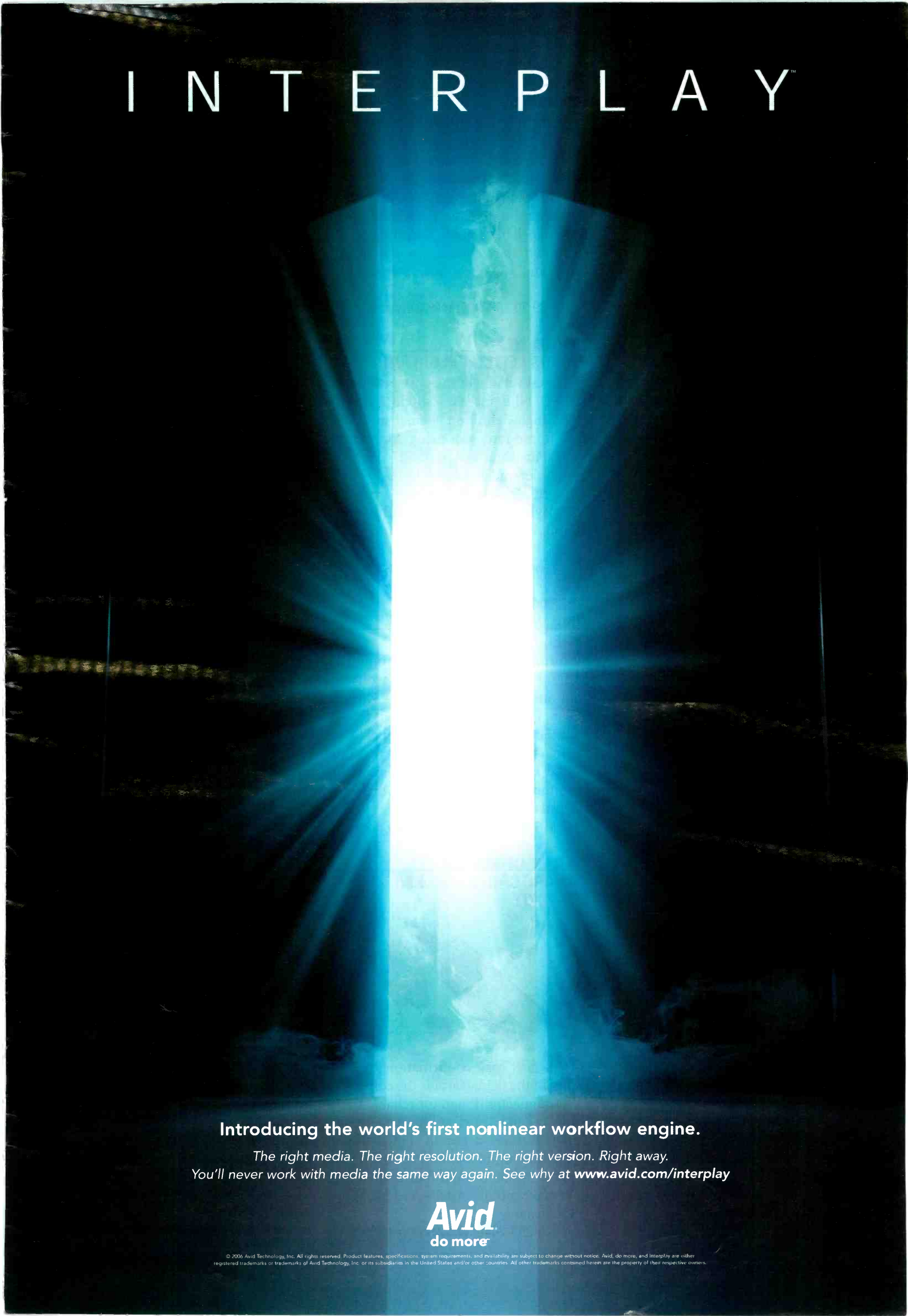
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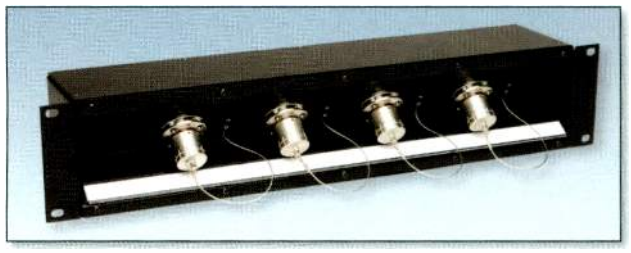
HYBRID FIBER DISTRIBUTION RACK

GEPCO HDRA



Is 2RU; reduces connector protrusion and cable strain; provides a simplified solution for the on-site installation of SMPTE hybrid fiber interconnections; each hybrid fiber connector is broken out into separate single-mode fiber ST connectors and an electrical five-pin connector, allowing the camera interconnect to run over separate fiber-optic and electrical cable elements.

847-795-9555; *www.gepco.com*

FILE SHARING SYSTEM

SMALL TREE COMMUNICATIONS BLAZEFS

Designed for Macs; offers users the ability to store large data files, such as uncompressed HD video, on a file server rather than local to each client and allows clients to access these files at speeds similar to the local disk; can drive data to the maximum speed of a Gigabit Ethernet link; works in concert with Small Tree's 10Gb Ethernet and InfiniBand products.

866-782-4622; *www.small-tree.com*

MULTICHANNEL AUDIO ENCODER/DECODER

DOLBY E DP571/DP572

Encodes up to eight channels of digital audio and metadata for use in DTV program production and broadcast distribution; decodes Dolby E bit streams for use in DTV program production and broadcast distribution infrastructure.

415-558-0200; *www.dolby.com*

ROUTER

UTAH SCIENTIFIC UTAH-400

Can expand seamlessly from 64 x 64 to 1152 x 1152 and more; includes HD and SD digital video switchers and a digital audio switcher; all SD switchers are fully upgradable to HD operation by means of a simple board exchange.

801-575-8801; *www.utahscientific.com*

EXCITER

SCREEN SERVICE ITALIA SCT 100U/S

A 10W UHF stereo transmitter; features modular construction, conventional cooling, AGC and ALC controls, and three-slope linearity pre-correction; can program the local oscillator from front panel; has a preset for precision offset, a soft-start circuit, low-power consumption, a SAW vestigial filter and sync restore.

+39 30 3582225; *www.screen.it*

HD/SD NLE

HARRIS LEITCH VELOCITYHD

The latest version of the post-production HD/SD NLE includes support for the HDV high-definition format and variable frame-rate processing for content from Panasonic's AJ-HDC27 VariCam camcorder and expanded IEEE-1394 I/O support; delivers full-quality, real-time HD playback and editing of multiple video and dynamic graphics streams.

513-459-3400

www.broadcast.harris.com

REMOTE SPECTRUM ANALYZER

LP TECHNOLOGIES LPT-3000R

Performs digital TV signal monitoring and site data logging in 1RU; offers a continuous frequency range of 9kHz to 3GHz, allowing users to see 70MHz IF, 800MHz IF and 2GHz RF signals controlled by software; provides real-time display of remote signals and remote site monitoring via LAN, RS-232, wireless or the Internet.

316-831-9696; *www.lptech.com*

CABLE CHECKER

CANARE CABLE CHECKER FCT-FCKIT

Allows fast, easy confirmation of HFO cables in the field; features the company's HFO connector design for reliable transmission and easy cleaning; the compact design features a backlit digital display to measure optic loss and electrical continuity; its small build and light weight help make mobile installs smooth, secure and constant.

818-365-2446; *www.canare.com*

AUTOMATION

SUNDANCE DIGITAL FASTBREAK NXT XPRESS

The automation solution is ideal for operator-supervised program playback and spot insertion; features include switch events, clock triggers, and automatic or manual JIP cues; base configuration provides two Sundance workstations: Media Prep for ingest and content management and Air Control to supervise the actual playout.

972-444-8442; *www.sundancedigital.com*

SURROUND-SOUND MICROPHONE

HOLOPHONE H4 SUPERMINI

Provides six channels of audio capture in a compact package; ideally suited for live-event TV broadcasts; on-board multichannel preamps; virtual surround headphone monitor and encoder; generates matrix-encoded surround-sound output for stereo infrastructures; aux central channel mic XLR input.

416-362-7790; *www.holophone.com*

AUDIO NETWORKING SYSTEM

CALREC AUDIO HYDRA SYSTEM PLUS

Provides a network for sharing I/O resources and control data between Calrec digital mixing consoles; uses a scalable, flexible architecture tailored to the requirements of each installation; features remote I/O units with up to 96 inputs or outputs (analog or digital), which can be connected onto the same network, providing remotely located sources and destinations that can be used by any or all mixing consoles.

+44 142 284 2159; *www.calrec.com*

Affordable HD display with probing.

Now you can combine high quality HD multi-image display with the signal probing needed for master control. The **Kaleido-Alto-HD** provides detection of all the key video and audio parameters, with reporting on-screen or via SNMP for facility monitoring. This 10-input,

auto-sensing HD/SD/Analog processor can also be combined with our Allegro MPEG-4 streaming encoder for high quality remote monitoring over IP. So if you're looking for more effective monitoring, call Miranda. We'll help you make it happen.

Miranda

Tel.: 514.333.1772 | ussales@miranda.com

www.miranda.com

HDTV: MAKING IT HAPPEN

OPTICAL DISK CART SYSTEM

SONY PDJ-A640

Handles up to 640 Professional Discs and a PDW-R1 field recorder and player; can be used with up to four separate XDCAM decks at one time, in any combination of either the PDW-1500 or the PDW-F70; includes bar code reader and remote control interfaces supporting the RS-232 and RS-422A.

800-686-7669

www.sony.com/professional

CONTROLLERS

ESE ES-700 SERIES

Programmable event controllers provide several contact closure outputs at predetermined times; compare SMPTE, IRIG and ESE time code, depending on model; available with thumbwheel, keypad or PC interface; standalone clock or timer comparators are also available.

310-322-2136; *www.ese-web.com*

AUDIO PATCH BAY

ADC TELECOM LONG FRAME

A longframe version of the company's Pro Patch Programmable audio patch bay; features a high-density 2 x 32 configuration without having to use special patch cords; a standard density 2 x 24 version is also available; features fully WECO-compliant springs with gold crossbars and self-cleaning action; the seven-position dual in-line package switch allows users to change circuit normals and grounds without Berg straps or jumpers.

800-366-3891; *www.adc.com*

AUDIO TEST SYSTEM

PRISM SOUND DSCOPE

New software includes the Acoustics 1 package, which offers transducer and room test support; features measurement mic sensitivity and frequency-response calibration, impulse response by MLS and swept-sine method and dynamic LS impedance measurement by use of an external ballast resistor in series with EUT and analog I/O; will run optionally at 48kHz, 96kHz and 192kHz.

973-983-9577; *www.prismsound.com*

MULTI-APPLICATION CONTROL SURFACE

EUPHONIX MC INTELLIGENT APPLICATION CONTROLLER

Serves as a standalone product as well as the centerpiece of the System 5-MC console surface; has four levels of control; includes a keyboard and trackball and 56 LCD SmartSwitches that can be programmed to send out keystroke commands; features HUI and Mackie Control protocol and EuCon.

650-855-0400; *www.euphonix.com*

PROMOTIONS CRAFT EDITOR

HARRIS LEITCH VELOCITYNX

Offers a comprehensive editing and effects toolset for NEXIO server environments; ideal for broadcast production environments that need high-end post features along with shared storage, sports applications that need editing and slow-motion server output, or news operations that require additional compositing capability.

513-459-3400

www.broadcast.harris.com

CONSOLE

LAWO MC²66

Broadcast and production console has a lightweight construction, low-power consumption and compact dimensions; in combination with the routing matrix integrated in the core, it offers maximum flexibility for I/O interfaces and DSP resources; has a matrix capacity of 8192 mono inputs and outputs as well as up to 512 DSP channels.

+49 7222 1002 0; *www.lawo.de*

PLAYOUT SYSTEMS

ON-AIR SYSTEMS PLAYKAST

Part of the K Series of channelKast products; features simple integration capabilities into traffic, billing and archive systems.

+44 20 7663 3663

www.on-air-systems.com

WIRELESS SPEAKER

AZDEN APS25B

Powered by a rechargeable battery that can operate the speaker for six to eight hours between recharges; can also be powered via AC; operates while being recharged; includes mic and line-level inputs, as well as user-installable wireless microphone receiver modules for UHF, VHF and infrared; inputs have individual volume controls.

516-328-7500; *www.azdencorp.com*

UMD AUTHORING SUITE

SONY MEDIA SOFTWARE UMD COMPOSER 2

Formats video-based UMD discs; new features include the addition of a new standalone multiplexer, which provides concurrent multi-project functionality by allowing multiplexing and encoding procedures to operate on separate workstations.

800-577-6642

www.sony.com/mediasoftware

MEDIA FILE TRACKING

STUDIO NETWORK SOLUTIONS POSTMAP

Designed to easily find, manage and catalog files located on a SAN, file server and removable storage such as FireWire drives and DVDs; enables users to add custom metadata fields to project files, folders and media clips; workflow feature enables users to define and track the steps throughout their entire production process.

877-537-2094

www.studionetworksolutions.com

REDUNDANCY SOLUTION

SUNDANCE DIGITAL N+1 REDUNDANCY

The redundancy feature comes standard on Titan and FastBreak NXT systems; offers a middle ground solution that uses one or more, but not one per channel, spare server outputs in the event of a playout port failure; automatically senses any sudden absence of status, cues the spare server ports and performs an Auto-JIP to join the playback stream on-the-fly within 20 seconds.

972-444-8442; *www.sundancedigital.com*

Next-generation HDTV meets its perfect match. Dolby® Digital Plus.

Here's multichannel surround sound that's perfectly matched to H.264 and completely compatible with any Dolby® Digital equipped A/V receiver. So you can immediately deliver more HDTV programming over your existing spectrum. Does that sound like a match for your business model? Get the technical specs and a lot more sound for your HDTV dollar at *www.dolby.com*.

DOLBY®

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DIGITAL AUDIO CONSOLE
WHEATSTONE D-10

A digital audio console based on the feature set and dimensions of Wheatstone's D-9; offers an array of operator enhancements, including programmable individual channel delay adjustments.

252-638-7000; *www.wheatstone.com*

MEDIA MANAGMENT
AVOCENT EMERGE SERIES

The EWMS1000 broadcasts high-quality, full-motion streaming video from virtually any source to multiple display devices up to 1000ft, without wires; can be deployed in either a point-to-point or point-to-multipoint configuration; the EMS1000P and EMS1000 extend stereo audio and analog video from point to destination up to 500ft over Cat 5 cabling; the ECMS1000 allows PS/2 and USB keyboard, video and mouse peripherals to work from up to 1000ft from the server.

800-275-3500; *www.avocent.com*

MASTER CONTROL AND BRANDING
HARRIS ICON SUITE

The SD/HD master control and branding products include IconMaster, IconStation and IconLogo; based on the Leitch NEO modular platform, IconMaster combines critical master control functions with multilayer integrated branding and can be used with other advanced applications to create a plug-and-play system all in the same frame; IconStation combines logo insertion with multiple real-time data-fed crawls and a squeezeback DVE; NEO-based IconLogo offers modular branding for such applications as time and temperature, stills and animations, audio clip playback, and text crawls for breaking news.

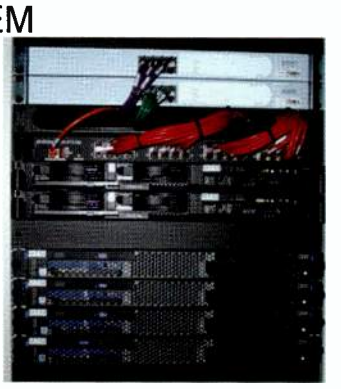
513-459-3400
www.broadcast.harris.com

DIGITAL ARCHIVE AND CATALOG SYSTEM
CRISPIN NEWSCAT

Enables the news department to store, index and later locate and quickly retrieve news stories aired from a video server; organizes and manages the content so operators can find what they need on-the-fly; digitally archives stories after airing and provides a method to easily locate material at a later date; archived video clips are linked to a database containing all script information from the newsroom computer system.

919-845-7744; *www.crispincorp.com*

PATHFIRE INTERFACE
DIGITAL TRANSACTION GROUP XE SYSTEM



Provides a hands-off, automated ingest and playback process for Pathfire-delivered syndicated programs; automatically transfers syndicated programs to the station's play-to-air server; creates the program segments, barter spots and ads with accurate timing information using Pathfire's metadata.

512-837-3737; *www.dtgtv.com*

ANALOG AND DIGITAL AUDIO TRUNKING
TELECAST FIBER SYSTEMS ADDER II BOOTHPAK

Successor to the Adder 162 and 322; a single-box solution for larger point-to-point audio applications; can handle analog and digital AES audio while converting between them; features factory-configurable modules.

508-754-4858
www.telecast-fiber.com

MONITORING SYSTEM
BARCO NETWORKED BROADCAST MONITORING SYSTEM

Allows facility-wide distribution of video sources, supported audio and associated metadata over a standard IP network; unlimited sources can be networked to an unlimited number and type of displays, with each display's graphical layout customized to accommodate each user's dedicated requirements.

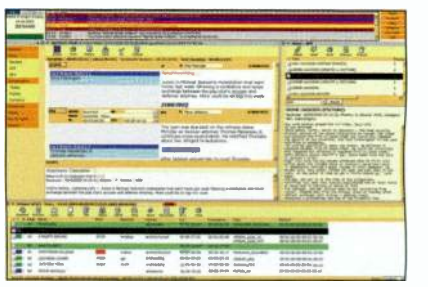
678-512-6100; *www.barco.com*

TBC CONTROL SYSTEMS
ENSEMBLE DESIGNS TC400D AND CP10

Controls video, chroma, set-up, hue and timing of digital and analog VTRs, TBCs and frame syncs; offers built-in networkability; any size system can be achieved with control of any VTR from any control panel; TC400D provides control of the proc-amp functions of four VTR TBCs; features hands-on control of levels and timing.

530-478-1830
www.ensembledesigns.com

NEWSROOM COMPUTER SYSTEM
OCTOPUS NEWSROOM OCTOPUS5



All incoming information, such as wires, Web feeds, media, faxes and e-mails, are organized and ready to be used as ideas for last-second news coverage; offers a global search engine, keyboard shortcuts for frequently used actions and saved screen layout recall; features a new service for transferring stories and whole rundowns, allowing channels to share their assets between offices around the world.

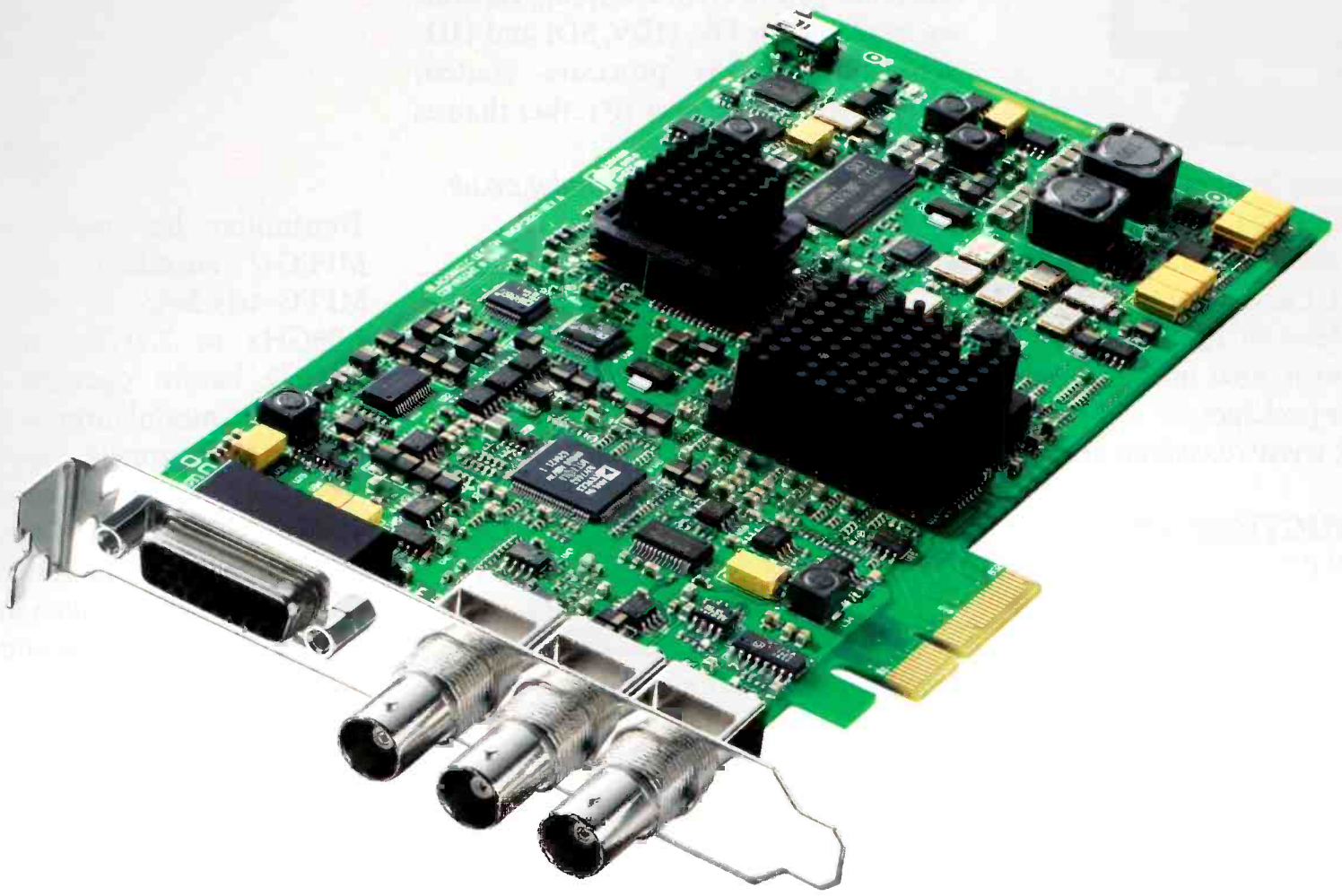
+420 221 181 511
www.octopus-news.com

ASSET AND WORKFLOW MANAGEMENT
OBOR DIGITAL ZEUS

For physical asset management, tracks equipment using identifiers such as name, description and location; for technical workflow management, provides ticket generation and management, automatic routine ticket generation, interdepartmental communications, shift notes and service scheduling; for workforce management, offers personnel scheduling, assignment of duties, time card management and safety integration; for overall management, offers budgeting tools, key performance indicators, safety reports and training overviews.

407-352-6501; *www.obordigital.com*

Blackmagicdesign



Only DeckLink HD Extreme has SDI and analog connections in HD and SD for only $995!

The new DeckLink HD Extreme features both SDI and analog I/O connections that instantly switch between HD and SD. Use with the latest PCI Express Mac and Windows computers for the world's highest quality editing, effects and broadcast paint solution.

Connect to any Deck, Camera or Monitor

DeckLink HD Extreme supports standard and high definition SDI 4:2:2 and analog YUV, as well as NTSC/PAL and S-Video in and out. DeckLink HD Extreme also features 2 channel AES audio and professional analog stereo XLR audio in and out. An RS-422 port is included for controlling broadcast decks and a genlock/HD tri-sync input for connecting to large broadcast systems.

SD HD

High Definition and Standard Definition

If you're moving between SD and HD, DeckLink HD Extreme's SDI and analog component YUV connections will switch standards instantly. Work with the widest range of equipment, such as Betacam SP, HD set top boxes, HDV cameras, Digital Betacam, HDCAM, D5, HDCAM SR 4:2:2 and more.

14bit Digital to Analog

World's Highest Quality

DeckLink HD Extreme works natively in 10 bit 4:2:2 and features the industry's only true 14 bit analog conversion with uncompressed video capture/playback. With uncompressed 10 bit capture and playback, you'll always retain that pristine film look.

Compatible with Popular Video Software

DeckLink HD Extreme gives you the freedom to move between platforms with drivers for PCI Express Apple Mac OS X™ and Microsoft Windows™ systems. Use your favorite video software such as Final Cut Pro™, Premiere Pro™, After Effects™, Photoshop™, Shake™, Combustion™ and many more.

DeckLink HD Extreme
US$995

Learn more today at www.blackmagic-design.com

PRODUCTION CONTROL SYSTEM

ROSS VIDEO OVERDRIVE VERSION 4.0

Production control system has control interfaces for Avid Deko and Vizrt graphic systems; features an enhanced RundownControl GUI and a MOS interface to Autocue's QNews NCRS; hot-standby backup operation is now included with redundant server packages.

613-652-4886; *www.rossvideo.com*

NEWS PRODUCTION SYSTEM

BITCENTRAL PRÉCIS

Provides total integrated management of all video assets from acquisition to air; the all file-based workflow improves speed-to-air and video quality while reducing operating costs; the system is browser-based, making it fully scalable to as many individuals as required, regardless of where they're located; requires no changes to a station's infrastructure; is designed with an easy and affordable HD upgrade path.

800-214-2828; *www.bitcentral.com*

GRAPHICS AUTOMATION

PIXEL POWER CONTROL CENTRE

An open standards-based solution for browsing, searching, ingesting and synchronizing graphics content; offers enhanced performance and capabilities for graphics automation in MOS-compliant or iNews ControlAir newsrooms.

954-943-2026; *www.pixelpower.com*

HDTV CAMERA

HITACHI DK-H31S

A compact, two-piece full HDTV camera built for demanding environments; the use of 2/3in CCDs provides full HDTV resolution in either 1080i or 720p formats; the small head is typically used for increased magnification optics (larger lens) inside robotic assemblies.

516-921-7200; *www.hitachikokusai.us*

TEST AND MEASUREMENT

HAMLET VIDSCOPE-VX

Is supplied and runs from a USB memory stick, instantly giving any PC comprehensive waveform monitoring, vectorscope and color gamut error checking; versions are available for DV, HDV, SDI and HD-SDI; automatically processes content that arrives as a file over IP rather than as baseband video.

+44 1494 729728; *www.hamlet.co.uk*

CONNECTORS

FISCHER CONNECTORS 1051 SERIES

Precision self-locking connectors feature low contact resistance and enable a long life; waterproof and rugged design assures a reliable transmission between camera and control unit in studios or broadcast vehicles; have an endurance of 5000 mating cycles.

678-393-5400

www.fischerconnectors.com

VIDEO NETWORKING SOLUTION

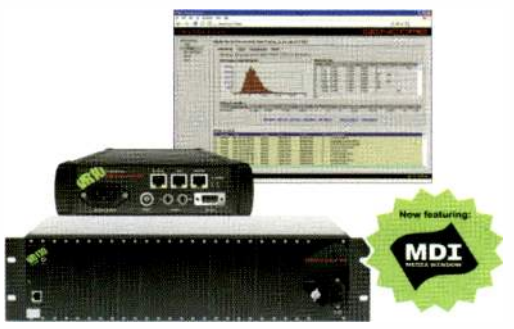
SCOPUS VIDEO NETWORKS IP-BASED VIDEO NETWORKING

Allows broadcasters and service providers to leverage a unified network infrastructure and, as a result, simplify network operations; based on a product portfolio that performs satellite reception, real-time encoding and headend video processing through IP networking.

609-987-8090; *www.scopus.net*

IPTV OPERATIONAL MONITORING

SENCORE IPTV STARTER KIT



Prepackaged solution for measurement and monitoring; addresses existing network and streaming services needs; helps determine suitability for IPTV services.

800-736-2673; *www.sencore.com*

CAMERA-BACK TRANSMITTER

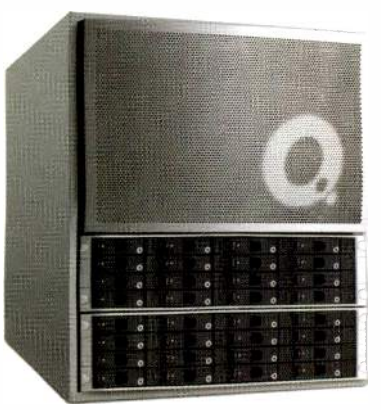
NUCOMM CAMPAC 2

Transmitter has on-board triple-pass MPEG-2 encoding; can upgrade to MPEG-4/H.264; is available in the 1.99GHz to 2.7GHz and 6.4GHz to 7.1GHz bands; operates with DVB-T compliant modulation in 6MHz, 7MHz and 8MHz channels; supports COFDM operation in channel bandwidths from 4MHz to 24MHz; RF output power is programmable from 10mW to 200mW; accepts a variety of video formats.

908-852-3700; *www.nucomm.com*

EDITING SERVER

QUANTEL SQ



A complete server-based product available in SD, HD and resolution-transparent versions; users can update from SD to HD by adding HD I/O cards to the existing unit; for maximum flexibility, resolution-transparent I/Os add the ability to up-res or down-res any content stored in the sQ, in real time, as the story is being played out of the system.

703-448-3199; *www.quantel.com*

CAMERA SYSTEM

GRASS VALLEY HD WIRELESS CAMERA SYSTEM

Features a bandwidth of 55Mb/s to 75Mb/s; transfers high-quality HD images using JPEG 2000 with a latency of one frame; ideal for intercutting HD images with cabled cameras in studio situations; offers reception across spaces required for typical sports and even coverage — up to 3280ft, with an optional roaming kit; is dockable with existing LDK 6000 series of HD cameras and the LDK 8000 HD camera.

503-526-8150; *www.grassvalley.com*

snellwilcox.com

Putting Pictures to Work

HD, mobile TV, IPTV – the broadcast digital media world is rapidly evolving with new formats and new ways of creating, packaging and delivering "content everywhere."

At Snell & Wilcox, we have mastered the challenge of making evolving technology work profitably and in harmony with your existing infrastructure by developing the tools you need to put your pictures to work.

NAB 2006 saw the launch of some of this revolutionary technology.

Helios™- Pick Hit Winner - software-based conversion platform eliminating boundaries between formats, standards and new display devices

Hyperion™ - bringing human intelligence to automated quality monitoring

Quasar Ph.C™ - the finest HD upconverter integrating motion estimation technology

To find out more about these products and the others featured at the show, visit our NAB micro site **snellwilcox.com/nab**

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PICK HIT
BroadcastEngineering
2006

Putting Pictures to Work™

SNELL & WILCOX™

MONITOR CIRCUIT VIDEO PATCH BAYS

SWITCHCRAFT MVPM

A single row of isolated single jacks allows for the monitoring of signals without interrupting the signal path; panels are available in 1RU, 1.5RU and 2RU versions; meet SMPTE 292 specifications.

773-792-2700
www.switchcraft.com

TRIPOD

BMS FIELD-CODER II

Features a portable, modular tripod, which is mounted to the COFDM transmitter's base unit; includes a 1W digital transmitter and encoder with full COFDM DVB-T specifications; an optional external 4W PA and weatherproof power supply is available to allow the tripod to provide long-distance links.

858-391-3050; *www.bms-inc.com*

ENG/EFP LENS

FUJINON HA16X6.3ERM

The 2/3in HD lens combines wide-angle of 6.3mm and high magnification (16x zoom ratio), enabling production crews to carry one lens for a range of shooting environments, including handheld production; features a telephoto focal length of 202mm with the 2X extender; the minimum focusing distance is 0.4m.

973-633-5600
www.fujinonbroadcast.com

CAMERA STABILIZING SYSTEM

SACHTLER ARTEMIS DV PRO

A MiniDV, DV Cam, HD DV camera stabilizing system; optimized design adds right amount of inertia to professional lightweight cameras; enables a dynamic balance and gives operators full control of every movement.

+49 89 321 58 200
www.sachtler.com

MEDIA ASSET MANAGMENT

KONAN DIGITAL DIGITALARC

Manages media life cycle and controls the entire process of media flow, from ingest to archiving; an embedded workflow engine provides advanced status management for all assets; users can subscribe to automatic notification services to track media and story status across the workflow; integrates seamlessly with related systems to simplify the workflow.

818-649-8655; *www.konandigital.com*

FIBER-OPTIC HD CAMERA

IKEGAMI ELECTRONICS HDL-40

Integrates the HDL-40 one-piece full-digital box-type HDTV camera with Telecast Fiber Systems' HD/POV fiber-optic video, audio and two-way data transceiver module; offers 1080i/60i or 720/60p image capture; uses fiber optics for transmission distances of 3mi or more; offers one-connector operation for HD-SDI camera output, as well as all camera controls and genlock.

201-368-9171; *www.ikegami.com*

AUTOMATION SYSTEM

PRO-BEL MORPHEUS

Manages everything from server playout to complex channels where schedules are changing regularly and unpredictably; at the core is Pro-Bel's Mediaball concept, a package of media and data elements that are brought together at transmission time to create a virtual asset; now includes a media browse facility, which provides effortless access to media across a facility or facilities.

925-735-9269; *www.pro-bel.com*

KA-BAND TWTA

MITEQ/MCL MT3600

Outdoor TWT amplifier is available for 125W, 150W, 175W and 250W applications; includes an event log, remote, computer interface and auto power control and status; can be customized to include an L-Band block upconverter, an internal linearizer or an internal Ethernet interface; redundancy is achieved through a 1:1, 1:2 or phase-combined system.

630-759-9500; *www.mcl.com*

AUDIO ROUTER

LAWO NOVA73 HD

Router is scalable up to 8192 mono channels; synchronous system has defined latency of few samples; features a variety of interfaces and direct ATM link; is 96kHz and Dolby E compatible with integrated signal processing; features STAR2 architecture and redundancy options; operation during servicing or refitting is not interrupted; hot-plugging is no longer restricted.

+49 7222 1002 0; *www.lawo.de*

HD CAMCORDERS

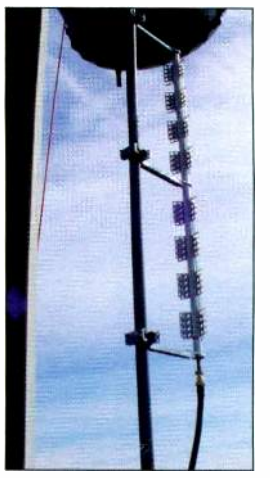
SONY XDCAM HD PDW-F330 AND PDW-F350

Part of the XDCAM HD Series and Professional Disc system; both 24p recording in SD or HD, interval recording and slow shutter; the Professional Disc media used in the SD version is also compatible with the new HD version; users can record up to two hours of HD content on the versatile optical media.

800-686-7669
www.sony.com/professional

700MHZ ANTENNAS

DIELECTRIC COMMUNICATIONS 7C, 7P AND 7S SERIES



Antennas can be horizontally, vertically or circularly polarized; 7C series consists of slotted coaxial antennas designed for applications requiring a lightweight, 6MHz or 10MHz solution in the 700MHz band; the 7P series meets both omnidirectional and unique pattern requirements with either horizontal or vertical polarization; the 7S series is designed for applications requiring a horizontally polarized, omnidirectional broadband solution.

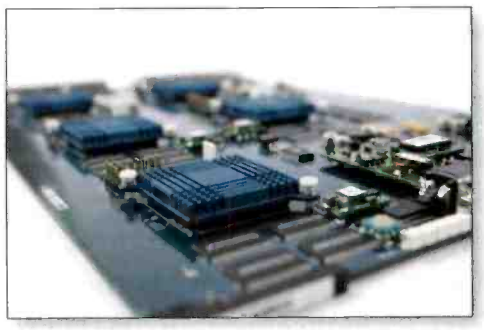
207-655-8100; *www.dielectric.com*

CALREC BLUEFIN

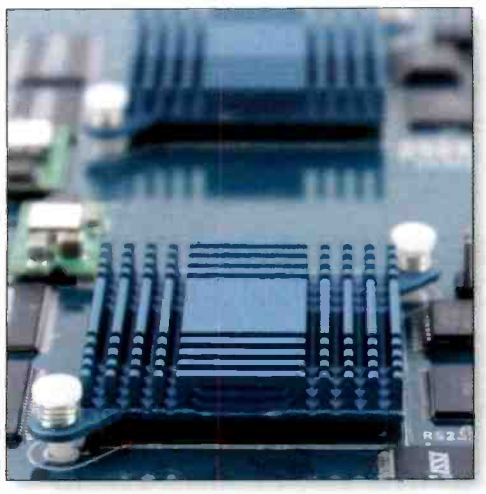
MAKING WAVES AT NAB

Launched at NAB 2006, Calrec Audio's award-winning Bluefin is a revolutionary new High Density Signal Processing system which provides 480 equivalent mono signal paths on just one DSP card - at no extra cost.

Bluefin can provide 78 x full 5.1 surround channels,



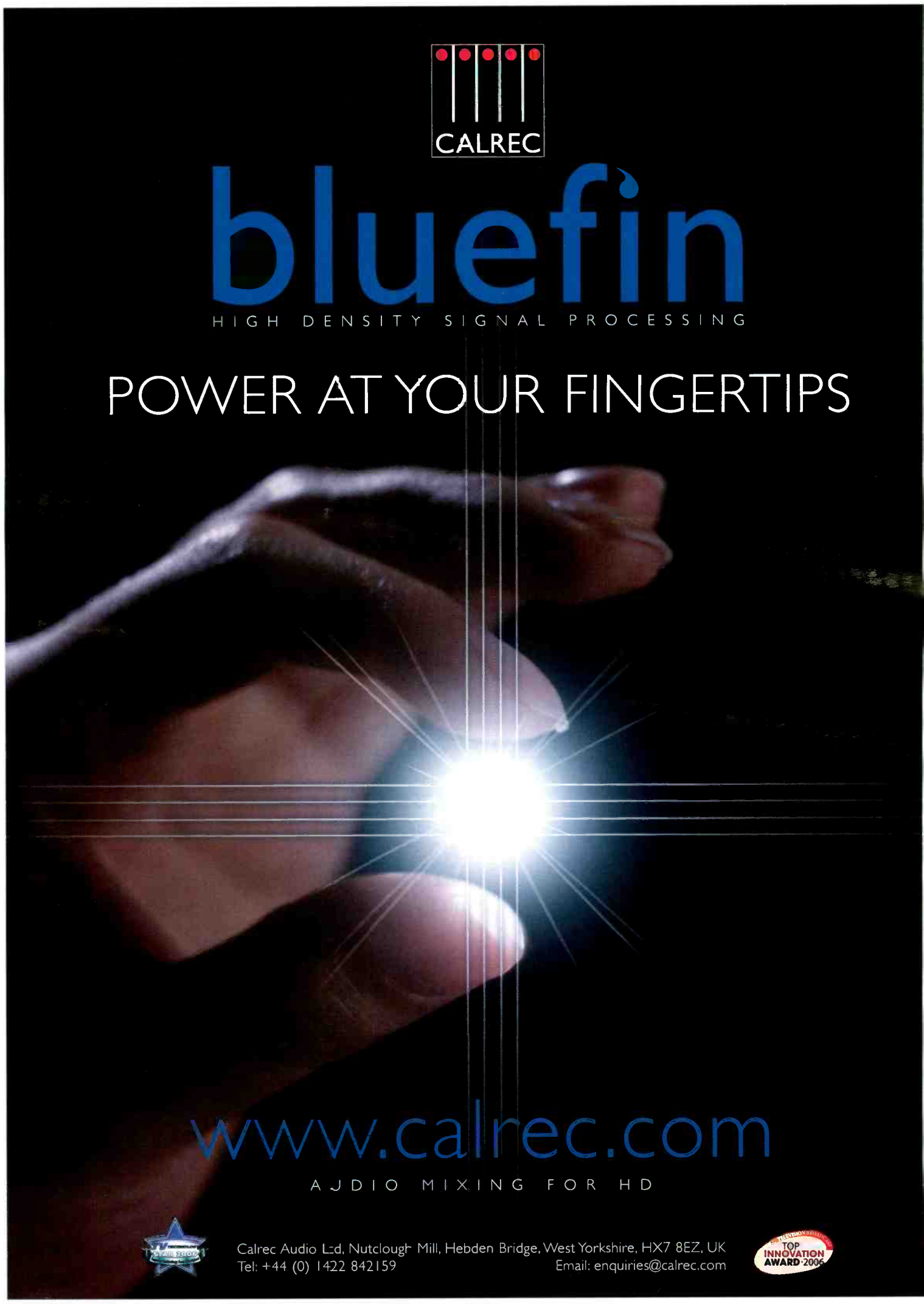
and delivers full EQ and dynamics to all channels. Bluefin also allows for 8 x 5.1 groups with full EQ and Dynamics, 4 x main outputs, 48 multitrack outputs and 20 auxes.



System resilience is provided by 100% redundancy of all processing elements through the provision of a second card - it is the equivalent of having another console as a hot spare.

Bluefin technology is fully retrofit-able to existing Alpha consoles. Having to increase console capacity to cope with HD television will not involve buying a new desk for existing Calrec users.

Bluefin scooped two awards for innovation and technology at the NAB 2006 convention; a 2006 STAR Award from TV Technology, and a Top Innovation Award courtesy of Television Broadcast magazine.



TRIPODS
MILLER CAMERA SUPPORT SPRINTER II

ENG tripods feature Miller Sprint-Loks — dual, side-action leg locks that let both stages of a two-stage tripod be adjusted independently using one hand; each leg has two Sprint-Loks, co-located on the upper leg clamp; feature patented transport clips and a mid-level spreader, with adjustable center hub and telescopic extensions.

973-857 8300; *www.millertripods.com*

FIBER CHARACTERIZATION SOFTWARE
JDSU OPTICAL FIBERCABLE V4

Enables complete qualification of fiber infrastructure as required to deliver high-quality, triple-play services via multi-wavelength and FTTx delivery mechanisms; designed to provide fast and efficient post-analysis of testing carried out in the field; integrates the latest fiber characterization test documentation (loss, reflectance, fiber bend detection, dispersion analysis, multi-wavelength analysis) for higher capacity fiber build-out programs.

317-788-9351; *www.jdsu.com*

MINIDV CAMCORDER
PANASONIC AG-DVC20 3-CCD

Weighs 4.4lb; is equipped with three 460,000-pixel CCDs and has an optical 10X zoom with Electric Image Stabilizer to compensate for jitter and vibration; other key features include an IEEE 1394 DV interface for PC-based NLE systems, "Color Night View" that permits viewing at a minimum illumination of 0 lux, and a six-language menu.

201-392-4127
www.panasonic.com/broadcast

HDTV ZOOM LENS
CANON HJ18EX28B IASE

Features Canon eDrive technology; designed for portable cameras and aircraft, robotic camera mounts, TV trucks and situations that need telephoto performance; weighs 5.7lb.

516-328-5000
www.canonbroadcast.com

LIGHT PEDESTAL
VINTEN OSPREY LIGHT

A 40kg capacity pedestal; improves wheel and floor interface, using crab-only steering for creative shot development; can be broken down into skid and column modules; is easy to transport; can be pressurized in any location with its manual pumping system.

+44 1284 752121; *www.vinten.com*

CAMERA MOUNT
PANTHER MULTI MOUNT KIT

Mounts cameras, lamps and accessories; achieves a payload of up to 80kg, depending on the application; the base plate allows users to mount a camera (3/8in), fluid head or a remote head; users can also attach a Euro mount, which makes it compatible to many of the Panther accessories.

+49 89 613 900 01; *www.panther.tv*

HD/SD EMBEDDER/ DE-EMBEDDER
ENSEMBLE DESIGNS 7600

Part of the Avenue integration system, the module is an eight-channel audio embedder/de-embedder for 1.5Gb/s HD or 270Mb/s SD video signals; configurable mux or demux; when configured as a multiplexer, it has one serial digital video input and four AES audio inputs embedded into the HD or SD video stream and sample-rate converted, allowing the use of asynchronous audio; when configured as a demultiplexer, audio signals present in the incoming video signal are extracted and delivered as standard AES digital audio streams.

530-478-1830
www.ensembledesigns.com

DUAL-CHANNEL HD/SD SWITCHABLE CG
PIXEL POWER CLARITY5000

Features a new video and audio clip player option that supports up to two streams of uncompressed HD video and key; the video clips can be used as full-frame backgrounds or passed through the internal 2-D DVE channels and composited with other graphic elements; up to 576Gb of storage can be fitted internally (for compressed HD video).

954-943-2026; *www.pixelpower.com*

WIRELESS INTERCOM SYSTEM
CLEAR-COM CELLCOM 10

Digital wireless intercom system now has the FCC Grant of Equipment Authorization for Part 15 Unlicensed 1920MHz to 1930MHz; includes local route programming, cross-point level control, assignment of IFBs, groups and full non-blocking mixing facilities; features high-quality 7kHz audio, full-duplex operation and low-power microwave technology.

510-496-6600; *www.clearcom.com*

CAMERA BATTERY
IDX TECHNOLOGY NP-L50/NP-L50

Li-Ion battery; weighs less than 1lb; designed to last nearly twice as long per use as typical NiCd batteries; never needs a discharge.

310-891-2800; *www.idx.tv*

WORKSTATION GRAPHICS
NVIDIA QUADRO FX 4500 SDI

Has 512MB memory, 256-bit memory interface, a graphics memory of 33.6GB/s, PCI bandwidth and express graphics bus; features a rotated-grid FSAA and High-Précision Dynamic-Range Technology; has improved pipeline color compression and early z-culling to increase effective bandwidth and improve rendering efficiency and performance.

408-486-2000; *www.nvidia.com*

My production.
My NEC flat-panel displays.

Get the most from your digital IT infrastructure with the industry-leading technologies and support of NEC Display Solutions. Transitioning from a CRT-based environment doesn't have to be complex. Count on NEC for display expertise, proven solutions and the right LCDs for your critical control room applications. The NEC MultiSync® Large-Screen LCD Series and Professional Series feature a range of screen sizes, exceptional scaling, superior color accuracy and black level adjustment. Our Professional Series even includes digital CableComp™ for no-hassle long-cable runs, a 12-bit LUT for better color gradations and ColorComp™ for consistent white uniformity levels. What's more, you'll soon be able to upgrade the Large-Screen Series to SDI for even more cost-effective versatility.

Yet another way we're working to be your display solutions partner. Learn more at www.necdisplay.com or call 866-NEC-MORE.

MultiSync is a registered trademark, and CableComp and ColorComp are trademarks of NEC Display Solutions of America, Inc. © 2006 NEC Display Solutions, Inc. All rights reserved. Simulated images in monitors.

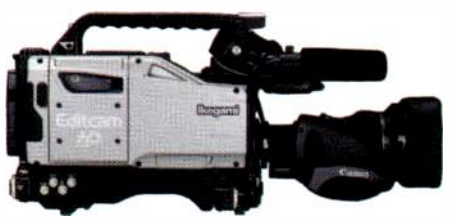
NEC
NEC Display Solutions

COLOR CORRECTOR
QUANTEL PABLO

The suite is comprised of turnkey software, hardware workspace and user interface single-vendor responsibility; available in HD, 2K or 4K configurations; features the company's new TimeMagic technology, 40TB of online workspace and high-speed background connections to SAN and NAS.

703-448-3199; *www.quantel.com*

TAPELESS HD DNG
IKEGAMI ELECTRONICS
HDN-X10 EDITCAM HD



Features a non-tape-based recording system and 2/3in 2.1 megapixel CMOS sensors for superior picture quality and wide dynamic range; uses the Avid DNxHD mastering codec to deliver HD-resolution full-raster (1920 x 1080) images that can be edited in real time; features a data rate of 145Mb/s to capture images in the 1980/60i, 1080/24p and 720/60p HD formats on Ikegami's FieldPak2 recording media.

201-368-9171; *www.ikegami.com*

WIRELESS MICROPHONE
AZDEN 100LT

Offers 63 user-selectable channels in the 794MHz to 806MHz band; includes the 100UPR receiver and 10BT body-pack transmitter, both of which are housed in small, 3 7/8in x 2 3/8in x 13/16in cases, ideal for smaller digital cameras.

516-328-7500; *www.azdencorp.com*

SWITCHER
FOR-A HVS-500HS HANABI

A compact and self-contained switcher that accepts HD, SD, HDV and DV formats; comes with 10-bit, 4:2:2 internal; features a variety of input/output interfaces, including HD/SD SDI, HD/SD analog, VGA and HDV/DV; connects to HDV cameras or PCs; is multiformat in HD for 1080/60i, 50i and 720/60p.

714-894-3311; *www.for-a.com*

DIGITAL AUDIO MATRIX
TELEX COMMUNICATIONS
ADAM

Employs an AIO-16 input/output card, which offers 16 channels of audio and an individual VOX option per port; the card is also equipped with one data driver per port and can be operated with individual data drivers or in the existing multi-drop mode; with the card, it is possible to implement ADAMs with 272 ports in a single 7RU frame, 512 ports in two frames or 720 ports in three frames.

952-884-4051
www.rtsintercoms.com

AUTOMATION SYSTEM
OMNIBUS SYSTEMS ITX

Replaces the functions of a broadcast master control and playout chain in a single software application; ideal for both SD and HD content; acts as a video server, master control, and graphics, and logo inserter with automation, ingest, editing and basic content management; integrates with video or IT storage to manage video files.

704-319-2231; *www.omnibus.tv*

INTERCOM SYSTEM CONNECTOR
RIEDEL CONNECT SOLO

Designed for connection of intercom systems to the public telephone network; combines two analog POTS telephone hybrids in 1/2RU; allows for two simultaneous connections; is fully compatible with all intercom systems; can be operated directly from the artist control panels or via the integrated keypad and the large graphic display.

818-563-4100; *www.riedel.net*

DIGITAL SNAKE HEAD
FIBERPLEX LIGHTVIPER VIS-4832

Features 16 AES3 inputs (32 audio channels) via two 25-pin D connectors and four AES3 returns (eight audio channels) via one 25-pin D connector, with simultaneous line level analog outputs via a second 25-pin D connector; will pass 96KHz digital data natively; by synching the unit with a 48KHz Word Clock, the system will pass 48KHz digital data as well; capable of passing both RS-422 and 10/100 Ethernet control data with optional accessories.

301-604-0100; *www.lightviper.com*

PORTABLE LIGHTS
PANTHER BROADCAST ROMY SERIES

Have a working voltage of 12V; are focusable and powered either directly off the camera, from an external battery or from the mains transformer; Romy 75 and Romy 100 are dimmable; feature an integrated diffusion filter and either a four-pin XLR plug or an Anton/Bauer plug.

+49 89 613 900 01; *www.panther.tv*

WIRELESS INTERCOM SYSTEM
HME PRO850 UHF

Version 3.10 of the intercom system now features an AC850 battery charger that charges up to four BAT850 NiMH rechargeable battery packs simultaneously in three hours; includes a new setup wizard; features frequency agility, a PC and PDA interface, simultaneous dual-channel interface, individual belt pack volume control, and belt-pack channel lockout.

800-848-4468
www.hme.com/proaudio.cfm

FLUORESCENT LIGHT
VIDESSENCE V168-442TT V-BEAM

A 168W unit that produces 2.4X more light using 25 percent less wattage and one-third fewer lamps than the previous V192-632TT V-Beam; is 99.9 percent aluminum with 95 percent reflectance; focuses the light of four 42W triple-tube fluorescent lamps to provide a more powerful, even beam for key lighting in studio applications.

626-579-0943; *www.videssence.tv*

FILM AND EDITING SOFTWARE
AVID MEDIA COMPOSER

For Mac and Windows; new features include motion tracking and stabilization, full-screen video output over DVI and HD editing for Mac OS X Tiger systems; combines HD, SD, DV and film formats and resolutions without rendering.

800-949-2843; *www.avid.com*

DMX LIGHTING
KINO FLO MEGA4BANK DMX

Can harmonize light levels in a fixture array or switch tubes independently of one another from a DMX control board; the system includes a fixture, mounting plate, extension cable and Mega4Bank DMX Ballast; the Ballast operates 4Bank fixtures, double fixtures, single fixtures and the company's Blanket-Lite; is designed to run on high output 8ft and 6ft True Match lamps.

818-767-6528; *www.kinoflo.com*

TECHNICAL FURNITURE SYSTEM
TBC CONSOLES INTELLITRAC

Front and rear device tracks allow unlimited lateral positioning of critical monitors; rack bay turrets may be easily upgraded or relocated, allowing quick, user-friendly modifications; a full range of articulating arms for distance, height and tilt control may be used for mounting flat-panel monitors, speakers, phones and task lighting.

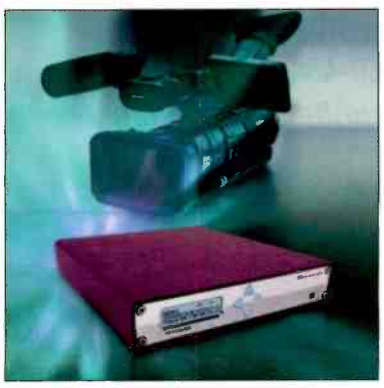
631-293-4068; *www.tbcconsoles.com*

WORKSTATION
DVS CLIPSTER

Real-time workstation has multi-resolution, zoom and pan, conforming, color-correction, cropping and versioning capabilities; software supports workflows for dailies and various compressed formats, such as JPEG 2000, WM-9 and QuickTime; employs technologies such as 64-bit CPU, operating system architectures and multicore processor support.

818-846-3600; *www.dvs.de*

HDV TO HD-SDI INTERFACE
MIRANDA TECHNOLOGIES HD-BRIDGE DECDXC



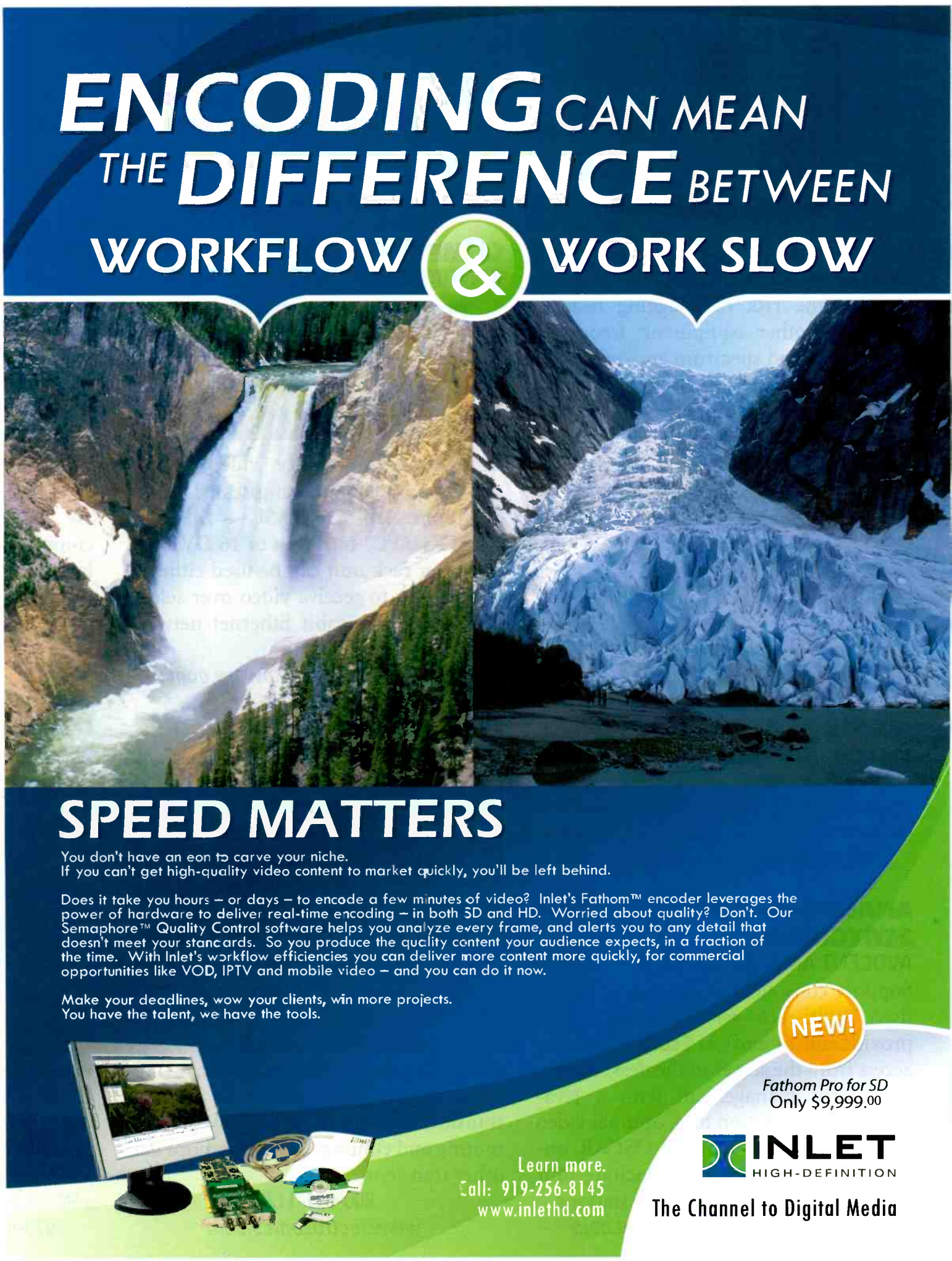
An HDV to HD-SDI interface with ASI input, Genlock and 24p support; the ASI to HD-SDI conversion capability allows long-range monitoring during HDV newsgathering, as well as easy recording and transmission when it is combined with Miranda's ASI-Bridge CAM HDV-to-ASI converter; features a genlock input for broadcast applications, as well as 720p24 HDV to 1080p24 HD-SDI conversion for native 24p production and editing.

561-400-3320
www.miranda.com

SD SWITCHER
GRASS VALLEY KAYAK SD

Designed for organizations that want to create SD content now and upgrade to HD in the future; features the power of a Kayak HD system; can be made HD-capable via an easy software upgrade.

503-526-8150
www.grassvalley.com



LOUDNESS METER
DOLBY LM100
Enables users to continuously log short- and long-term speech loudness values in real time, while storing the loudness history data for later analysis; the remote application also includes an event log that allows users to monitor and log several types of input status, alarm and error conditions.

415-558-0200; *www.dolby.com*

HEADSET
HME COMLINK

Wireless digital 2.4GHz headset allows users to work in dark or small locations without the risk of snagging headset cables on other equipment; frequency hopping spread spectrum ensures secure communication through 64-bit encryption; no license required; is compatible with HME's portable DX100 or rack-mounted DX200 systems.

800-848-4468
www.hme.com/proaudio.cfm

UHF ANTENNA
RADIO FREQUENCY SYSTEMS (RFS) SUPERTURNSTILE

An ultra-slim and lightweight superturnstile UHF broadcast antenna; supports the entire U.S. and European UHF bands (470MHz to 862MHz); exhibits pattern ripple of more than +/-01.5dB across the entire UHF band; its low-drag profile underpins the antenna's high wind speed rating and low wind load characteristics.

203-630-3311; *www.rfsworld.com*

ANALOG MATRIX SWITCHERS
AVOCENT AMX MATRIX KVM

Support consolidated control of multi-user, multi-rack server environments; provide end-to-end Cat 5 connectivity for access from the server to the desk; feature full-system management with a Java-based administration tool, optimal video resolution and a patented OSCAR on-screen graphical interface; include four KVM switchers and three user stations.

800-275-3500; *www.avocent.com*

TEST AND MEASUREMENT CONSOLE
HARRIS VIDEOTEK VTM SERIES

The fully customizable, multiformat, multifunction test and measurement consoles enable users to pick from a list of video and audio options to create the ideal precision test instrument for their specific environment; features 1RU chassis, tactile-feel lit controls and intuitive navigation; outputs to any VGA monitor with a Videotek Q-See customizable display.

513-459-3400
www.broadcast.harris.com

COMPACT VIDEO GATEWAYS
CONTROLWARE TVG410 AND TVG420

Send broadcast-quality video via IP networks; adapt uncompressed (SDI) or compressed (DVB/ASI — MPEG-2; MPEG-4/AVC) to IP; up to 16 DVB/ASI ports per rack unit can be used either to transmit or to receive video over selectable fast and Gigabit Ethernet network interfaces.

732-919-0400; *www.cware.com*

PORTABLE WIRELESS RECEIVER
LECTROSONICS UCR401

Has a digital hybrid wireless design that overcomes channel noise by combining digital audio with an analog FM wireless link; features SmartSquelch technology that adjusts squelching behavior; a DSP-generated ultrasonic pilot tone from the transmitter controls the receiver audio muting and eliminates thumps, pops and other transients.

800-821-1121
www.lectrosonics.com

PREPOLARIZED CONDENSER MICROPHONE
SENNHEISER ELECTRONIC EVOLUTION 912

Designed for vocals, acoustic instruments and piano; a companion piece to the Evolution 901 boundary bass drum mic; offers a full-frequency range of 20Hz to 20,000Hz with a maximum SPL of 136dB; features include integrated preamplifier electronics and a vibration-insulated, low-profile design.

860-434-9190
www.sennheiserusa.com

HD MONITOR
MARSHALL ELECTRONICS TFT-MEGAPIXEL
Provides high-pixel density for 10.4in to 3.5in displays in one-, two-, three- and four-screen configurations; newly developed proprietary technology delivers a completely digital image process onto each screen; features improvements in brightness, contrast ratio and viewing angles; configurations are available with HD-SDI, SDI, DVI, component HD/SD and composite video inputs; all models feature screens calibrated to SMPTE/IBU standards for color gamut and color temperature.

310-333-0606
www.lcdracks.com

DIGITAL WIRELESS MICROPHONE TRANSCEIVERS
ZAXCOM TRX900 AND TRX990

Wireless microphones provide integrated audio recording, IFB receivers and time code transmission; record up to six hours of audio directly to a Flash memory card and then transfer the .WAV files to either a PC or Mac for post production.

973-835-5000; *www.zaxcom.com*

ICONIX

The World's Smallest HD Video Camera

What Could You Do With a Dozen?

HD-RH1

Multi-Format:

- ☐ 720p @ 24, 25, 30, 50, and 60 Hz
- ☐ 1080i @ 50 & 60 Hz
- ☐ 1080p @ 24, 25, 30, 50 and 60 Hz
- ☐ 3–1/3" Progressive Square Pixel CCDs
- ☐ Dual Link HD-SDI, DVI-D, and Analog Outputs
- ☐ 14-Bit Quantization

ICONIX Video, Inc. 800.783.1080 **iconixvideo.com**

TV Technology STAR 2006

The Vidy Award 2006

Pick Hit BroadcastEngineering 2006

Television Broadcast Top Innovation Award 2006

24P CAMCORDER

SONY HDW-F900R

Features a compact and light chassis, HD-SDI outputs and new accessory boards for slow shutter, image inversion and down-conversion with 3:2 pulldown; can take advantage of the optional video cache feature of Sony's HDW-730/750 camcorder series; features three 2.2 megapixel CCDs, 12-bit DSP; has the same optical axis as its predecessor model with virtually identical image-making capabilities.

800-686-7669

www.sony.com/professional

DECODER

OMNEON VIDEO NETWORKS MULTIPORT 4000 SERIES

HD MPEG decoders for integrated playback of HD material ingested into an Omneon Spectrum media server; provides one or two independent channels of HD playback.

408-585-5109; *www.omneon.com*

DECODER/DEMODULATOR

MICROWAVE RADIO COMMUNICATIONS MRX4000

When connected to an existing Code-Runner 4 central receiver, the integrated demodulator/decoder leverages existing technology to provide integrated functionality; supports new and old FCC band plans for both analog and digital transmission; full BAS enhancements are available for Code-Runner 2 ENG transmitters.

800-490-5700;
www.mcrbroadcast.com

MODULATOR

RADYNE TIERNAN DM240XR

Digital video broadcast modulator has data rates up to 120Mb/s for DVB-S2 and up to 238Mb/s for DVB-S; offers QPSK, 8PSK and 16QAM operation; features built-in ASI; new FPGA device is included for quicker and simpler engineering design; features a built-in M&C for field upgrades.

602-437-9620

www.radynecomstream.com

VIDEO DISK RECORDER

DOREMI LABS V1-HD

Records and plays back HD video, SDI and HD-SDI video I/O; employs high-quality JPEG 2000 video compression at up to 300Mb/s; drop-in replacement for HD VTRs; features an independent record-and-play option for time delay and sports slow-motion applications.

818-562-1101

www.doremilabs.com

MEASUREMENT DEMODULATOR

Z TECHNOLOGIES DM1010

Features NIST traceable RF measurement of signal strength, spectrum display with a new direct readout of shoulder energy for compliance with the FCC mask, ATSC modulation measurements for transmitter setup, and a new transport stream viewing option for DTV data content monitoring.

503-614-9800; *www.ztechnology.com*

Competition for viewers is greater than ever. MPEG-4 AVC encoding from Scientific Atlanta delivers a winning performance.

- **Superior video coding/quality** — 50 percent improvement over MPEG-2.
- **Bandwidth efficiency** — More channels over existing bandwidth.
- **Reliability** — Maximum service availability.
- **Bandwidth use** — CBR and VBR encoding.

HDTV MPEG-4 AVC Encoder — Model D9054™

www.scientificatlanta.com/compete

Scientific Atlanta
A CISCO COMPANY

CONTENT DELIVERY PLATFORM

HARRIS H-CLASS CONTENT DELIVERY PLATFORM

Offers platform-based advantages, including content management and sharing, intra-application messaging, increased security and scheduling functionality; management of content assets, associated metadata and content relationships enables the delivery of rich media across multiple distribution channels.

513-459-3400
www.broadcast.harris.com

DECODER

RADYNE TIERNAN HD4040

HD and SD decoder offers simultaneous HD/SD, 4:2:2 or 4:2:0; is available in several different configurations; offers video audio front-panel confidence monitors; has up to eight audio channels with analog and digital outputs; includes QPSK as standard with 8PSK and DVB-S2 as options; includes Web-browser control and front-panel video display; upgradable to HD if bought with SD only.

602-437-9620;
www.radynecomstream.com

SD/HD MPEG-4 ENCODER

SNELL & WILCOX MEMPHIS

The compression scheme uses the company's Ph.C phase correlation motion estimation and Prefix compression preprocessing; a new 3RU version is available; can be initially integrated as a conventional encoder into a traditional ingest-for-playout environment and later upgraded into a fully configured ingest workstation for use in an IT-based infrastructure.

212-481-2416
www.snellwilcox.com

DIGITAL CONSOLE

SOLID STATE LOGIC C300

Designed for fast and efficient sweetening and mix creation; addresses the requirements of nonlinear film and TV production; features more than 500 mix inputs and 80 mix busses, with DSP from a single Centuri processor; offers 128-input, multiformat surround monitoring, including compatibility checking; process linking and stacked channel grouping puts stems and groups under one fader; Moxy controller provides real-time, cross-parameter control.

212-315-1111
www.solid-state-logic.com

OUTDOOR TWT AMPLIFIER

MITEQ/MCL MT2300

Weighs less than 32lb; is available for Ku-Band applications at 125W; features an event log and continuous attenuator adjustment in dB; can be customized to include such options as an L-Band block upconverter and an internal linearizer; redundancy is available in 1:1 and phase combined configurations.

630-759-9500
www.mcl.com

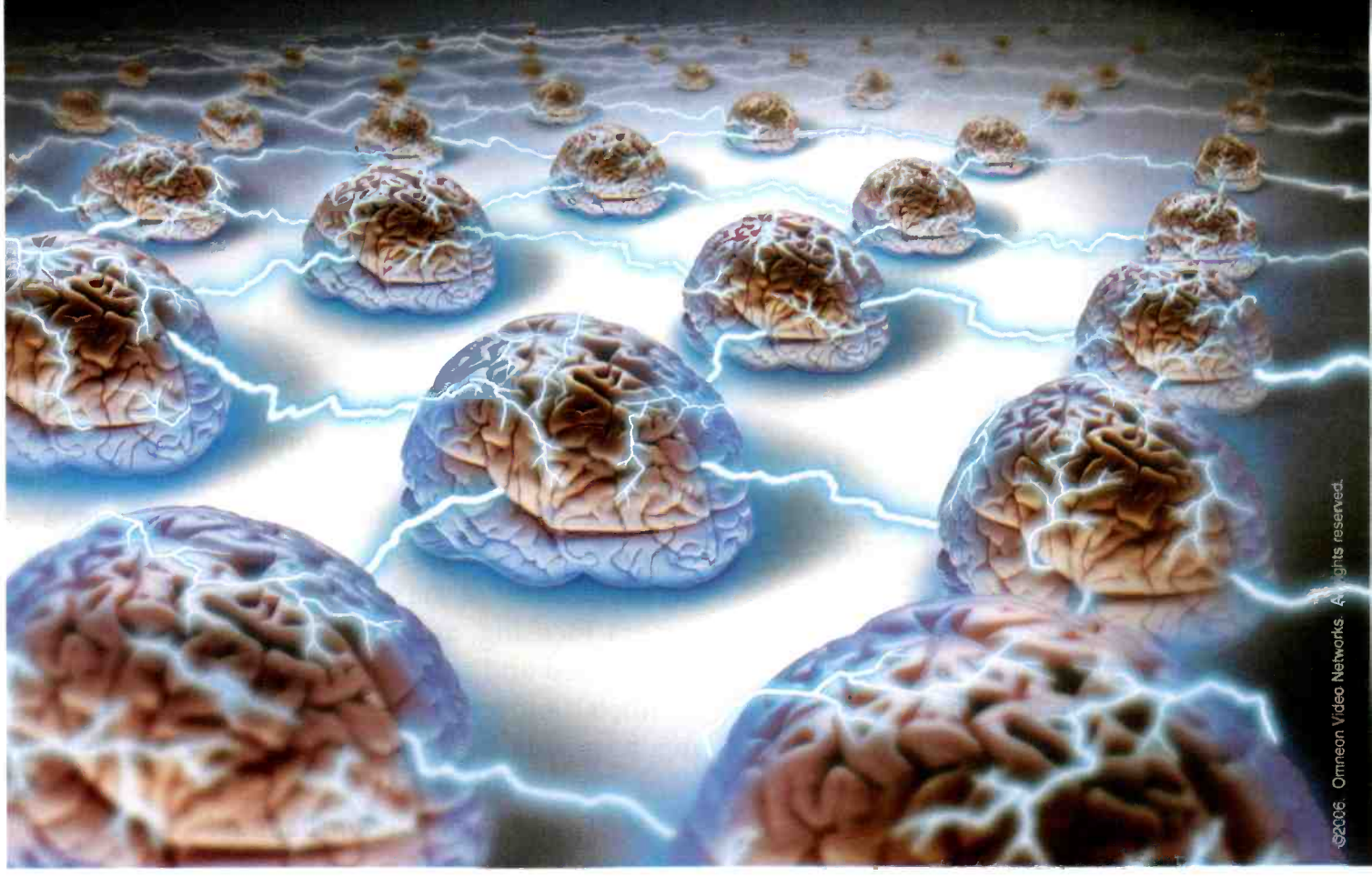
Imagine the productive power of the world's most advanced storage solution.

Engineered after nature's own ultimate active storage system, the Omneon MediaGrid™ content library truly does think for itself. Self-monitoring, self-healing and media-aware, MediaGrid may be more than you ever thought possible from a storage system. With intelligence that helps you access content more quickly, create and work with multiple formats simultaneously and even adapt system bandwidth automatically for high-demand content, MediaGrid delivers breakthrough workflow productivity.

With the introduction of MediaGrid, Omneon unveils the world's first "active storage." Now your content, the processing power to act on it, the network bandwidth needed to access it and the broadcast applications doing the work can all coexist in the same platform. And thanks to an ingenious modular design, future expansion is easy and virtually unlimited. If you've been imagining the world's most advanced storage and processing platform, we'd say great minds think alike.

Talk to one of our systems experts today.
Call +1 866.861.5690 or visit omneon.com.

OMNEON



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MODULAR RECEIVER DECODER

SENCORE ATLAS MRD 3187

Features a 1RU chassis that supports up to two decoders; with eight available I/O slots, can be configured either as a single eight-slot or as two independent four-slot modular receiver decoders; available with a wide range of interfaces, including QAM/8-VSB, DVB-S2, COFDM, 10/100/1000 Ethernet, SD/HD-SDI, NTSC and PAL; features a Web-based client and multicast unit management system.

800-736-2673; *www.sencore.com*

MULTI-IMAGE DISPLAY

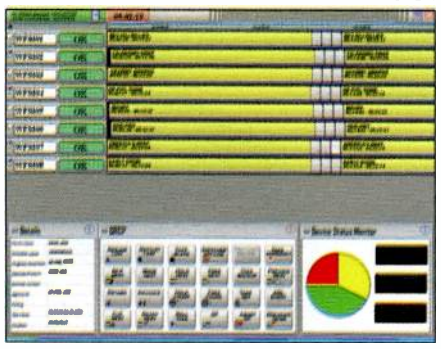
ZANDAR TECHNOLOGIES FUSIONPRO+

Supports all common formats, including composite video, SDI, HD-SDI, as well as RGBHV and DVI computer sources and audio; is highly modular with a range of plug-in interface cards, enabling users to combine formats in one system; includes support for UMDs, tallies, clocks and time code; also includes video, audio and system fault detection, alarms and optional dual-redundant power supplies.

321-939-0457; *www.zandar.com*

MONITOR

FLORICAL SUPERVISORY MONITOR



Enables centralized operations to have a dashboard view of up to 10 channels per monitor in a moving timeline display; the operator can control channels and troubleshoot problems using SNMP.

352-372-8326; *www.florical.com*

DIGITAL NEWSROOM SYSTEM

JUSTEDIT VSNNEWS

News management system allows text and video to be edited in the same application; integrates the rundown planning and assigning of resources, text editing, material ingest, storage and cataloging, archive integration, and shared editing of video and audio with voice-over from journalist workstations, graphics in real time and the automatic publication of news on the Web; integrates with most NLEs.

+34 902 35 37 39; *www.vsn-tv.com*

LCD MONITOR

ERG HDM-EV30D

6in monitor has two systems of video input: HD-SDI and analog HDTV or SDTV; active LCD area has a 960 x 540 resolution and can display 16.77 million colors by having 8 bits per RGB; displays images when receiving signals from the HDTV 1080; has a large-size tally signal light placed on the frontal upper region of the monitor; color temperature controls are at 6500K and 9300K; features a wide variety of marker indicators.

949-263-1640

www.erg-ventures.com

HD/SD LCD MONITOR

PANASONIC BT-LH2600W

26in monitor features a wide-screen panel, one-piece design, high resolution, low delay and standard HD-SDI/SDI with embedded audio; features increased resolution (1366 x 768), pixel mapping of any of five areas of the screen for superior camera focusing, audio level meters superimposed and translucent (up to eight channels), and an 80 percent (of 4:3) safe-area frame marker in 16:9 mode.

201-392-4127

www.panasonic.com/broadcast

AUDIO ANALYZER

ROHDE & SCHWARZ UP350

Offers a frequency range up to 80kHz; provides digital audio interfaces; features the capability to measure the digital audio protocol and digital sampling rate.

410-910-7800

www.rohde-schwarz.com

HDTV LENS

CANON DIGI SUPER100XS

The Advanced Focus version of the DIGI SUPER100xs HDTV long field lens; enables camera operators to instantly achieve exact focus at all times; provides full HDTV image quality while implementing control of focal length from 9.3mm to 930 mm (1860mm with extender).

516-328-5000

www.canonbroadcast.com

ATSC TRANSMITTER

HARRIS PLATINUM

Complete with an integrated Harris eCDi enhanced network control and monitoring system in a PowerCD transmitter; allows the transmitter to be added to a TV station's modern network infrastructure, such as a facility-wide SNMP network, without the need for an external box; the cabinet also houses a Harris Apex exciter and transmitter control; designed for simple field upgrades; users can implement analog-to-digital upgrades in the field by simply swapping out the older control cabinet.

513-459-3400

www.broadcast.harris.com

MULTIFORMAT, DUAL-CHANNEL HDTV PROCESSOR

TV ONE C2-7300

Features full HD-SDI multichannel audio processing; supports most bi-directional analog-to-HDTV conversions; fits within a compact 1RU enclosure; provides 32 channels of stereo audio processing, which allows for simultaneous embedding of eight stereo audio channels for each of the two HD-SDI inputs and de-embedding of eight stereo audio channels from each of the two independent HD-SDI outputs.

800-721-4044; *www.tvone.com*

UTAH-400

It Just Keeps Getting Better ...and Better

The UTAH-400 High-Density Digital Routing Switcher, already the world's most advanced switcher, now offers even more:

Automatic crosspoint redundancy in all matrix sizes
The UTAH-400 allows you to protect your critical signal paths against interruption with *AUTOMATIC* internal redundancy.

Three Frame Sizes -- 64x64, 144x144, and 288x288
You can use the UTAH-400 for any digital router application from the smallest utility router to the largest central matrix.

In any size, all UTAH-400 systems offer the same set of world-class features -- and the industry's lowest prices:

- Full time Input / Output Signal Monitoring
- Reduced Power Consumption and Rack Space Requirements
- SD/HD Compatibility
- Fiber Optic I/O Option

TEN YEAR WARRANTY

UTAH SCIENTIFIC

New Directions in Digital Switching

4750 Wiley Post Way, Suite 150, Salt Lake City, UT 84116 USA
Ph: 801.575.8801 • Fax: 801.537.3099 • Email: sales@utahscientific.com

WEB-BASED PUBLISHER

ANYSTREAM AGILITY WEB

Features load-balanced batch encoding capabilities, supporting numerous format versions and content volume; supports mobile formats and network distribution profiles, including Nextreaming and AMR narrowband audio for new-generation handsets and turnkey distribution profiles that deliver media to mobile service providers.

202-661-4665; *www.anystream.com*

CAMERA BATTERIES

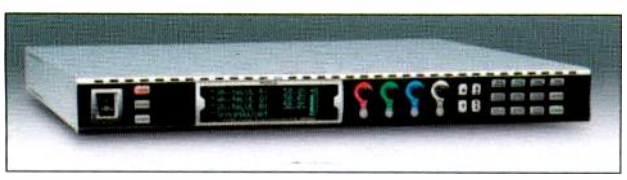
IDX TECHNOLOGY ENDURA

The four new Li-Ion V-Mount battery packs include the 98Wh E-10 (with PowerLink) and E-10S, as well as the 71Wh E-7 (with PowerLink) and E-71S; the PowerLink system allows two E-50/E-80/E-10 V-Mount batteries to be stacked together on a camera back, allowing for longer run times and on-camera lights without a battery belt; fit directly onto cameras with the wedge style V-Mount already built in or may be affixed directly to other cameras by adding an IDX V-Mount plate.

310-891-2800; *www.idx.tv*

HD/SD SIGNAL PROCESSOR

FOR-A FA-9000



Supports all formats, including HD, SD, analog, digital and audio; uses 12-bit internal processing for high-quality images; functions include an up- and downconverter and color corrector; median-based noise reduction, a logo generator and a Dolby E decoder are provided in 1RU.

714-894-3311; *www.for-a.com*

DIGITAL AUDIO CONSOLE

WHEATSTONE D-12

Delivers the same feature set of the much larger D 5.1 television console but in a smaller package; features include 5.1 surround inputs, outputs and monitors; internal signal routing puts any source to any fader.

252-638-7000; *www.wheatstone.com*

POWER AND LIGHT PACKAGE

PAG POWER

Designed for the JVC HD100 camcorder; extends run time by enabling the use of 12V to 14.8V PAGlock ENG batteries; PAGlok power adapter is fitted to the rear of the camcorder; incorporates a built-in DC adapter and a power output port suitable for the 12V PAGlight M or other 12V accessories.

818-760-8285; *www.paguk.com*

HDTV STUDIO LENS

FUJINON HA27X6.5ESM

Features a long focal length and an extremely wide viewing angle, magnification up to 27X and the widest angle at 6.5mm; features high optical performance, reduced flair, improved color balance, a reduction in operating noise, and a smaller size and weight than previous models; is available with Fujinon's Precision Focus Assist, which automatically corrects minute focus errors.

973-633-5600

www.fujinonbroadcast.com

ROUTING SWITCHERS

PESA SWITCHING SYSTEMS CHEETAH

The 128NE offers a 128 x 128 routing matrix requiring one power supply of less than 600W to drive the compact 7RU system; supports PESA's Matrix WatchDog redundant crosspoint matrix; the 11RU 128XE offers the flexibility to select between a 128 x 128 configuration with output options or output expansion up to 128 x 256 without option slots; the 128WE, also in 11RU, supports a 128 x 128 configuration with all output options available and support for Matrix WatchDog.

800-328-1008; *www.pesa.com*

VIDEO CONTENT MANAGEMENT AND DISTRIBUTION

BITCENTRAL MEDIAPIPE

Integrates broadcast, satellite-over-IP and MPEG file technologies; a robust software platform that facilitates the management and distribution of video via satellite in commonly accepted digital file formats, such as MPEG-1 and MPEG-2.

800-214-2828

www.bitcentral.com

SD/HD VIDEO PRODUCTION SWITCHER

SNELL & WILCOX KAHUNA

New features include compact versions of the 1M/E, 2M/E and 3M/E control panels, as well as a micro control panel; the new compact 2M/E and 3M/E panels enable users to integrate the switcher in space-constrained environments; the new 1M/E and micro panels provide the ability to have a specialist operator control the output from larger systems during a live event or to operate specialized equipment such as the Kahuna IMPAKT DVE.

212-481-2416*www.snellwilcox.com*

BATTERY ADAPTER

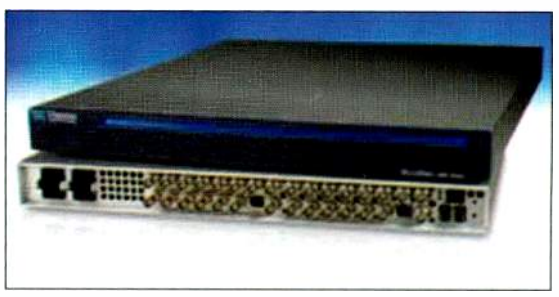
IDX TECHNOLOGY A-E241

The ENDURA V-Mount dual battery adapter offers more power, higher current-draw and longer run time for HD and cinematographers; allows up to four ENDURA V-Mount batteries to be mounted at once for up to 392W of power using IDX's PowerLink; its slim design reduces the camera's profile; its durability ensures a solid connection between the equipment and batteries.

310-891-2800; *www.idx.tv*

HD MEDIA SERVER

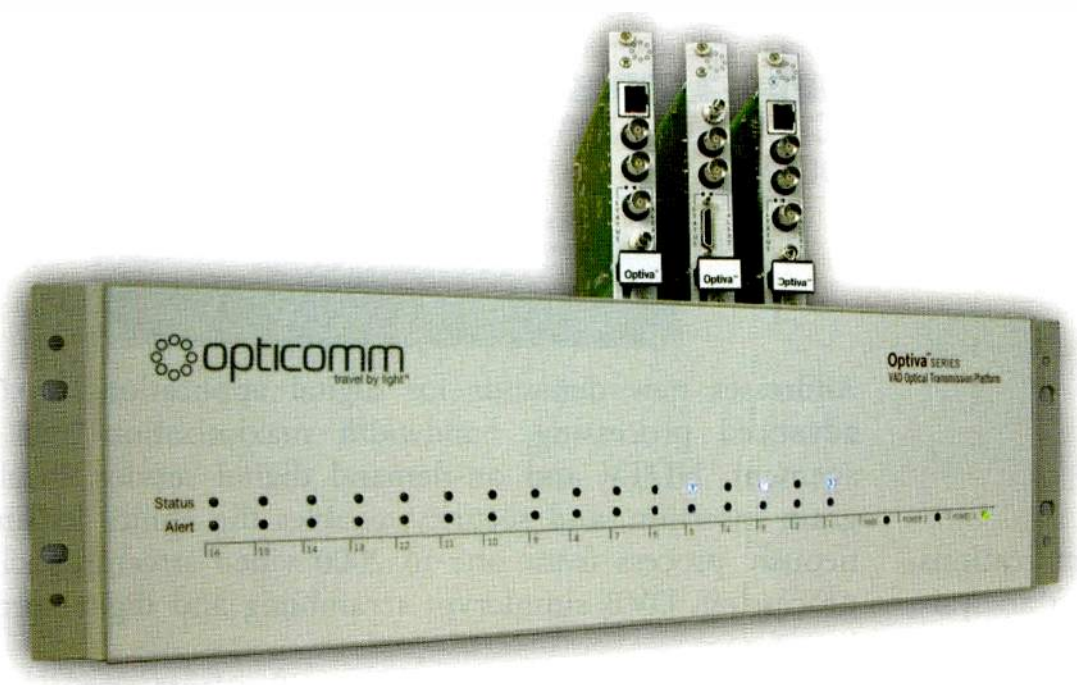
OMNEON VIDEO NETWORKS SPECTRUM HD



Features integrated capability for the simultaneous playback of SD and HD content on either the same channel or independent channel; HD MediaPort playout modules can support one or two channels of HD MPEG playout of 4:2:0 and 4:2:2 material at bit rates up to 78Mb/s.

408-585-5109; *www.omneon.com*

You Configure It.
We Build It.



Optiva™

Configurable Fiber Optic Communication Systems

From Opticomm

The Product Configurator lets you design a fiber optic transmission system to your precise needs. In one short visit you can select the exact signals you wish to transport, the optics and connectors you need, and the most suitable housing unit. You even get a comprehensive diagram of the system you created, all at the touch of a button.

The Optiva™ series of fiber optic systems are digital, laser-based multiplexers with optional combinations of various video, audio and data signals. Optiva™ systems utilize daisy-chain multiplexing to optimize bandwidth allocation. Anywhere from one to hundreds of channels can be transmitted over a single optical wavelength, where required.

All Optiva™ systems can be controlled and monitored using the SNMP-based OptivaView™ Network Management Suite.

All transmission is broadcast quality, without compromise.

Design your own system online at www.opticomm.com

Select from any of the following protocols to transport over multi-mode or single-mode fiber:

Video

Composite (NTSC/PAL/SECAM)

Studio Composite (NTSC/PAL/SECAM)
(12-Bit Processing)

SDI

HD-SDI

DVB-ASI

S-Video

Audio

Analog
(Balanced and Unbalanced)

Digital AES/EBU

Data

10/100 Ethernet

RS-232

RS-422

RS-485 (2 or 4 wire)

Contact Closure

See Opticomm's pre-configured systems for transmission of additional protocols.
(such as VGA & DVI)

opticomm
travel by light™

800.867.8426 | www.opticomm.com

SDI-TO-IP GATEWAY

NETWORK ELECTRONICS SDI-IP-GTW

Allows for the transmission of uncompressed SDI over IP networks, as well as the real-time contribution and distribution of SDI over WAN, where access to dark fiber or wavelengths is limited; provides standard compliant SDI-over-IP transport in accordance with Pro-MPEG Code-of-Practice #4.

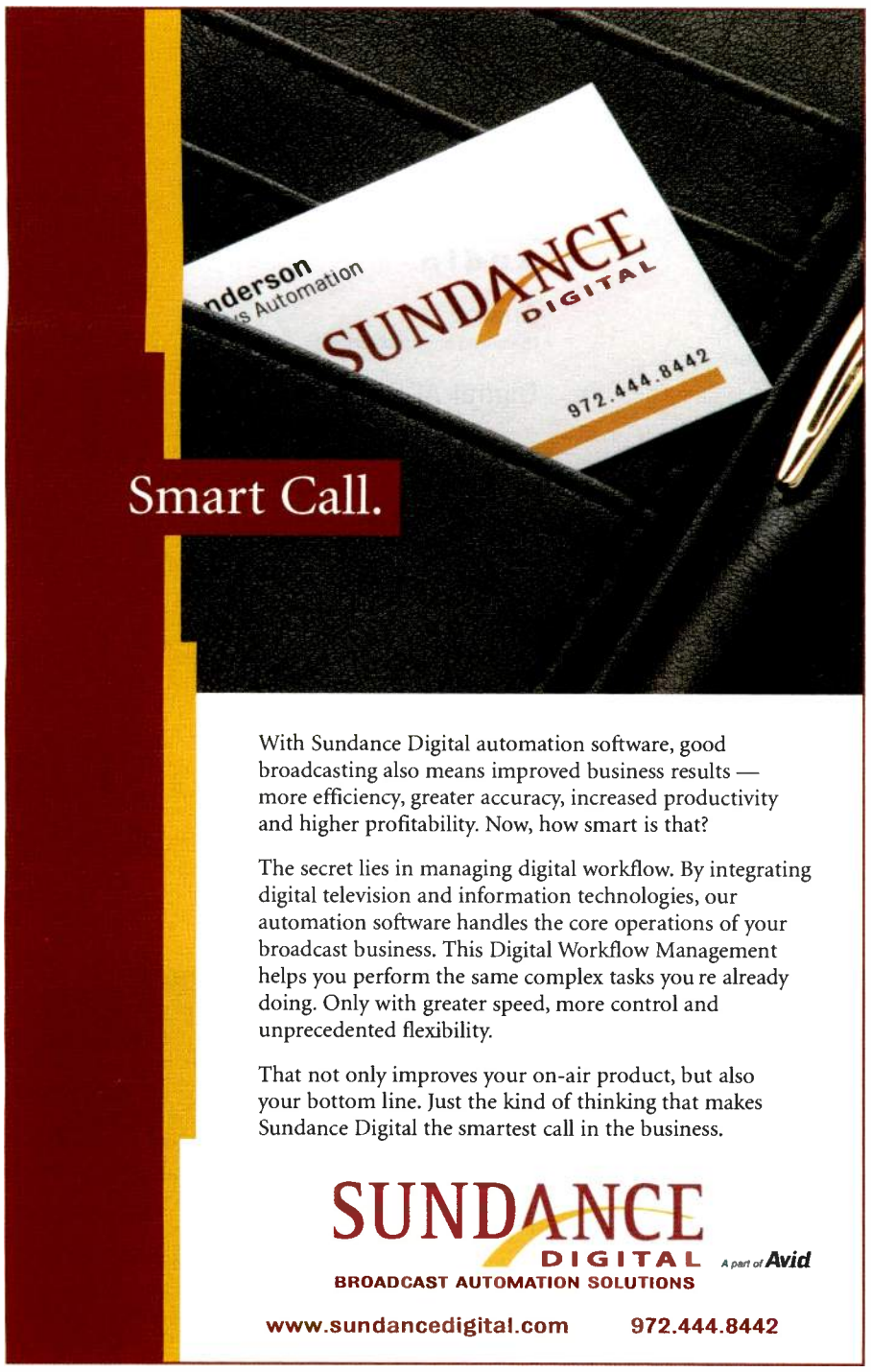
800-420-5909; *www.network-electronics.com*

VIDEO DIGITAL RECORDER

FAST FORWARD VIDEO VDR 200

Offers simple operation in broadcast-quality video applications, including video assist, location recording and video analysis; features an AC/DC power option; records to a removable 2.5in IDE drive; can serve as a direct replacement for tape-based recording systems.

949-852-8404; *www.ffv.com*



FULL DUPLEX TRANSPORT

STREAMBOX SBT3-7400 ACT-L3

The bidirectional, full-featured, low-latency encoding and decoding conferencing solution uses Streambox's ACT-L3 codec with advanced IP networking capabilities; features 24/7 plug-and-connect real-time transport capabilities that deliver high-quality full-motion, full-frame interlaced broadcast video and audio; the full duplex encoder and decoder system enables the user to send and receive video and audio simultaneously.

206-956-0544; *www.streambox.com*

MPEG-2 VIDEO PROCESSING PLATFORM

SCIENTIFIC-ATLANTA DIGITAL CONTENT MANAGER (DCM)

Addresses new demands for digital applications, including advanced processing, bandwidth maximization and management, HDTV and on-demand digital service, local program insertion, and security; enables the ability to simultaneously process from one to 2000 video streams, including processing, DVB simulcrypt scrambling and digital program insertion.

770-236-6609; *www.scientificatlanta.com*

MPEG-4 ENCODER

SCIENTIFIC-ATLANTA D9054

Equipped to support the delivery of IP video streams; provides encoding capabilities for delivering IP video in twisted pair/DSL environments; supports multiple applications, including IPTV, contribution, DVB-T and xDSL; using AVC, operators can maintain high video quality, even at bandwidth-saving low bit rates.

770-236-6609; *www.scientificatlanta.com*

ROUTER CONTROL SYSTEM

NVISION NV9000-SE

Features a new Java-based, easy-to-use client interface; portable configuration editor allows users to develop configurations offline and upload to the server; new optimized wizards provide a flexible means of adding devices and tasks; bulletproof redundancy assures uninterrupted 24/7 operation.

530-265-1000; *www.nvision.tv*

LCD DISPLAYS

BARCO LC-42 AND LC-47

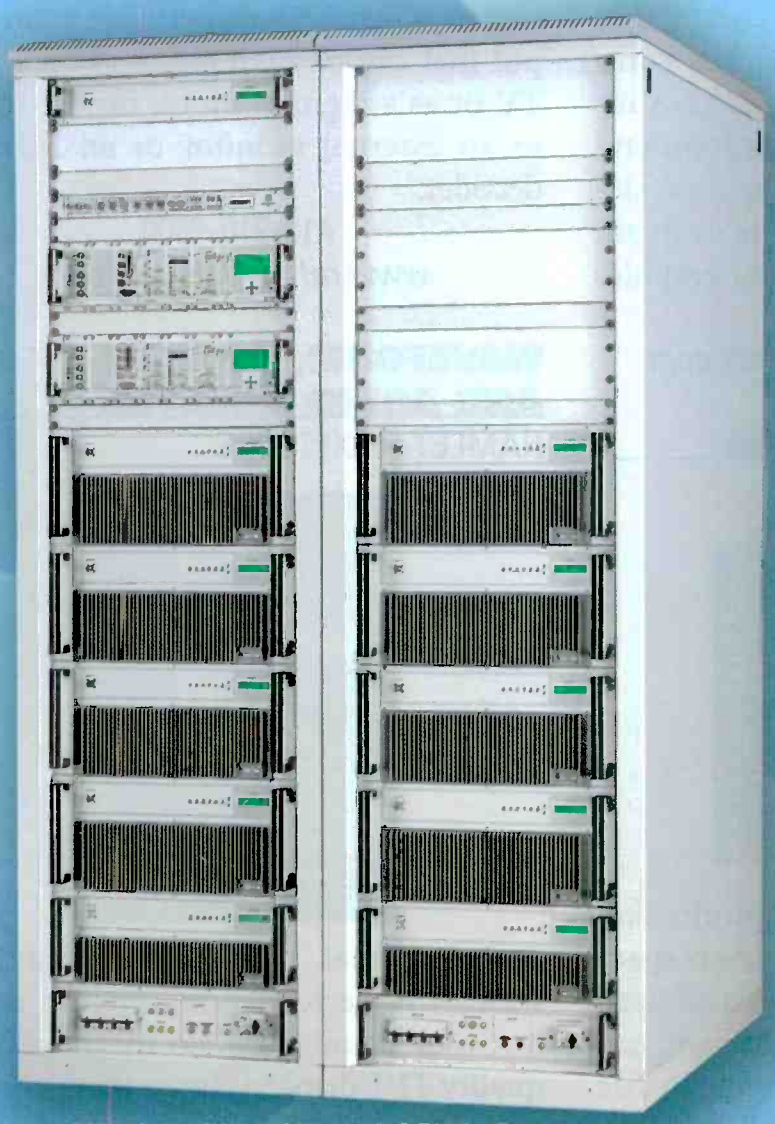
LCD displays feature full HD resolutions (1920 x 1080) and large display sizes (42in and 47in diagonal); are compatible with a wide variety of signal sources; are capable of showing analog and digital video, as well as data content, in sequence or picture in picture; feature a fanless design for low noise, frame lock and low-power consumption; accept 1080p signals.

678-512-6100; *www.barco.com*

Screen Service

BROADCASTING TECHNOLOGIES

The widest product range
on the market.
The most competitive price.
Screen Service unsurpassed
reliability.



Mod. DBT 203UM - 5KWrms/20KWps - DVB-T/H/PAL Transmitter
Mod. DTT 203UM - 6KWrms/20KWps - ATSC/NTSC Transmitter

ENCODING & MULTIPLEXING

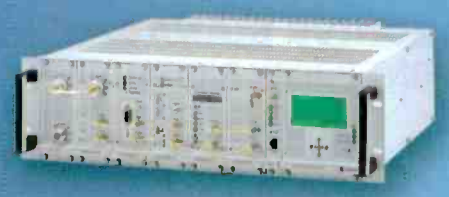
- ENCODER
- MULTIPLEXER
- REMULTIPLEXER
- MIP INSERTER
- DECODER

DIGITAL TRANSMITTERS

- DUAL MODE ANALOG/DIGITAL
- SFN & HIERARCHICAL MODULATION
- DVB-T, DVB-H, ATSC

TRANSPOSERS & GAP FILLERS

- DVB-H CITY FILLER
- DUAL MODE with AUTOMATIC ANALOG/DIGITAL SWITCHING
- AUTOMATIC DIGITAL ECHO CANCELLER



MICROWAVE LINKS

- QPSK, QAM MODULATION
- FROM 1 to 24 GHz
- FIXED and MOBILE
- COFDM CAMERA RADIO LINK

Screen Service

● SCREEN SERVICE BROADCASTING TECHNOLOGIES S.p.A.
Via G. Di Vittorio, 17 - 25125 - BRESCIA - ITALY
tel. +39 030 358 2225 - fax +39 030 358 2226
e-mail: info@screen.it - www.screen.it

● SCREEN SERVICE AMERICA LLC
6095 NW 167th Street, Suite D-10 Miami, FL 33015
tel +1 (305) 826-2212 - fax +1 (305) 826-2290
USA Toll Free 1-888-522-0012
info@screenservice.net - www.screenservice.net

MULTI-IMAGE DISPLAY PROCESSOR
MIRANDA KALEIDO-ALTO HD

Features multiple new HD monitoring capabilities; now offers advanced video and audio probing, including signal black, freeze and luminance too high, audio presence, overload, mono and out of phase alarms; the alarms can be reported on-screen or via SNMP to other monitoring devices; can be combined with the new Allegro RGB real-time MPEG-4 streaming encoder to provide 10-channel remote monitoring and production over IP.

561-400-3320; *www.miranda.com*

HD/SD-SDI UP-, DOWN-, CROSSCONVERTER
SNELL & WILCOX IQUDC

Converts SD-SDI signals to HD-SDI and vice versa and crossconverts HD-SDI signals of the same frame rate; features a fixed-mode aspect ratio converter and closed-caption support for analog line 21 formats; completes the transition between analog and HD video; provides SD/HD flexibility for handling multirate broadcast operations or variable I/O situations.

212-481-2416; *www.snellwilcox.com*

ARCHIVE MANAGEMENT
FRONT PORCH DIGITAL DIVAWORKS

Combines a dual CPU server, 2TB of nearline storage and a 10-cassette data tape library, all operating under control of DIVArchive software; tape externalization is available, allowing the customer to expand the capacities far in excess of the internal capacity of the library; tape import/export functionality allows for easy transport of content between systems located at different facilities on a tape-by-tape basis.

303-440-7930;*www.fpdigital.com*

RECORDER
SONY XDCAM HD PDW-1500 COMPACT DECK

A half-rack size recorder; suitable for nonlinear and linear editing; offers high-speed data transfer capability between compatible nonlinear editing devices; equipped with an RS-422A nine-pin interface; fits well in linear editing systems as a feeder; brings added benefits of nonlinear disc recording into linear editing environment; features MPEG IMX/DVCAM and Proxy AV Data recording, as well as high-speed file transfers.

800-686-SONY

www.sony.com/professional

AUTOMATED VIDEO SIGNAL ANALYZER
TEKTRONIX VM5000

New VGA option automates video signal analysis and VESA standards compliance testing for analog RGBHV signals communicated via VGA, DVI-I or DVI-A interfaces; speeds product verification and compliance testing for PC graphics devices and components; delivers in-depth performance feedback for PRC graphics R&D.

800-833-9200; *www.tektronix.com*

DIGITAL VIDEO ROUTER
NVISION NV8288

Designed for use in video production trucks and other applications where space is limited; built for HD; supports all standard SD data rates; is ASI-compliant; can be configured for systems ranging in size from 12 x 12 up to 288 x 576; all modules, including power supplies and cooling fans, are front-serviceable and hot-swappable; runs at data rates up to 1.5Gb/s; engineered to be 3Gb/s-capable for future signal formats such as 1080p HD.

530-265-1000; *www.nvision.tv*

VIDEO CAPTURE CARD
AJA KONA 3

For SD, HD and dual-link 4:4:4:4 HD for PCI Express Apple G5 Power Macs and Final Cut Pro; features a four-lane PCI Express bus interface with integrated QuickTime drivers; captures and plays back uncompressed 10-bit and 8-bit digital video and 24-bit 48kHz digital audio.

530-274-2048; *www.aja.com*

PORTABLE TV ANALYZER
ROHDE & SCHWARZ FSH3-TV

Offers all the functions and features of a spectrum analyzer, combined with the functions and features of an analog and digital TV test receiver; comes equipped with a preamplifier, tracking generator and TV module that permits the analysis of analog and digital TV signals and their demodulation; the demodulated video signal, which is made available at an output that can be used either as an analog TV or as a digital output, can be routed to an external monitor or an MPEG-2 decoder.

410-910-7800

www.rohde-schwarz.com

WAVEFORM, VECTOR AND AUDIO MONITOR
HAMLET FLEXISCOPE

A multiformat, multistandard handheld waveform, vector, audio, picture monitor; uses a built-in 3.5in diagonal high-quality TFT display; shows the picture in 4:3 or 16:9 formats; displays conventional waveform, vector and audio displays together with data analysis; easy to plug-in input option modules allow operation in all current formats and enables future standards to be accommodated.

+44 1494 729728; *www.hamlet.co.uk*

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PO Box 993 Grass Valley CA 95945 USA

LOSSLESS AUDIO TECHNOLOGY
DOLBY TRUEHD
Designed to take advantage of HD optical disc formats; features end viewer performance equal to high-res recording studio masters; allows viewers to experience multichannel surround sound as the codec provides support for all of the new speaker locations designated by SMPTE for digital cinema applications.

415-558-0200; *www.dolby.com*

HIGH-RES MONITOR SPLITTER
DAYANG MAGICWALL 5000 SERIES

Has auto-sensing analog/SDI inputs and switchable dual 1600 x 1200 pixels DVI outputs with integral de-interlacing; supports 16- or 32-channel SDI video with embedded audio; two- or four-channel audio level can be displayed alongside each image; features network/GPS-sourced time and countdown display, under-monitor display with automatic ID prompt, and a hard disk recording function.

+ 44 1234 271 053; *www.dayang.com*

HD/SD TEST SIGNAL GENERATOR
DK-TECHNOLOGIES PT8612

Is a new option for the PT5300 HD/SD VariTime sync generator; offers a test pattern to check lip-sync; the test pattern is based on the EBU Tech 3305 standard and extended to all common HD formats; outputs four independent test signals in 270Mb/s and 1.5Gb/s SDI formats with individual formats and timing.

+45 44 85 02 55
www.dk-technologies.net

BIDIRECTIONAL CONVERTER
BLACKMAGIC DESIGN MULTIBRIDGE EXTREME
Bidirectional A/D and D/A converters allow editor to switch seamlessly between HD and SD material; supports dual-link HD-SDI 4:4:4; converts analog equipment to SDI-based systems by simultaneously converting from D/A and A/D at the same time; supports Windows XP and Mac OS X.

702-257-2371
www.blackmagic-design.com

NEWS EDITOR
QUANTEL NEWSBOX HD

Complete news system; designed to be affordable, convenient and self-contained; arrives with all that is needed to ingest, view rushes, choose shots, edit stories, review finished pieces and play them to air; available in both HD and SD and HD-upgradable configurations.

+1-703-448-3199;
www.quantel.com

SOLID-STATE MEMORY DRIVE
PANASONIC AJ-PCD20

A five-slot P2 solid-state memory drive; the P2 internal/external drive is designed for high-speed file transfer of 25Mb/s DVCPRO or 50Mb/s DVCPRO50 video into nonlinear editing systems and servers; users can mount five 8GB P2 cards at the same time and have access to the contents on all five cards for continuous editing of recorded clips in sequence.

201-392-4127
www.panasonic.com/broadcast

PORTABLE DISC RECORDER
SENNHEISER ELECTRONIC ROSENDAHL BONSAIDRIVE

Captures both high-quality video and multitrack audio; simultaneously handles 4:2:2 PAL or NTSC video signals alongside 10 audio channels; allows users to specify their choice of standard IDE drive, which neatly slots into the unit itself; video is handled in either composite, S-video or component formats.

860-434-9190; *www.sennheiserusa.com*

SDI-TO-ANALOG CONVERTER WITH GENLOCK
ENSEMBLE DESIGNS BRIGHTEYE 15

SDI video input signal is converted to analog composite and then synchronized to the reference signal; analog composite output is timed with respect to the reference, including ScH phase.

530-478-1830
www.ensembledesigns.com

SERVER
SILICON GRAPHICS (SGI) ALTIX 4000

Platform is comprised of modular blades: interchangeable compute, memory and I/O blades, as well as special-purpose blades for plug-and-solve configuration flexibility; the blade-to-NUMAlink architecture enables users to mix and match eight standardized blade choices; is socket-compatible with upcoming single- and dual-core Intel Itanium 2 processors; offers the ability to upgrade or expand the CPU, memory, I/O or visualization capabilities.

800-800-7441; *www.sgi.com*

INTERCOM SYSTEM
RIEDEL ARTIST
Matrices allow all frame sizes to use the same type of controller and client cards, which reduces expansion costs and the need for spare pooling; other enhanced features include increased memory for complex, multi-node installations, optimized cooling concept for quiet operation, and a flexible fiber option that enables users to easily change from multimode, single-mode or high-power.

818-563-4100; *www.riedel.net*

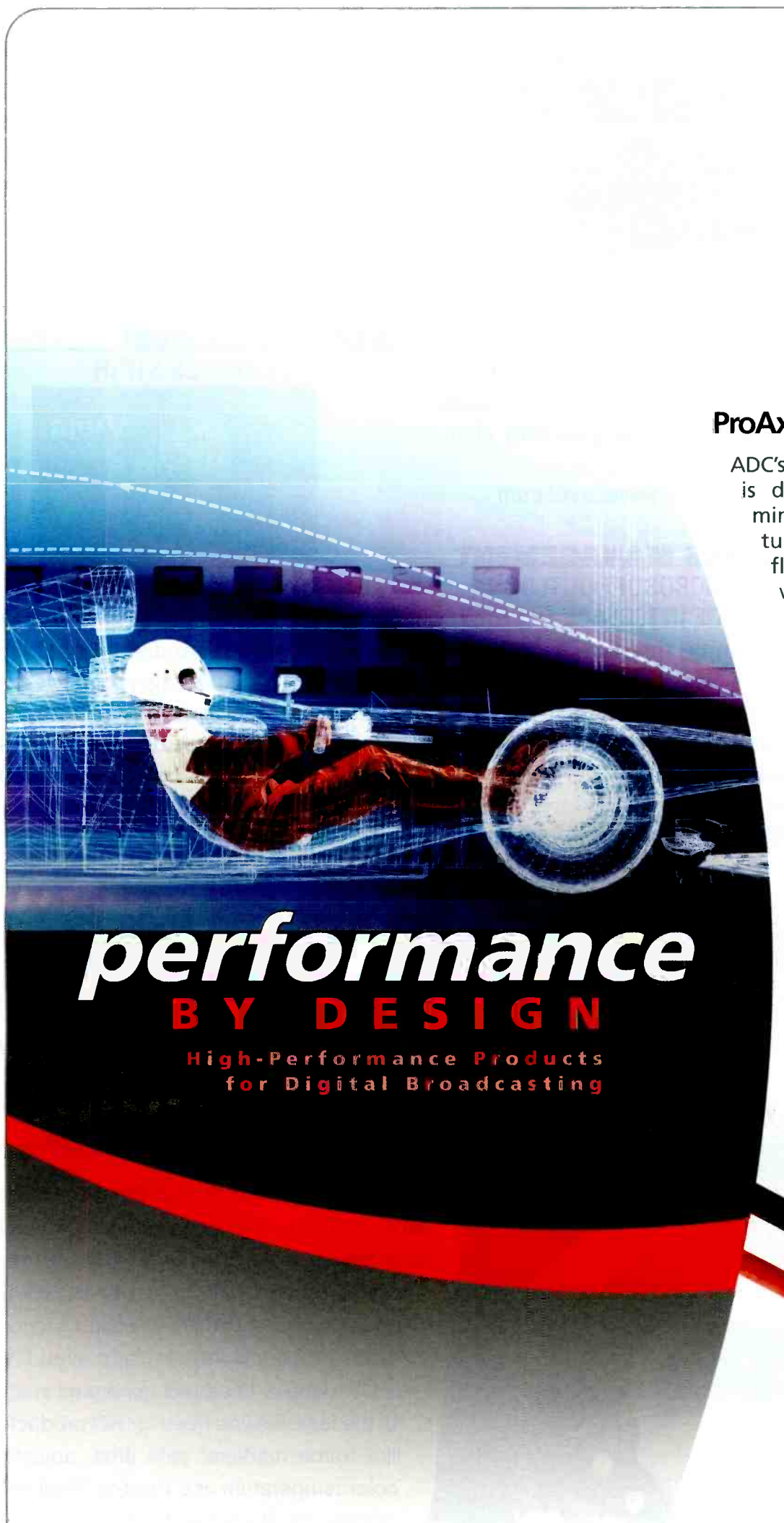
ANALYZER
K-WILL VP21P

Video quality evaluation system analyzes the 720p HD format on a fully automated and real-time basis; uses double-stimulus system that performs detailed, pixel-by-pixel measurement and reference comparisons; debugs encoder/decoder operations; has automatic dubbing, DVD authoring and DVD playback.

310-512-6979
www.kwillcorporation.com

OPTICAL SWITCHING PLATFORM
OPTICOMM OPTILINX OLX-3000
Is capable of switching digital signals up to 4.25Gb/s with any of its 144 ports, all housed in a 4RU chassis; designed to accept up to three modular port cards with up to 48 Small Form Pluggable (SFP) transceiver modules per port card; each SFP transceiver module provides the physical ports for one input-output pair; features include complete optical transparency and full duplex switching capacity up to 612Gb/s.

858-450-0143; *www.opticomm.com*



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SNELL & WILCOX HELIOS

A software-based conversion platform; a combination of the company's Ph.C motion estimation and FormatFusion technologies; runs open-standards IT hardware; converts video, audio and metadata to the required format in a single pass; creates interoperability; distribution module enables content to be repurposed and distributed across multiple delivery platforms, such as iPods and mobile phones.

212-481-2416; *www.snellwilcox.com*

MEDIA CONVERTER
LAIRD TELEMEDIA LTM-6000D

Functions as a standalone audio and video signal converter; delivers video conversion for SDI, DV, component, S-Video, composite, AES/EBU digital audio and balanced analog audio, with simultaneous outputs; control is through a Web-style menu system; features include time-code insertion and a new operating menu system.

845-339-9555; *www.lairdtelemedia.com*

INTERFACE TO MEDIA COMPOSER NLE
AVID MOJO SDI

Media Composer NLE with Mojo SDI interface; handles DVCPRO HD and HDV; handles uncompressed digital SDI I/O and IEEE 1394, component, composite and S-video signals; supports up to eight channels of embedded audio plus four channels of AES/EBU.

800-949-2843; *www.avid.com*

OPERATIONS MANAGEMENT
SCHEDUALL MICROSOFT OUTLOOK AND EXCHANGE INTERFACE

Delivers a simple interface with Microsoft Outlook and Exchange, providing unidirectional functionality; detailed schedule information created can be sent to Outlook calendars, PDAs and mobile text messaging.

303-399-5454; *www.scheduall.com*

PORTABLE SDTV LENS
CANON YJ20X8.5B SERIES

A wide angle of view 2/3in Pro-Video lens; weighs 3.39lb; the wide angle allows a cost-effective compromise for moving between 16:9 and 4:3 aspect ratios; offers a wide focal length of 6mm, a high zoom ratio of 13X and a fast servo zoom speed of 1.2 seconds.

516-328-5000

www.canonbroadcast.com

WEATHER SYSTEM
BARON SERVICES VIPIR

Incorporates severe weather tracking, 96-hour forecast modeling and weather graphics in one package; renderless, real-time presentation makes it quicker and easier to get on-air with only the latest information; features optional aerial mapping and live sensor integration.

256-881-8811; *www.baronservices.com*

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Marshall's new 23-inch High Definition monitor let's you GO NATIVE with 1920 x 1080 digital and analog video. For under $6K you get a loaded package with inputs for HDSDI/SDI, Analog Component YPrPb, S-Video, Composite, XGA from your computer and even DVI-I for HD video or computer generated images. All the features you need for HD production, like frame markers, safe area, adjustable color temperature and Pixel-to-Pixel native display for any video format are included and can be directly accessed without menus. All of this is in a durable all metal compact package with added scratch resistant polycarbonate screen protection that can be rack mounted or used on a desk top.

Marshall Electronics

Tel.: 800-800-6608
Fax: 310-333-0688

LCDracks.com

SIGNAL GENERATOR

LEADER LT428

A compact 1/2RU PAL/NTSC signal generator with three independent black burst outputs; the outputs are independently phase-adjustable, ideal for synchronizing digital devices requiring individual phase timing; can be genlocked to incoming component video, black burst or composite sync.

+31 40 2645345; *www.elquip.com*

8-VSB ANALYZER

MODULATION SCIENCES MSI 4400

Offers results interactively with a PC or laptop, enabling remote access via the Web; functions include tap weight equalizer graphs, eye pattern diagram, constellation display tenability, SNR/MER/EVM strip charting, signal strength metering, bit error rates, data logging, user-configurable alarms and capability for zeroing or freezing the tap weights.

800-826-2603

www.modsci.com

HD UP-, CROSSCONVERTER

EVERTZ 7710XUC-AES4-HD

Is reconfigurable to provide high-quality conversion of SD signals with noise reduction to common 1.5Gb/s HD video formats, high-quality conversion of HD signals to other common 1.5Gb/s HD video formats, or HD to SD downconversion with detail enhancement and gamma correction; features 10-bit processing, two HD serial digital outputs, and one OSD output and external genlock.

905-335-3700; *www.evertz.com*

UHF PANEL ANTENNA

JAMPRO JUHD

Can be configured to provide various azimuth and elevation patterns; by using optional beam tilt and null fill, the elevation patterns can be shaped to maximize coverage; designed as either a side- or top-mount horizontally polarized antenna, it can be configured to include varying levels of vertical polarization, with results ranging from small amounts of elliptical polarization to full circular polarization.

916-383-1177

www.jampro.com

HD CONTROL ROOM SYSTEM

GRASS VALLEY IGNITE HD

Designed to allow broadcasters and video production studios to efficiently and cost-effectively migrate from SD to HD production, leveraging Grass Valley's Kayak HD video production switcher frame; is available with one to four M/Es and up to 32 control ports; is scalable from 24 to 93 video inputs and 24 to 96 audio inputs.

503-526-8150

www.grassvalley.com

The Power of an Eclipse

The new Eclipse family of matrices has been developed using the latest technology to provide broadcast professionals with the most advanced digital matrix intercom on the market. Common frames, panels, and interfaces across the range give flexibility and easy expandability as communication requirements grow

- Powerful, redundant processing
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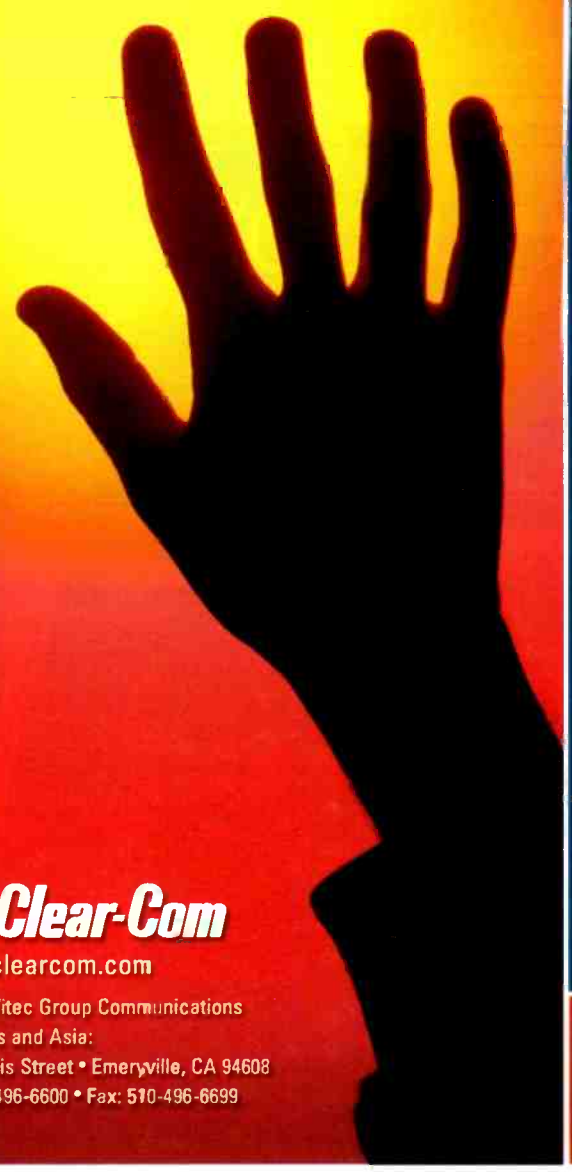
- Unsurpassed audio quality
- Rugged design



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In Your Hand

COAX PATCHING SYSTEM

ADC TELECOM SUPER-HIGH-DENSITY COAX

A high-density patching system designed for AES audio, 5.1 and 7.1 audio applications where coax medium is preferred but space is critical; the 1.5RU panel features 4 x 48 coax ports (96 circuits) with a patent-pending switchable termination feature that allows the user to select or deselect a 75Ω termination function on each circuit pair.

800-366-3891; *www.adc.com*

BNC ADAPTER KIT

POMONA ELECTRONICS BNC ADAPTI

Includes 19 of the most frequently used 75Ω adapters that allow direct adaptation without the need for intermediate couplers; adapters are precision-machined — not diecast — with tarnish resistant nickel plating and high-density PTFE insulation material; the male center pin contacts are gold-plated brass; the female center contacts are gold-plated beryllium copper for connectivity and reliability; the kit comes housed in a pistol-grip case.

425-446-5483

www.pomonaelectronics.com

RASTERIZERS

TEKTRONIX WVR7100 AND WVR6100

Enhancements include eye pattern display, jitter measurements and cable length measurement for HD-SDI and SD-SDI signals; can display eye patterns in three-eye, 10-eye (SD) or 20-eye (HD) mode; display includes numeric readouts of timing and alignment jitter amplitudes.

800-833-9200

www.tektronix.com

WIRELESS MICROPHONE SYSTEM

LECTROSONICS 200

Includes a rack-mount diversity receiver, two compact receivers and two belt-pack transmitters; a handheld wireless mic is also available in Europe in limited quantities; ideal in situations where RF interference is a problem, such as more urbanized areas; the group's receivers are small enough to mount on DV camcorders; features a dual-band compandor for improved audio and tracking front ends with advanced diversity reception to minimize RF interference and maximize range.

800-821-1121; *www.lectrosonics.com*

INTERCOM INTERFACE

RIEDEL CONNECT DUO

Combines an ISDN S0 interface, allowing two simultaneous connections using two ISDN B-channels and an analog POTS telephone hybrid in a 1/2RU device; ideal for mobile units; fully compatible with all intercom systems; easily integrates to Riedel's Artist matrix intercom system; capable of remotely controlling panels via ISDN; can be configured directly from Riedel's Director software or optional Windows configuration software.

818-563-4100; *www.riedel.net*

TWO-CHANNEL CHARGER

PAG V2

Designed for PAG and Sony V-Mount Li-Ion batteries; features a tough but lightweight molded-construction; fits easily into a camera bag, making it ideal for location use; offers PAG ACS software, which is designed to extend the battery cycle life.

818-760-8285

www.paguk.com

ARCHIVE MANAGEMENT

FRONT PORCH DIGITAL DIVANET 2.0

Allows customers to leverage the core power of DIVArchive to provide advanced content replication, disaster recovery and business continuance functionality across multiple facilities; provides a fundamental toolset for advanced content lifecycle control for effective multi-site archive management; designed for users who have multiple DIVArchive site installations.

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508-652-0900

www.genelecusa.com

BACKSHELL

ADC TELECOM PROAX UNIVERSAL SERIES

A new universal backshell for all U.S. format triax connectors; is more than 1in shorter than other products; is easier to terminate than the standard backshell; compatible with the Global weather protection boots.

800-366-3891

www.adc.com

CONNECTORS

FISCHER CONNECTORS1052 SERIES

Triax connectors are compatible with 3/8in and 1/2in 75Ω cables; protect sensitive signals from RFI interference with integral shielding within the connector body; route signals through contacts plated with a minimum of 1µm of gold.

678-393-5400

www.fischerconnectors.com

HD SLOW-MOTION CAMERA SYSTEM

SONY HDC-3300

A multiformat HD slow-motion camera for high-end studio and sports broadcasting; achieves 3X speed slow-motion effects in full HD resolution; can output normal speed signals simultaneously for live feeds through separate digital signal processing; includes three 2/3in high-speed progressive CCDs; enables recording at 1920 x 1080/180i or 150i, as well as 1280 x 720/180p or 150p.

800-686-SONY

www.sony.com/professional

HIGH-SPEED DATA TRANSFEROR

BMS DIGITAL MEDIA TRANSPORT

Offers extended network capabilities to mobile ENG field units using the BMS Truck-Coder II digital microwave system; transmits recorded video files back to the studio while on the air; sends prerecorded program segments as files to the studio over the digital radio link; these files can be sent simultaneously with live video and audio using unused bandwidth capacity.

858-391-3050; *www.bms-inc.com*

PROFESSIONAL VIDEO DRIVE

QUANTUM SDLT 600A

The data tape system is enhanced for professional video; features a tape-based file system and network-attached storage that is MXF-aware; each tape carries its own file system directory, allowing direct drag and drop access by applications on the network without the need for other software.

719-536-5263; *www.quantum.com*

DUAL-CHANNEL UHF ANTENNA

ERI TRASAR UHF

Allows stations with N+1/N-1 or adjacent DTV assignments to share a single antenna; can be top- or side-mounted, or used as a structural member in the company's STACKER optimized antenna structure solution; offers 12 azimuth patterns to choose from; features a maximum of 6MHz per channel for NTSC.

708-570-0663; *www.eriinc.com*

MPEG-4 SD ENCODER

SCIENTIFIC-ATLANTA D9034

Supports both MPEG-2 and MPEG-4 part 10 (H.264) video together with MPEG-4 picture-in-picture video services in the same chassis; features adaptive motion-compensated temporal filtering with PreSightPlus noise reduction and an integrated frame synchronizer.

770-236-6609; *www.scientificatlanta.com*

STORAGE

JUSTEDIT VSNSTORAGE

Shared storage for the entire network supports all the workstations working at full capacity; each video server supports various users editing simultaneously in high-resolution; is equipped with Ethernet Gigabit or Fibre Channel; storage capacity ranges from 100 to 2600 hours in high-res; maximum data security has RAID 0, 0+1, 5 and 6 support, as well as backup power supplies and hot-swappable drives.

+34 902 35 37 39; *www.vsn-tv.com*

HDTV UPCONVERTER

SNELL & WILCOX QUASAR

Uses motion-estimation techniques based on the company's Ph.C technology to produce clear and sharp HD outputs from a variety of SD inputs; combines three Snell & Wilcox technologies in a single compact 1RU package, including Ph.C motion estimation, premium HD upconversion and Prefix compression pre-processing for noise reduction and dropout filtering.

212-481-2416; *www.snellwilcox.com*

PROXY BROWSING SOFTWARE

SONY XDCAM HD PDZ-1

Supplied with all XDCAM products as standard; is used for browsing Proxy AV Data, simple and quick cut editing and registration of metadata on an intuitive GUI; runs on a Window-based compact laptop PC; allows users to storyboard material on-location for better efficiency; supports Ethernet and i.LINK interfaces.

800-686-SONY

www.sony.com/professional

NEWSROOM PRODUCTION SYSTEM

SOLID STATE LOGIC MEDIAWAN

Complete newsroom production system; designed for demanding environments; multiple inputs including HD; preview and job allocation interfaces, editing software for journalists and management tools for producers; asset management database; supports third-party NLE applications, including Sony Vegas and Apple Final Cut Pro.

212-315-1111

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CABLE STRIP TOOL

WHITE SANDS ENGINEERING CPT-7538

Strip tool for used for ASFP, ASFPF, BNCFP and RCAFP connectors; gives the cable a 1/4in x 1/4in strip; strips Mini RG59, Belden 1855A, Belden 7787A, Belden 7789A, Belden 7791A, CommScope 7538, WS940, WS941, WS942, WS943, WS164, WS193 and WS172.

623-581-0331

www.whitesandsengineering.com

WIRELESS MIC TRANSMITTER

SENNHEISER SK 5212

Features infrared wireless synchronization with the company's new NET 1 Network System multichannel wireless hub; can also be used with all of the company's 3000 and 5000 series components; a sturdy metal housing keeps the mini transmitter safe from tough conditions.

860-434-9190

www.sennheiserusa.com

PRODUCTION TOOLS

EVS IP DIRECTOR

A complete software suite; built around dedicated software modules, which feature a fully configurable user interface; combined with the EVS XT server network, it unifies key elements of the production environment and accelerates the migration to a truly tapeless workflow; includes ingest and playout control, logging, asset management, editing, and highlights functions and advanced browsing features.

973-575-7811; *www.evs.tv*

MASTER CONTROL SWITCHER

PESA SWITCHING SYSTEMS MCLITE

A compact, multichannel SDTV master control switcher available with a wide range of processor and control options; features a flexible and open architecture; multiple processors and control panels can be arranged in any combination, with up to eight channels being controlled from a single control panel or from station automation.

800-328-1008; *www.pesa.com*

PORTABLE TESTER

JDSU 40/43G TESTER MODULE

An all-in-one portable tester for 40/43G networks; combines 40/43G optical and electrical interfaces with jitter and wander in JDSU's ONT-506 and ONT-512 testers; technical features include concatenated and fully structured signals for SONET OC-768/ SDH STM-256, OTN OTU-3 (G.709 FEC) with bulk or SONET/SDH client, unframed 39.813Gb/s and 43.018Gb/s BER testing, and complete alarm, error, overhead, and pointer generation and analysis for SONET/SDH and OTN.

317-788-9351; *www.jdsu.com*

AUTOMATION

ETERE

Shares information with all the TV infrastructures; controls all devices that are normally used in any station, such as video servers, audio and video routers, master control/video mixers, logo generators, titlers, cart machines for automatic caching and VTRs; runs on Windows XP computers.

+39 0733 9564

www.etere.com

CONTROLLER

TV ONE CC-300 CORIO CONSOLE

A hardware-based controller for the C2 series of video processor and switching products; features two rows of input selection buttons, a large LCD display and extensive use of both dedicated switches and soft-key switches; features enchanced functions that set up and execute long, complex macro sequences.

800-721-4044; *www.tvone.com*

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SONY FDW-900R

Compact and lightweight chassis; features HD-SDI outputs and new accessory boards for slow shutter, image inversion and downconversion with 3:2 pull-down; three 2.2 megapixel CCDs, 12-bit DSP, digital monitoring outputs; records four channels of AES/EBU digital audio plus four channels of simultaneous analog audio without the use of the HDCA-901 camera adapter.

800-686-7669

www.sony.com/professional

TRANSMITTERS AND REPEATERS

DMT TRANSMITTERS AND REPEATERS

Range includes digital and digital-ready analog models in VHF and UHF bands, with air or liquid cooling; offer 0.1W to 40kW output power; compatible with all types of digital terrestrial TV networks.

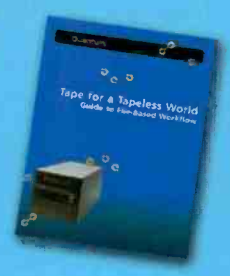
856-423-0010

www.dmtonline.com

FILE-BASED WORKFLOW. NO TIMEOUTS.

With its directly accessible, network-attached, MXF-aware tape-based file system, the SDLT 600A for professional video helps you beat the buzzer every time.

Today, the name of the game in the broadcast and video industry is file-based workflow. The Quantum SDLT 600A is your team's top pick to seamlessly integrate and automate your workflow — from ingest to archive. With MXF-aware performance that accesses valuable metadata, built-in Gigabit Ethernet and faster-than-real-time transfer rates of up to 288Mb/sec, the SDLT 600A will help you run the fast break to a pure digital workflow. To develop a game plan, get your free Guide to File-Based Workflow at www.quantum.com/tape4tapelessworld



Quantum

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VIDEO COMPRESSION TOOL
INLET TECHNOLOGIES FATHOM

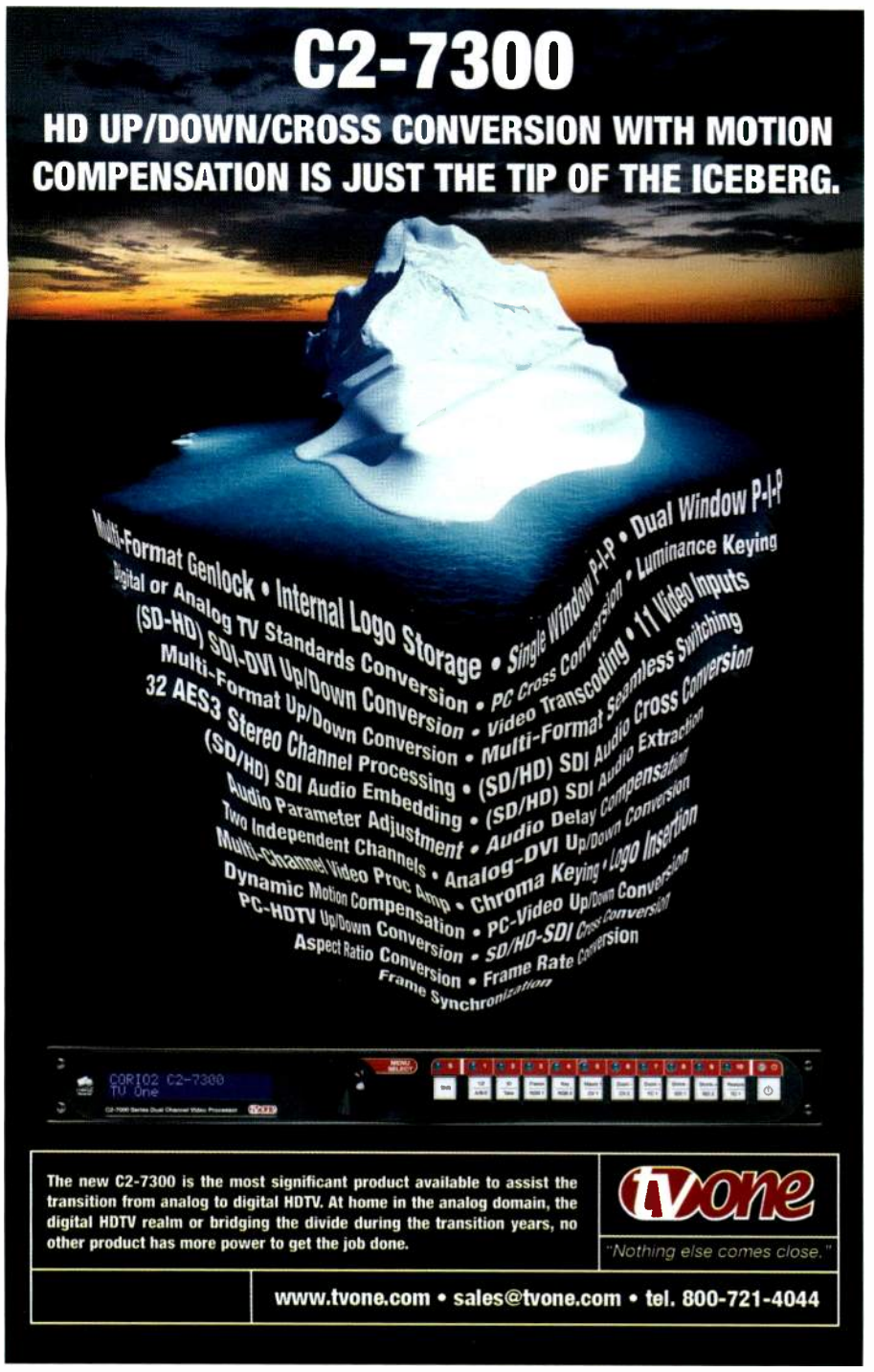
Enables advanced encoding of SD and HD content in real time; software is optimized to integrate with the existing workflow infrastructure of VOD and off-line content creation applications in the post-production market, facilitating the transition to HD; facilitates content creation and distribution with smaller file sizes and higher-quality output in a short amount of time.

919-856-1080; *www.inlethd.com*

RECEIVER
BMS CENTRAL DECODER II

Stable analog and digital central receive site system is easily integrated and operated with a wide variety of central receive site and mobile antenna configurations; enables a continuous operator-free existence while remaining a fully functional remote receive site; features an integrated receiver decoder; automatically detects and adjusts both COFDM and MPEG-2 transmission parameters, data rate and modulation.

858-391-3050; *www.bms-inc.com*



HDTV VIDEO/AUDIO EDITOR
DAYANG D3-EDIT HD8

Supports compressed HD and uncompressed video formats, including 8-bit to 10-bit YUV, MPEG-2I and DVCPRO HD; incorporates all the operating modes and most functions of the existing D3-Edit family; hybrid HD and SD editing is also supported; features hardware-accelerated real-time 3-D page turn, reshaping, graphic pasting and particle effects based on Flex 3-D and Power of X technology.

+44 1234 271 053; *www.dayang.com*

ASSET MANAGEMENT AND ARCHIVE SYSTEM
DALET DIGITAL MEDIA SYSTEMS NEWS LIBRARY

Archives, indexes and distributes news material to broadcasters using MOS-compliant newsroom computer systems, such as Dalet OpenMedia, Associated Press ENPS or Avid iNews; the system's InterWeb option enables remote bureaus and journalists to fully leverage content and source materials.

212-825-3322; *www.dalet.com*

STORAGE SYSTEM
ARCHION SYNERGY PLUS

A full-featured SATA II to FC RAID storage unit designed for networking digital video systems; compatible with Avid's Unity system, including the latest version MediaNetwork 4.1; comes in units from 4TB to 8TB and more, with two ports of 2GB FC; is compatible with Windows, Mac (OS 9 and X, including Tiger), Linux and UNIX.

888-655-8555; *www.archion.com*

HOLOGRAPHIC OPTICAL RECORDING TECHNOLOGY
MAXELL CORPORATION OF AMERICA HOLOGRAPHIC MEDIA

A joint venture with InPhase Technologies; features 300GB storage capacity and a 160Mb/s transfer rate; uses a laser beam to form and store data in a number of 3-D hologram images of data pages into the same location; each location can hold hundreds of pages of data; an entire 5.25in-diameter optical disc can store millions of pages; each piece of optical media is capable of custom encryption.

201-794-5900; *www.maxell.com*

CIFER - HD Standards Converter Launched

At NAB 2006 Pro-Bel announced the launch of Cifer, its groundbreaking HD/SD SD/HD standards converter that forms part of its Vistek product line. Developed in conjunction with Sweden's Digital Vision, Cifer is designed to satisfy today's multi-format, multi-resolution requirements and is based on proprietary motion estimation techniques that facilitate pixel-accurate estimations and hence conversion. Cifer is truly un versal as it can convert between any SD standard and between the primary HD standards. It can also convert from SD to HD and HD to SD with the resulting pictures virtua ly indistinguishable from the original.

Cifer is based on a modular – and therefore scalable – architecture in order to satisfy the divergent and expanding needs of today's broadcasters. Different mod.les can be added to the fundamental video converter in order to support varying demands. Kim Francis, Product Specialist, explains, "Audio is a prime example. Nowadays so much of it is embedded that a lot of audio is no longer routed around the converter but through it. If that is the case for a customer then we can satisfy that demand cost-effectively. If other parts of the digital signal stream also need to be converted customers can simply add modules to suit."

Graham Pitman, Pro-Bel's CEO, adds, "Signal conversion is of paramount importance in the modern broadcasting world, alongside flexibility and the ability to respond to change quickly and cost-effectively. Cifer satisfies those requirements and provides the absolute quality that HD demands."

Pro-Bel Provides Function-Rich One-Box Master Control with New Masterpiece

Masterpiece, Pro-Bel's re-engineered HD master control solution provides a feature-rich, one-box solution perfectly tailored for today's multi-channel broadcast environments.

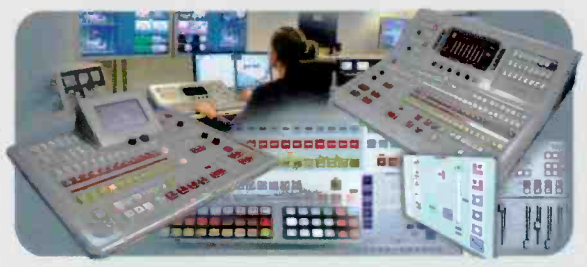
Since its launch, Masterpiece has provided users with a high level of control as the final device in the playout chain. With the advent and adoption of Dolby®E , the increase in multiple language variants and extended use of graphics, Pro-Bel has streamlined Masterpiece to a single 2RU solution that provides all of the core functionality needed.

"Masterpiece now provides a true, simple 'plug and work' approach for automated and multi-channel environments," explains Engineering Manager Alan Smith, adding, "It benefits from an HD DVE, audio mixing, Dolby E encoders and four DSKs to satisfy the needs of many broadcast operations."

The embedded audio is extracted from incoming program and preset channels, fed to a mixer with one external voiceover per audio channel (up to 16 audio levels are supported). This is routed via the Dolby decoders if required to generate separate audio channels for mixing as, of course, Dolby E can't be mixed in its encoded form. The resulting audio is then re-embedded into the outgoing video, after re-encoding into Dolby E if required.

In the video path, the DVE is 3D and offers full frame-based processing and two planes of DVE plus background. The DSKs offer external key and fill signals, or the option of internally stored logos being fed into one of the keyers.

"Of course, Masterpiece can also be used with our external audio mixers if more complex audio transitions are required and can also be used with the existing range of Pro-Bel Master Control panels – TX502, TX510, TX520, PC-based Morpheus Control panels and Pro-Bel's audio fader panel, for manual control of audio transitions and voice-overs," concludes Smith.



pro·bel

Morpheus Media Browse - Efficiency For Low-Res Viewing

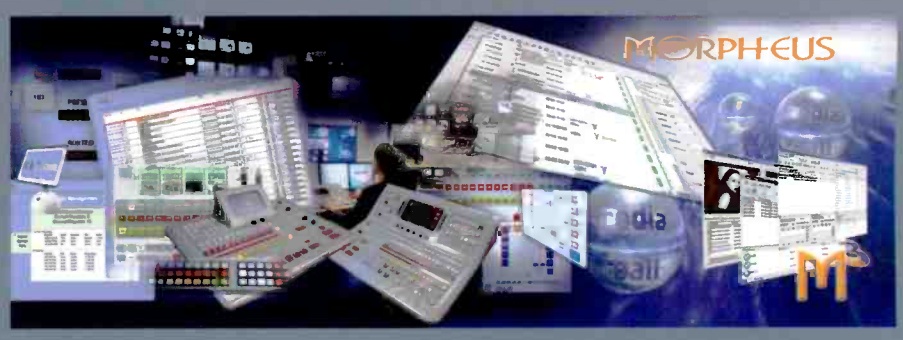
Morpheus Media Browse is a significant addition to the hugely successful Morpheus platform. Morpheus Media Browse provides additional efficiency and flexibility when it comes to the creation of low-res browse copies of digitized content in a file-based environment.

Morpheus Media Browse allows low-res copies to be created quickly and easily. Pro-Bel's Browse Acquisition application incorporates a new product - XCode, which has been developed by highly regarded specialists IPV in close conjunction with Pro-Bel. XCode transcodes at high speed to Windows® Media 9 format and stores the low-res version on an advanced streaming browse server. Pro-Bel's Acquisition application updates the Morpheus Media Management database to indicate that a low-res version is available for review.

"Morpheus Media Browse gives multiple users the ability to view and edit content in low-res formats from many desktop locations. Browse review functionality gives the operator the ability to review and trim in and out points for scheduled content in low-res rather than being tied to reviewing content in high-res. Workflows are changing and when content is delivered as a file the traditional method of efficient parallel encoding disappears," explains Chief Engineer Dave Collins.

Norway's most popular commercial broadcaster, TV 2, has already specified Morpheus Media Browse as part of its ongoing project to migrate all of its channels to Morpheus Automation.

www.pro-bel.com



Engineering The Broadcast Future

AUTOMATION • MEDIA MANAGEMENT • MASTER CONTROL • ROUTING • MODULAR INFRASTRUCTURE • CONTROL & MONITORING

DISK RECORDERS
DVS PRONTO2K AND PRONTOHD

Provide instant access, playout and capture of uncompressed 2K, HD and SD; combine a disk-based recording system with a workstation to offer VTR emulation, computer-video interfacing and networking integrated in a single device; support conforming capabilities with transitions; handle multiple compressed image formats.

818-846-3600 ; *www.dvs.de*

IMAGE SERVER
360 SYSTEMS IMAGE SYNC

Operates two Image Server 2000s as a redundant pair; features no loss of playout, ingest, stored content or file management when offline; all program content is completely redundant; the loss of either server has no effect on broadcast operations.

818-735-8221; *www.360systems.com*

NONLINEAR HD, SD EDITOR
MEDIA 100 HD

Features an easy-to-use traditional interface that makes it easy to work in the hybrid environment of mixed formats and codecs; new hardware and improved integration with the Boris FX plug-ins.

800-922-3220; *www.media100.com*

HD MIXING CONSOLE
BLACKMAGIC DESIGN ON-AIR

Real-time HD mixing console with the power of Multibridge Extreme; results in a complete live TV production studio; supports two cameras; provides HD-SDI quality, direct recording to disk, graphics keying, genlock outputs and full camera monitoring; is a free software update for all Multibridge Extreme users.

702-257-2371
www.blackmagic-design.com

STEREO AUDIO DELAY SYNCHRONIZER
SONIFLEX RB-DS2

Resynchronizes audio to video following such delay processes as standards conversion and transmission delay; features balanced analog and AES/EBU digital audio inputs and outputs on three-pin XLR connectors; can act as a combined A/D and D/A unit, with analog inputs delayed and output as AES/EBU and vice versa.

+44 1933 650700; *www.sonifex.co.uk*

CONTENT SECURITY AND DATA MANAGEMENT
THOMSON NEXGUARD

Protects, traces and monitors digital content in the professional media environment from production to post production through distribution; includes watermarking, encryption, controlled access and forensic data solutions that manage and secure the storage, transfer and viewing of digital content.

818-260-4951
www.thomson.net

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KONAN DIGITAL
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KONAN DigitalArc — The NEXT Generation of Media Asset Management

konandigital.com
+1 818 649 8655

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CROSSCONVERTERS
EVERTZ 7710XC-HD AND 7710XC-AES4-HD

The 7710XC-HD is designed to provide high-quality conversion of HD (SMPTE 292M) signals to other common 1.5Gb/s HD video formats; features 10-bit processing, two HD serial digital outputs, one OSD output and external genlock; the 7710XC-AES4-HD with external AES provides high-quality conversion of HD signals to other common 1.5Gb/s HD video formats.

905-335-3700; *www.evertz.com*

VOD
THALES SAPPHIRE VOD

For IPTV projects; enables the delivery of MPEG-2 and MPEG-4 AVC video streams over broadband networks; based on an Intel-based architecture; combined with the SmartVision TV management system, it enables services providers to build a complete set of VOD services: subscription VOD, rental VOD, DVD-like VOD and more.

413-569-0116

www.thales-bm.com

DV CAMERA TRIPOD
MILLER CAMERA SUPPORT SOLO DOLLY

Features a 729mm width for safe maneuverability through standard doorways; has a collapsed length of 552mm and an aluminum construction weighing 2.5kg for enhanced portability; the ergonomically designed carry handle is molded into the dolly's reinforced die-cast center bracket for optimum carriage strength.

973-857 8300

www.millertripods.com

BROADCAST RACK
APWMAYVILLE
STANTRON

Features thin profile power strips for space savings in high-density wiring applications; a wide variety of cooling fans and devices ensure temperature control; standard and customizable filler panels plug open spaces; heavy-duty shelves accommodate non-rack-mountable units with larger weight load capacities; top- and rear-mountable fan panels assist airflow through the rack system.

800-558-7297

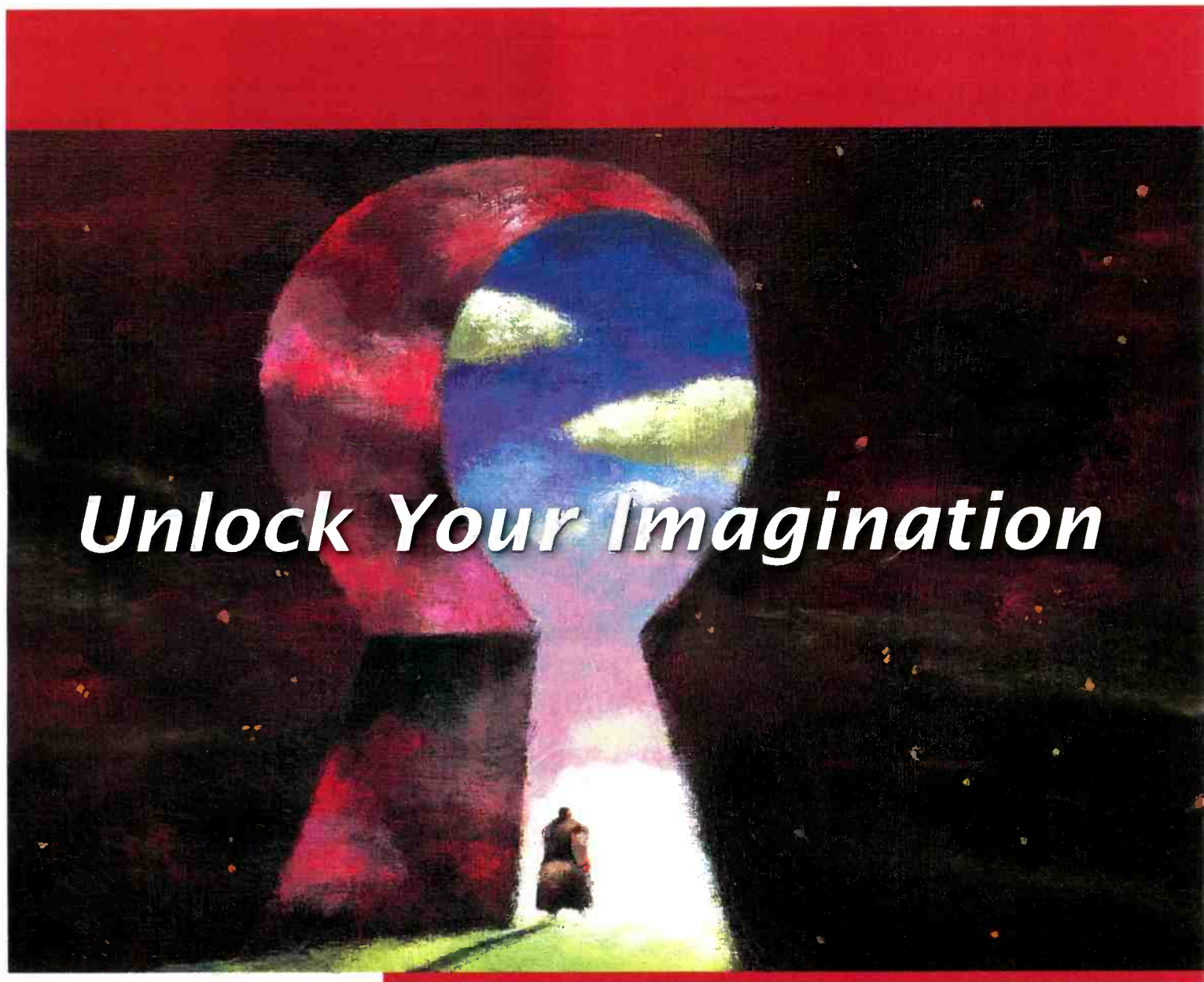
www.stantronracks.com

REAL-TIME STORAGE
MESOFT SELECT

Used to store, manage and access media; features a client interface on the front end and MESoft's patent-pending server technology on the back end; delivers reduced production process costs and increased post-production speed.

818-260-0858

www.mesoft.com



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INNOVATIONS IN VIDEO and AUDIO TECHNOLOGY

35th Anniversary

Imagination to Creation

www.for-a.com

Introducing the low cost addition to the Hanabi family of switchers:
The HVS-500HS multi-format HD/SD switcher.

HVS-500HS "1M/E HANABI Portable" NEW

This versatile new switcher can handle everything from editing and in-house studio applications to outside broadcasts and live productions. The main chassis and control panel have been combined into a compact self-contained unit, making it ideal for small trucks and fly packs. But, best of all, the surprising low cost of the HVS-500HS makes it an easy choice for multi-format productions.

- Functional in HD and SD format modes
- Analog and SDI input/output options can be selected
  - Analog component/RGBs (PC)/composite I/O board
  - HD/SD SDI I/O board
- Up to 8 HD/SD SDI inputs are possible; up to 12 total inputs possible
- PGM/PVW/AUX output available
- One DSK comes standard, and one keyer is available as an option
- Optional up conversion and frame synchronization card

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KOREA (Seoul) / FOR-A Corporation of Korea: Tel: +82 (0)2-2637-0761

CARDIOD STUDIO MIC

NEUMANN TLM 49

A large diaphragm, cardioid, studio microphone; features the K47 capsule used in the M49 and U47 microphones; the capsule has a linear frequency response up to the upper mid-range; above 2kHz, there is a gentle presence boost up to 3dB; the capsule is enclosed by a large, acoustically open, neutral sounding head grille.

860-434-5220

www.neumann.com

LCD MONITORS

NEC MULTISYNC 90 SERIES

Feature in-plane switching and vertical alignment LCD module technology; the "i" models, which use IPS-based modules, address color critical needs and include the 19in MultiSync LCD1990SXi, the 20in (20.1 viewable) MultiSync LCD2090UXi and the 21in (21.3 viewable) MultiSync LCD2190UXi monitors.

866-NEC-MORE

www.necdisplay.com

VIDEO ANALYSIS SOFTWARE

INLET TECHNOLOGIES SEMAPHORE

Video analysis tool that supports both SMPTE standards for advanced encoding; new customizable parameters and alerts allow for a higher level of automated control in the encoding process; prior to encoding, a user can set job-specific parameters with alerts that will warn them if any part of the encode goes outside of these settings.

919-856-1080; *www.inlethd.com*

CAMERA RECEIVER

BEYERDYNAMIC KE 800

Uses its Automatic Channel Targeting (ATC) function to search for an interference-free frequency to transmit via infrared to the matching handheld or pocket transmitter of the company's Opus 800 and 500 Mk II wireless systems and locks in the frequency; comes equipped with an LC display that indicates the battery level of the transmitter, frequency and channel, squelch and AF and RF levels.

631-293-3200

www.beyerdynamic-usa.com

CONTENT SECURITY

IRDETO PISYS CONTROL SYSTEM

Provides and manages encryption keys to the scramblers, enabling the scrambling of content prior to its playout as a broadcast stream; generates unique encryption keys for each user's session; uses patented techniques for key generation to ensure maximum security and limited bandwidth usage.

425-497-2800; *www.irdeto.com*

CABLES

BELDEN BRILLIANCE LOW CAP SPEAKER CABLES

Performance gains are achieved through the use of high-conductivity, oxygen-free, copper conductors that are inherently free of impurities; use low-capacitance polyolefin dielectric; are available with 10, 12, 14 or 16 AWG bare copper conductors; feature round, brightly colored and satin-finished PVC jackets.

800-BELDEN-4; *www.belden.com*

WIRELESS PROMPTING SYSTEM

AUTOSCRIPT GOPROMPT-15

Features a 15in high-brightness screen designed to bring studio-standard readability to field operations; prompting can be done in the field without the need for laptop computers; is capable of field editing via USB or PS-2 keyboard.

203-338-8356; *www.autoscript.tv*

CONTENT MANAGEMENT

GLOBECAST WING

A suite of IP-based services and applications; features WING Content Exchange for content contribution and exchange, as well as WING Store & Broadcast for tapeless playout and channel management.

305-887-1600

www.globecast.com

MPEG RECORDER

TEKTRONIX MTX100A MPEG

3RU recorder and player uses PC components and a Tektronix-designed platform architecture; has a large internal storage and DVD-ROM; Ethernet download capabilities help users store, download and play outtest patterns.

800-833-9200

www.tektronix.com

TRAFFIC MAP GRAPHICS

CURIOUS SOFTWARE TRAFFIC FLOW

A combination of Curious' Traffic Producer and Map Presenter; offers broadcasters a complete solution for the design, production and on-air presentation of their traffic maps; Traffic Producer's interface allows both graphics and non-graphics professionals to quickly focus on the area of interest, add storytelling details and create still or animated maps that are ready for air instantly.

505-988-7243

www.curious-software.com

XDCAM DISC DRIVE UNIT

SONY XDCAM HD PDW-D1 DRIVE UNIT

Designed for use in nonlinear editing systems; supports the i.LINK interface supporting DV I/O and File Access Mode protocols, allowing connection with a variety of nonlinear editing systems; is compact and lightweight.

800-686-SONY

www.sony.com/professional

HDV-TO-ASI CONVERTER

MIRANDA ASI-BRIDGE CAM

Camera-mounted converter provides direct transmission of HDV footage or HD recording to an MPEG-2 server; can be combined with the HD-Bridge DEC to create a long-range HDV newsgathering system; accepts HDV via IEEE 1394 connection; supports SD 525/625, HD at 720p and 1080i, and ATSC.

514-333-1772; *www.miranda.com*

MITEQ

Pushing The Boundaries Of Technology...

MCL INC
A MITEQ COMPANY

9900- SERIES FREQENCY CONVERTER

- Supports expandable NSU 1:N Switchover Series
- Amplitude slope adjust
- Two monitor and control ports
- RF, IF and LO monitor ports
- Automatic switching to external 5/10 MHz reference and electronic adjust of internal reference frequency

1:1, 1:2 and 1:N REDUNDANT SWITCHOVER SYSTEMS NSU- SERIES

The MITEQ Redundant Switchover Unit (NSU) Series is designed to improve reliability and increase the availability of satellite links and is available in three configurations:

- The NSU1 emulates the operation of the older RSU- series, but also has the ability to communicate settings between the online unit and backup unit. This allows the backup path to be used for low priority traffic. This is an optional feature, and can be accessed via a front panel key command.

- The NSU2 is a fully integrated 1:2 system, with a four-port transfer switch matrix located on the rear panel.

- The NSUN consists of up to 12 Redundant Switch Modules (RSM) with one controller. Each switch module is located in the rear panel of each converter.

SATCOM EQUIPMENT

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www.miteq.com
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MT3200A
RACK MOUNT MEDIUM POWER TRAVELING WAVE TUBE AMPLIFIER

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Ku-BAND: 400W
DBS-BAND: 270W
DUAL C-/Ku-BAND: 325W, 400W

MT2300
ANTENNA MOUNT LOW POWER TRAVELING WAVE TUBE AMPLIFIER

Ku-BAND: 125W
200W

MT3600
ANTENNA MOUNT TRAVELING WAVE TUBE POWER AMPLIFIER

Ka-BAND: 120W
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175W
250W
350W

Other frequencies and powers available. Contact MCL.

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ENTERPRISE-LEVEL ACTIVE STORAGE
OMNEON MEDIAGRID

For large digital media files; combines grid storage and grid computing through the use of multiple intelligent, interconnected and independent storage servers; composed of ContentDirectors and ContentServers; interconnection via redundant GigE.

866-861-5690; *www.omneon.com*

BATTERY-FREE ENERGY STORAGE
ACTIVE POWER CLEANSOURCE

A DC flywheel energy storage system; compatible with major UPS brands; uses a flywheel motor-generator that stores kinetic energy in its constant spinning, low-friction steel disc; compared with batteries, it reduces space requirements, temperature restrictions, replacement cycles and maintenance; can be used in conjunction with a standby generator for a continuous power solution or stand-alone with a UPS for optimal power protection.

512-836-6464; *www.activepower.com*

VIDEOCASSETTE
MAXELL HDCAM

Uses binder systems to achieve durability and exceed the compulsory storage performance demands of long-term archiving; incorporates super-fine ceramic armor metal particles (0.1 micron size) to surpass the low noise requirements of HDCAM's 7-to-1 compression algorithm; lineup includes 6-, 12-, 22-, 32- and 40-minute cassettes; large cassette lineup includes tapes that run 34, 64, 94 and 124 minutes.

800-533-2836; *www.maxell-usa.com*

NEWSROOM EDITOR
JUSTEDIT VSNSCENES

Editor allows low-res proxy preview in variable speeds directly from the chosen format (XDCAM or P2) and selection list of clips or subs; automatically uploads high-res content to shared video servers; enables management of associated metadata, creating and importing EDLs and selection MXF for transcoding the selected high-resolution files.

+34 937 349 970; *www.vsn-tv.com*

IP VIDEO GATEWAY
PATH 1 VX8000

IP video gateway transports real-time broadcast-quality digital video over public and private IP networks; choice of both Pro-MPEG COP-3 Forward Error Correction and Path 1's ClearPath Pro FEC enhancements; offers up to eight ASI ports in 1RU; up to eight individual ASI ports may be licensed; a given port can be set to either transmit or receive.

858-450-4220; *www.path1.com*

MULTI-IP
CRISPIN MULTI-IP

Architecture allows facilities to float management of channels between various control rooms located anywhere on an IP network; each control room can be dynamically assigned channels on an as-needed basis depending on the event and number of regional feeds required; channel controls can be assigned to an off-site location.

919-845-7744; *www.crispincorp.com*

VIDEO MONITORING SYSTEM
JDSU NETCOMPLETE DIGITAL AND IP VIDEO SERVICE MONITORING APPLICATION

Provides continuous, simultaneous monitoring of more than 250 video streams, as well as test access coverage at QoS-relevant points in the network; addresses every deployment phase, including initial design, network element deployment, service assurance and troubleshooting; includes the QT-1100 remote monitoring test head, which, when it detects a service problem, generates a fault alarm that is sent to the centralized monitoring software.

408-546-5000; *www.jdsu.com*

POV HDTV CAMERA
ICONIX HD-RH1

An HDTV remote point-of-view camera head and camera control unit; camera weighs 2.3oz; supports 720p at 24Hz, 25Hz, 30Hz, 50Hz and 60Hz; supports 1080i at 50Hz and 60Hz; supports 1080p at 24Hz, 25Hz, 30Hz, 50Hz and 60Hz; uses three 1/3in 16:9 CCDs and 14-bit quantization to deliver a sensitivity of F8 at 2000 lux; signal to noise is less than 60dB; offers programmable gamma function; is genlockable; can be remotely controlled.

800-783-1080
www.iconixvideo.com

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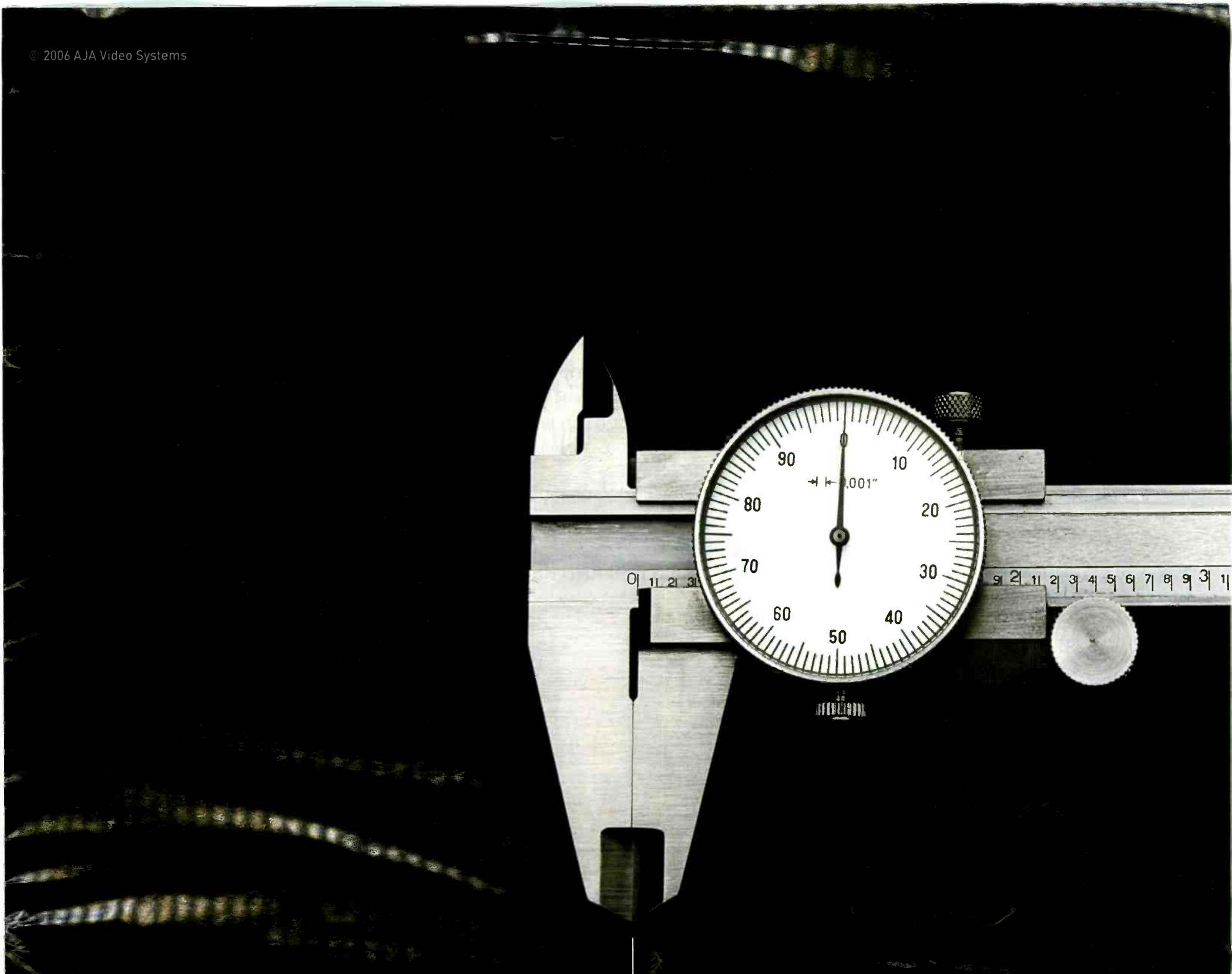


THE DIFFERENCE BETWEEN TOLERANCE AND ZERO TOLERANCE

AS PASSIONATE AS YOU ARE

AJA VIDEO SYSTEMS

TO LEARN MORE ABOUT THE DIFFERENCE OUR SD, HD, AND AUDIO CONVERTERS CAN MAKE, VISIT US AT WWW.AJA.COM.

FOLDING DOLLY

PANTHER BROADCAST HUSKY DOLLY

Can fold for transport so that it serves as a transport cart for your camera case or other bulky equipment; new features includes a reduced weight by 24lb; acts as a stable base for your tripod; Bazooka risers, turnstile attachment or seats can be mounted.

+49 89 613 900 01; *www.panther.tv*

BATTERY CHARGER

IDX SYSTEM TECHNOLOGY LC-7P

A four-channel battery charger designed for Panasonic 7.2V batteries (models VW-VBD35 and VW-VBD55); charges VW-VBD35 batteries in two hours and VW-VBD55 batteries in 3.5 hours; features LCD displays that show the batteries' charge levels.

310-891-2800; *www.idx.tv*

MASK FILTER/COMBINER

JAMPRO RCCC DVB-T/DTV MASK FILTER/COMBINER

Designed to make the most of tight quarters; achieves excellent results in the bandpass and channel combing application; each unit is electronically and mechanically performance tested; space-saving ceiling mounting is available.

916-383-1177; *www.jampro.com*

MEDIA MIGRATION

SAMMA SYSTEMS SAMMA

Is comprised of hardware, software and workflow processes to perform automatic migration of recorded content from videotapes to one or more digital file formats; allows quick separation of media that requires special handling; performs automated and unattended archival quality migration; the modular system is custom-configured to each client's requirements; one person can archive up to 140hr/day; available as task-modules or as a complete system.

212-738-9417; *www.sammasystems.com*

HEADSETS

AKG ACOUSTICS HSC AND HSD SERIES

HSC models combine a shock-mounted cardioid condenser microphone with the TEC K 271 studio circum-aural or the K 171 studio supra-aural headphones; HSD models include a shock-mounted hypercardioid dynamic microphone paired with the same K 271 studio and K 171 studio headphones; microphone boom arms swivel 270 degrees for left- or right-hand use without modification.

615-620-3800; *www.akg.com*

ZOOM LENSES

THALES ANGENIEUX HD-E SERIES

Cost-effective series consists of three lenses: the 19 x 7.3 AIF HD-e, with a zoom ratio of 19X and focal length ranging from 7.3mm to 139mm; the 10 x 5.3 AIF HD-e, with a zoom ratio of 10X and focal length ranging from 5.3mm to 53mm; and the 26 x 7.8 AIF HD-e, with a zoom ratio of 26X and focal length ranging from 7.8mm to 203mm.

973-812-3858; *www.angenieux.com*

PRODUCTION AND PLAYOUT SERVER

EVS XT2

For live production, post, content management and playout; servers can be combined to build a complete multichannel and real-time media sharing production network with near-online central storage.

973-575-7811; *www.evs.tv*

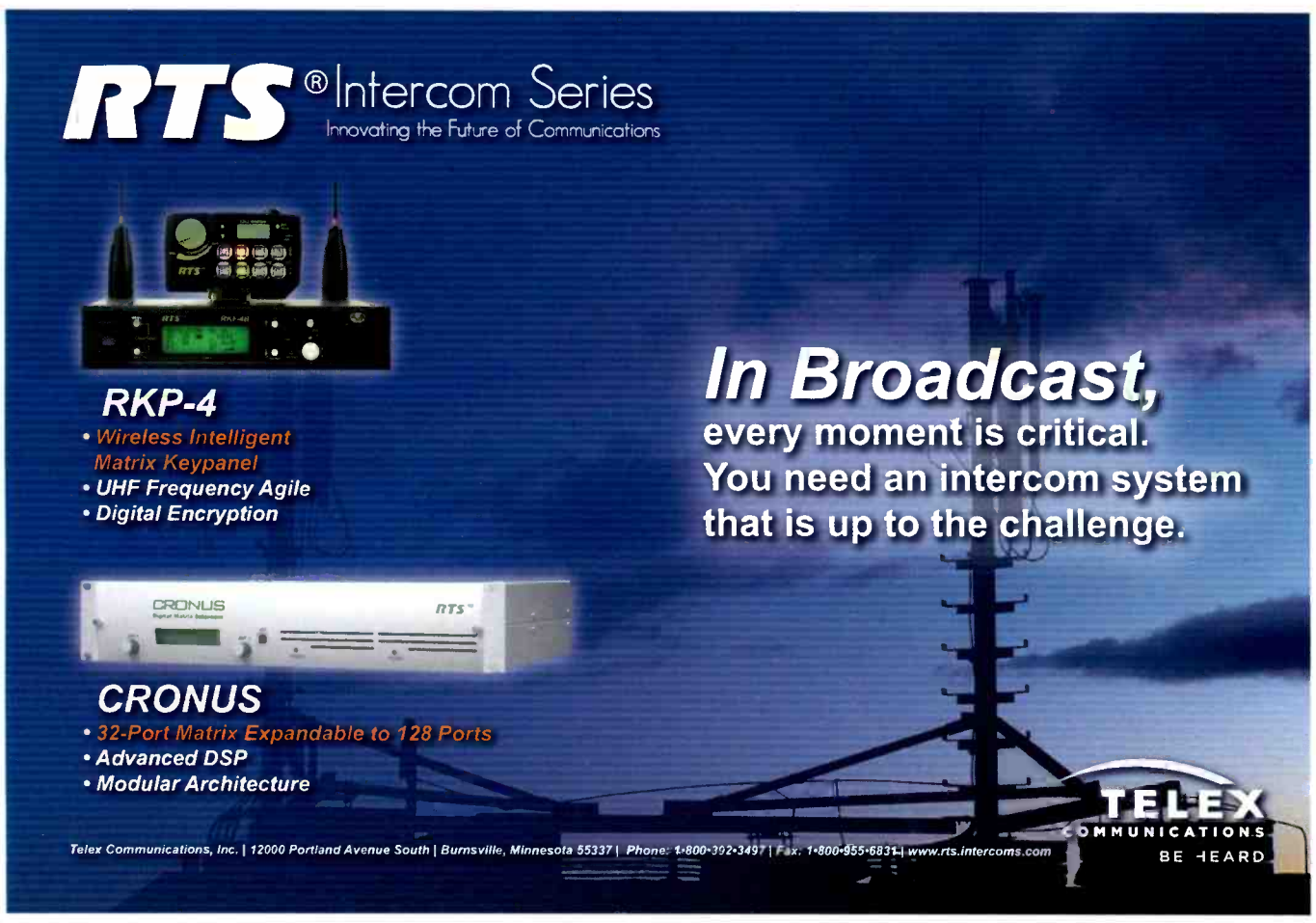
DIGITAL WAVEFORM MONITOR

TEKTRONIX WFM7100

Supports SD/HD and composite video; options include support for monitoring digital audio (AES/EBU/analog and Dolby); offers SDI signal measurement and in-depth digital data analysis; has an integrated high-resolution XGA display; MyMenu feature allows users to place frequently used functions in a single on-screen menu; CaptureVu capability captures an entire frame of video data, allows users to view the captured data in a one-a-kind display, compare it to a live signal, change to a different display and make the same live-to-capture comparison.

800-833-9200

www.tektronix.com



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SPRINTER II

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1/2 your setup time

learn how, visit

www.millersprinter.com

MILLER

HD P2 CAMERA
PANASONIC AJ-HPC2000

Progressive HD 2/3in 3-CCD system and 14-bit A/D processing; captures in 720p, 1080i or 480i; offers exceptional dynamic range and low light recording; has a high sensitivity of F10 at 2000 lux; can capture images at a minimum illumination of 0.032 lux (at +62dB); features five hot-swappable P2 card slots, providing up to 40 minutes of HD record time.

800-528-8601;
www.panasonic.com/broadcast

DIGITAL AUDIO CONSOLE
LOGITEK MOSAIC-TV

Router-based digital audio console; uses Logitek Audio Engine with full-featured router to handle analog and digital I/O; uses drop-in modules, permitting users to configure consoles as needed; comes in multiple frame sizes; offers 5.1 compatible operation, direct access of two master mix busses and four sub-mix busses from each feature module, as well as on-board five-function dynamics processor and full-color LDC display screens on each module.

713-664-4470; *www.logitekaudio.com*

UHF IOT TRANSMITTER
ACRODYNE (AI) QUANTUM DEPRESSED COLLECTOR

For 8-VSB and COFDM digital applications; features power levels up to 120kW average ATSC 8-VSB and DVB-T COFDM; plug-in technology and tube removal allow easy exchange of IOTs using a built-in IOT hoist assembly, without circuit assembly disconnection; is cooled by clean, safe de-ionized water.

888-881-4447; *www.acrodyne.com*

INTERCOM SYSTEM
CLEAR-COM ECLIPSE-MEDIAN

Combines matrix platform and interface frame to meet the confined space demands of OB vehicles or mobile flight cases; key features include up to 112 ports and interfaces for fiber, phone and four-wire connections; offers dual CPU and PSU redundancy; supports most Matrix+3 and 4000 stations and interfaces.

510-496-6600; *www.clearcom.com*

PROGRAM OPTIMIZER
DOLBY DP600

Supports file-based infrastructure and workflow; includes intelligent audio analysis and automated loudness normalization engine; offers Dolby E, Dolby Digital and Dolby Digital Plus encoding; automates quality-control process in faster than real time; intelligently and automatically sets, validates and corrects audio metadata parameters without the need for decoding and re-encoding.

415-558-0200; *www.dolby.com*

VIDEO SHARE PLATFORM
GLOBECAST WING CONTENT EXCHANGE

Allows video to be transferred, stored or streamed live for broadcast using any wired or wireless connection; the IP-based platform ensures stable and secure video file sharing; producers capture and upload video via any Internet connection to WING exchange servers that ingest, store and route content to the studio.

305-887-1600;
www.globecast.com

CHARACTER GENERATOR
PIXEL POWER CLARITY 3000

A single-channel HD/SD-switchable graphics system that is configurable with a mix of character generation, still store, DVE and painting tools; has optional video clip and audio capability; provides HD-SDI and SD-SDI program and preview outputs each with a key, as well as analog monitoring outputs; configurable as a video and key or two video inputs, allowing live 2-D DVE of up to two HD sources.

954-943-2026; *www.pixelpower.com*

NEWS CONTENT MANAGEMENT
BITCENTRAL OASIS

A file-sharing program for broadcast news production that facilitates user collaboration and media sharing; blends client/server distribution with peer-to-peer distribution; enables streamlined file sharing between specific stations within a group; comes as a stand-alone unit or as a complement to the company's Précis news production system.

800-214-2828; *www.bitcentral.com*

ON-DEMAND ADVERTISING
TANDBERG INTERACTIVE ADVERTISING

Provides dynamic ad placement with advanced VOD capabilities and ITV functionality; supports all delivery platforms and ad formats, as well as all consumer media devices; based on open interfaces, allows advertisements to be matched according to programming type, geography and demographic data.

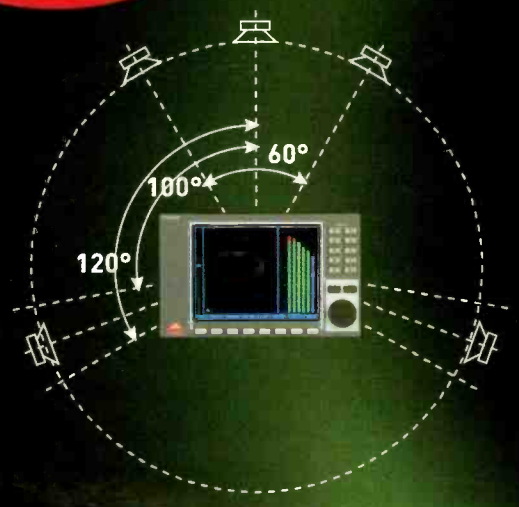
678-812-6300
www.tandbergtv.com

DK-Technologies

The world's leading manufacturer of professional audio and video systems for studio and broadcast applications.

"Audio Monitoring"

See and Control
...what you hear!



PT0660M Master Stereo & Surround Sound Meter

"solutions in Audio & Video"

"Sync & Test"

HD Sync and Test
...you can rely on

PT5300 HD & SD Sync Generator

"solutions in Audio & Video"

"Colour Truth"

Display true Colours
...on your LCD Monitor

PM5639 Colour Analyser

"solutions in Audio & Video"

"solutions in Audio & Video"

www.dk-technologies.com

wb@dk-technologies.com

AUDIO PROCESSING SYSTEM

JUNGER AUDIO LEVEL MAGIC

Uses an adaptive Level Control Algorithm to tame the transitions from one program source to another and looks after program peaks and average levels as well; incorporates Adaptive Automatic Gain Control, along with the company's Transient Processing; this combination provides the key to obtaining a satisfying output level control for any kind of input level changes.

818-701-6201; *www.junger-audio.com*

INTERCOM INTERFACE

RIEDEL CONNECT IP

An audio-over-IP interface between intercoms and IP-based networks; the 19in, 1RU unit provides for matrix to matrix connections, from matrix to control keypanels and distribution of audio over IP; converts one AES3-stream and can be configured to individual bandwidth needs; the bandwidth is scalable, resulting in audio quality up to 20kHz at 230Kb/s; supports remote user control key panels.

+49 202 292 90; *www.riedel.net*

CONTENT MONITORING SYSTEM

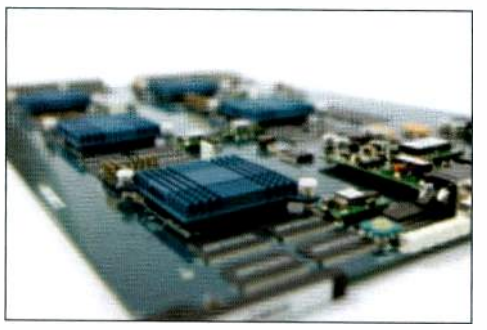
SNELL & WILCOX HYPERION

Uses intuitive algorithms, which mimic human intelligence to provide dedicated audio, video and metadata monitoring for content from ingest to transmission; automatically provides an educated opinion as to whether each element of a program meets satisfactory viewing quality standards; simplifies remote monitoring with powerful tools that use metadata to track and monitor content for quality control.

818-556-2616; *www.snellwilcox.com*

HIGH-DENSITY AUDIO SYSTEM

CALREC BLUEFIN



Doubles the processing power of the latest Calrec Alpha console without an increase in cost; enables full EQ and dynamics to all channels; allows for 8 x 5.1 groups with full EQ and dynamics; 4X main outputs, 48 multitrack outputs and 20 auxes.

+44 1422 842159; *www.calrec.com*

BRANDING SYSTEM

CHYRON CHANNEL BOX

An HD/SD switchable, turnkey branding system, features controllable playout for branding applications, including tickers, crawls, snipes, promos and end-of-show credits; offers a comprehensive set of real-time video, graphic effects and audio capabilities; can be integrated with traffic and automation or used as a stand-alone control device.

631-845-2133; *www.chyron.com*

NETWORK MANAGEMENT SYSTEM

ILC MAXVIEW 5.0

Consolidates all network management into one worldview; works in tandem with existing NMS deployments; allows for the direct assimilation of all network devices into the system; features automatic topology discovery and display, root cause analysis based on user's scenarios, customizable user interface, and advanced user management control.

404-504-7400; *www.ilc.com*

ENG TRANSMITTER

MICROWAVE RADIO COMMUNICATIONS PTX-PRO

Fully integrated, self-contained, portable platform; supports integral MPEG-2 SD/HD encoding, plus analog or COFDM and high-speed, single-carrier, digital modulation in bands between 1.9GHz and 2.6GHz; features user-friendly front-panel controls, built-in AC/DC power supplies and nine programmable presets for easy set-up.

978-671-5700; *www.mrcbroadcast.com*

MANAGEMENT SOFTWARE

DIMETIS OPENBROADCAST

For broadcast networks, regional sites or transmitters and DVB/ATSC multiplex centers; controls devices and elements from different managers; network components monitored and controlled via SNMP; offers easy and flexible configuration of all components and signals.

732-919-0400; *www.cware.com*

HD MPEG-2 ENCODER

DVEO NCODER HD

Is compatible with all industry standards; offers NTSC and PAL operation, MPEG-2 4:2:2 or 4:2:0 compression at 15Mb/s to 100Mb/s, MPEG-1 layer-II audio encoding, HD-SDI input and DVB-ASI output.

858-613-1818; *www.dveo.com*

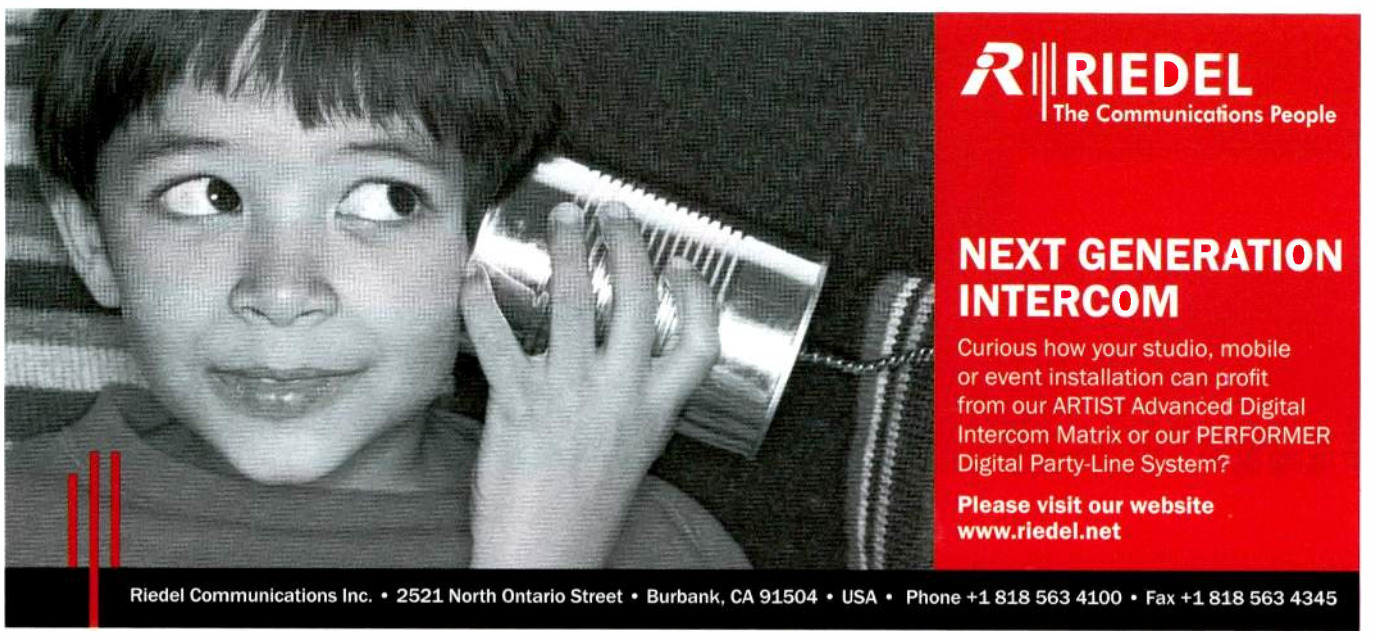
ALL-WEATHER RADAR

BARON SERVICES PULSAR

Designed to deliver sophisticated performance and increased storm detail; four-module solid-state 250W C-band Doppler radar with pulse compression; provides HD data of 256 color levels and 3000 range bins — providing up to 10X higher resolution; features SmartPower technology, steel EMI-shielded enclosure and fiber-optic communication lines.

256-881-8811

www.baronservices.com



PORTABLE CAMERA
GRASS VALLEY INFINITY

IT-friendly camera system provides HD/SD multiformat support for 1080i50/60, 720p50/60, 625i50 and 525i60; supports DV25 and JPEG 2000; MPEG-2 compression available on select packages; offers DV25 4:1:1 or 4:2:0 (DVCAM and DVCPRO) JPEG 2000 high-efficiency, scalable compression for SD (4:2:2, 10 bit) and HD (4:2:2, 10 bit); records and plays from integrated REV PRO and professional-grade CompactFlash media; provides remote control and file transfer over IP connections; has a 14-bit digital HD camera head with advanced video processing.

800-547-8949; *www.grassvalley.com*

P2 HD STATION
PANASONIC J-HPS1500

Recorder and player bridges between SD and HD production environments; acts as an ingest, transfer or up- and down-conversion station; features IEEE-1394a (AVC) and USB2.0 interfaces, as well as HD-SDIa and SD-SDI input and outputs; works seamlessly in DVCPRO HD tape-based systems for transferring, editing or playout; records in 1080i and 720p in DVCPRO HD, and in 50Mb/s DVCPRO50, 25Mb/s DVCPRO and 25Mb/s DV.

800-528-8601
www.panasonic.com/broadcast

AUTOMATED ROBOTIC CART SYSTEM
SONY XDCAM HD PDJ-C1080 CART

An automated robotic cart system; accommodates up to four PDW-1500 units and up to 80 discs to store AV material; ideal for ingesting, archiving and on-air playout applications; is equipped with a standard VCC control protocol, allowing easy integration into existing systems; the total storage capacity using 80 discs is 1.8TB; PDJ-CS10 Cart Interface Software is available to interface with MXF-compliant systems.

800-686-SONY
www.sony.com/professional

NETWORK MANAGEMENT SYSTEM
HARRIS NETBOSS

Allows broadcasters to monitor and configure STL links through one graphical user interface; the cross-platform element management option supports distributed network architectures and provides complete, real-time management for the Harris Video Networking and Microwave Solution.

800-622-0022
www.broadcast.harris.com

CAMERA ROBOTICS
VINTEN RADAMAC FUSION RANGE

Comprises a controller, head and pedestal with a single underlying control system; enables operation of all current Radamec and Autocam products together with the new Fusion range pan and tilt head and pedestal; provides an upgrade path that is compatible with current products available in two formats: a fully robotic pedestal or as a manually operated pedestal with an integrated height drive, which can be upgraded to a fully robotic version.

845-268-0100; *www.vinten.com*

OPEN STANDARD FRAME
ROSS VIDEO OPENGEAR

An open-frame standard based on the modular backplane; 2RU rackframe houses up to 10 card modules of any type; openGear modules are available from a selection of openGear partners, allowing customers the flexibility to pick the best module for their application; provides platform for a Web-based control system, enabling quick and easy monitoring and control of openGear frames and modules.

613-652-4886
www.rossvideo.com

RECEIVER/DECODER
RADYNE TIERNAN TDR4022

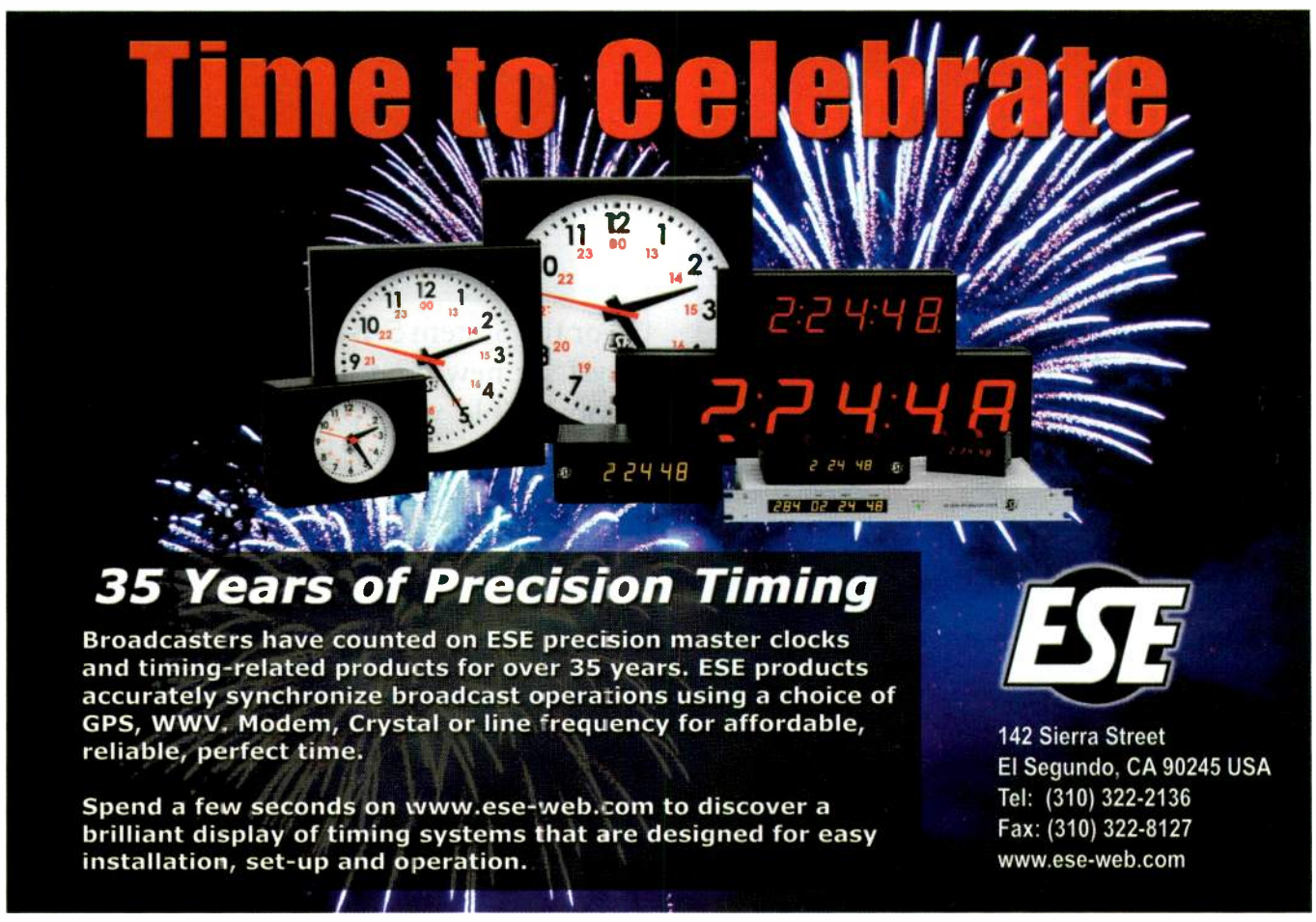
DVB MPEG-2 integrated receiver and decoder has BISS, embedded audio and AC3 decoding; operates at 4:2:2 and 4:2:0; Web browser includes QPSK with 8PSK and DVB-S2 as options; features full front-panel control with power switch; broadcasts video and two stereo audio pairs.

602-437-9620
www.radynecomstream.com

NLE SYSTEM
GRASS VALLEY EDIUS 4.0

New features include multi-cam support, nested sequence editing, improved timing tools and key-frame support; offers real-time monitor preview for up to eight cameras, master channel preview and the flexibility of an NLE environment but with the feel of a live switcher.

800-547-8949; *www.grassvalley.com*

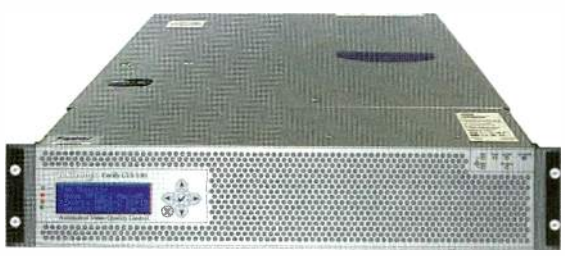


HD EDITOR
QUANTEL EQ FX

An all-in configuration for broadcast and post applications; supports HD and multi-resolution post production; comes complete with 160 minutes of HD workspace and built-in TimeMagic no-wait hardware.

703-448-3199; *www.quantel.com*

FILE VERIFICATION SYSTEM
TEKTRONIX CERIFY



Fully automated system that verifies the quality of file-based, compressed digital video and audio content prior to transmission or use; fully tests all aspects of stored compressed video and audio quality to ensure it meets the system parameters, formats, resolutions, bit rates, video/audio quality levels and compliance/correctness to a wide range of specified video and audio standards.

800-833-9200; *www.tektronix.com*

HDV CAMERA
JVC GY-HD200U

Captures at HDV720/60P with JVC's new Super Encoder developed for the latest line of ProHD products; provides 60fps capture and over-cranked recording for superb slow motion when the final output is 24P; uses all of the accessories currently available for the GY-HD100U, including the new 1/3in mount HD lenses; adapter allows use of 16mm film prime lenses with a Positive Lock mount for cinematography apps; also records in SD — including 24P and 24PA — and HD focus assist function.

800-582-5825; *http://pro.jvc.com*

HD CAMERA
CANON XL H1

A broadcast-quality, 1080i camera with 20X zoom lens; features three 1/3in 16:9 interlaced CCDs; selectable frame rates of 60i, 30 and 24 frame, extensive cine controls and uncompressed digital HD-SDI output for seamless integration into broadcast studios or high-quality image transfer to NLE systems; includes DIGIC DV II image processor.

800-652-2666; *www.usa.canon.com*

CONTROL SURFACE
EUPHONIX SYSTEM SYSTEM 5-B CONTROL SURFACE

For the System 5-B digital audio mixing system; new modules are operationally compatible with previous versions of the System 5-B but have higher resolution displays at the top of each module; new touch-sensitive knobs include color-coded LED rings at the base for easy identification of the knobs' functions; new modules also include faster embedded microprocessors for quicker response and boot times.

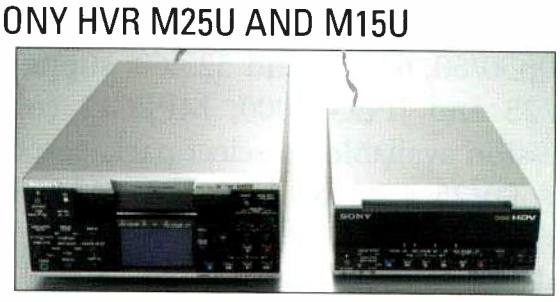
650-855-0400
www.euphonix.com

MEDIA SERVERS
VIDEOTECHNICS APELLA

Family of video servers supporting multiple formats, from SD to HD; has networked or stand-alone versions; 3RU high supporting up to 4TB with RAID 1, 3, 5 and 6 options; IT-centric design; fully compatible with external NAS/SAN/DAS solutions.

404-327-8300; *www.videotechnics.com*

HDV VCR
SONY HVR M25U AND M15U



Records and plays HDV 1080i, DVCAM and DV SP; compatible with mini-size DV cassettes and standard-size cassettes; offers four hours of HDV recording with compatible tapes; supplies downconverted signals from HD to SD and are switchable between 60Hz and 50Hz (NTSC/PAL); supported connectivity options include i.LINK (IEEE-1394) digital interface, component output, S-Video I/O, composite I/O and analog audio I/O.

800-686-7669
www.sony.com/professional

NEWS AND SPORTS PRODUCTION SYSTEM
EVS CLEANEDIT V.2

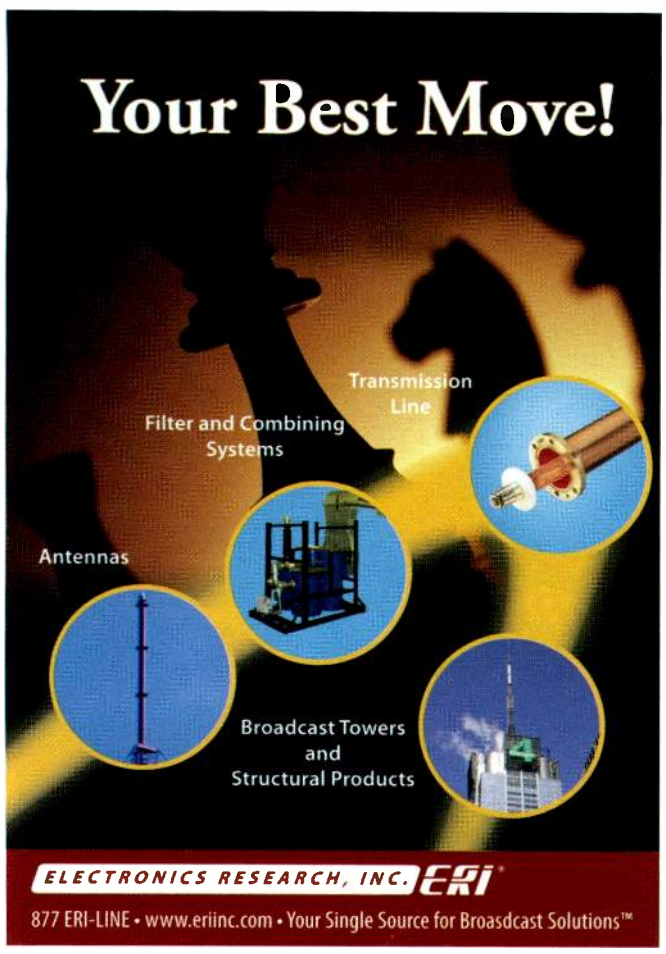
Supports applications from ingest to playout; offers interoperability with newsroom computer systems; supports HD and camcorders; faster than real-time ingest from XDCAM and P2 camcorders; open architecture takes in any DV, MPEG or MJPEG content and plays it out without rendering; MOS support; interfaces with third-party NRCS systems.

973-575-7811; *www.evs.tv*

VIDEO NETWORKING
HARRIS NETVX

Designed to provide improved bandwidth efficiency for increased multichannel operations, enhanced HD services, disaster recovery, event support, remote newsgathering and IP-based video transport; leverages packet switching providing bi-directional transport over ATM, IP, DS-3, fiber (OC-3), satellite and microwave networks; supports triple-play services, all in one chassis.

513-459-3400
www.broadcast.harris.com



VIDEO ROUTER
SONY IXS-6000 SERIES

Supports SD and HD video, AES digital audio, and RS-422 control signals all within the same mid-size matrix; features sizes of 16 x 17 to 128 x 136; handles balanced digital audio matrices of 32 x 34 up to 256 x 272; supports Sony's S-Bus communications protocol for backward compatibility.

800-686-SONY
www.sony.com/professional

NONLINEAR WORKFLOW ENGINE
AVID INTERPLAY

Combines integrated asset management, workflow automation and security control into a single system; connects teams to a shared-data and media backbone and smoothly manages the flow of projects from inception to completion using security and powerful revision control; tools included for searching, archiving, viewing, logging, automatic transcoding, dual-resolution encoding, and intelligent tracking of multi-resolution proxy files.

800-949-2843; *www.avid.com*

COMPACT STORAGE AREA NETWORK
STUDIO NETWORK SOLUTIONS
GLOBALSAN X-4

Created for multi-room audio production studios that use Digidesign's Pro Tools digital audio workstations; includes 1.6TB of SATA storage in a 1U enclosure; contains a single RAID controller and two client licenses of SAN software; based on the iSCSI protocol.

877-537-2094
www.studionetworksolutions.com

FIBER-OPTIC CONNECTORS
NEUTRIK OPTICALCON

Based on standard LC-duplex design; provide safe and rugged connectivity; support both LC connectors or OpticalCon connectors; integrated gold-plated contacts allow the use of up to four copper wires for power or data; SMPTE-compatible wire arrangement and additional ground-shell contact.

732-901-9488; *www.neutrikusa.com*

D12 CONNECTORS
GEPCO G37 SERIES

Twelve-channel DT12 connectors feature a new hard anodized aluminum backshell that locks in place with two set screws into a series of castellations; the set screws and castellation prevent accidental loosening of the connector shell, therefore extending the operating life; the male connector shell is constructed from stainless steel to prevent damage and keyway wear.

847-795-9555; *www.gepco.com*

MICROPHONE
HOLOPHONE H2-PRO

Capable of recording up to 7.1 channels of discrete surround sound; now features enhanced low frequency effects (LFE); with the enhanced LFE, it effectively permits a higher output level of deep bass information without imposing on the performance or levels of the rest of the system.

416-362-7790; *www.holophone.com*

DIGITAL TV EXCITER
AXCERA AXCITER

Completely reprogrammable digital TV exciter; easily field upgradable with new software versions; system includes AXACT dynamic digital pre-correction and DTVision digital signal analysis; VGA front-panel display; supports slave-mode and SNF operation.

800-215-2614; *www.axcera.com*

FIELD CONFIDENCE MONITOR
RK ENTERPRISES MMRB-15

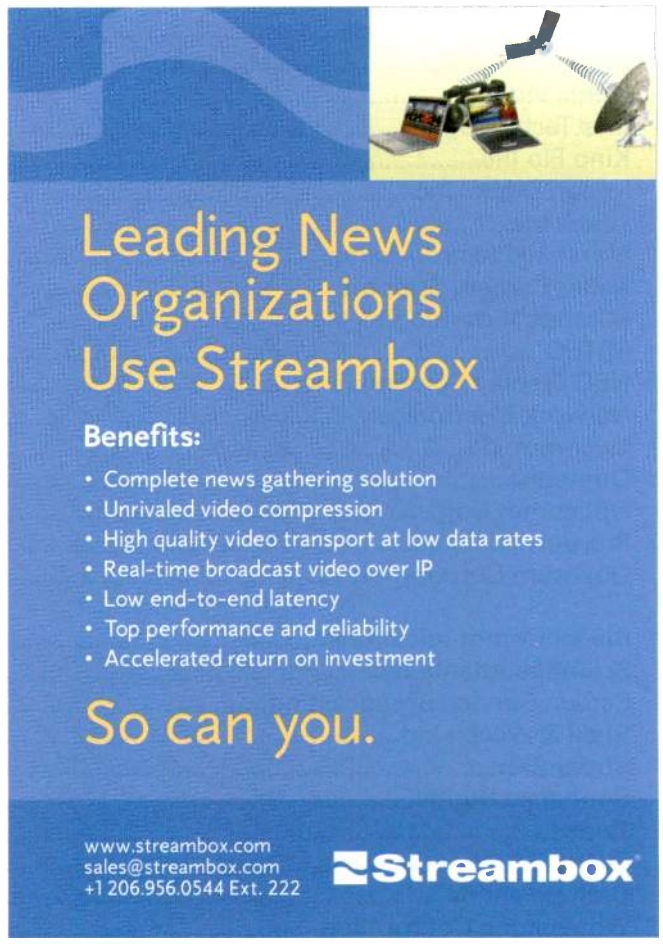
For news and sports applications; 1024x768 resolution on a 15in LCD color screen; sturdy aluminum housing; RF input, optional 601 input; standard C-mount camera battery-powered; tripod-mountable; 16x9, 4x4 or 16x9 stretch aspect ratio display.

562-902-9200

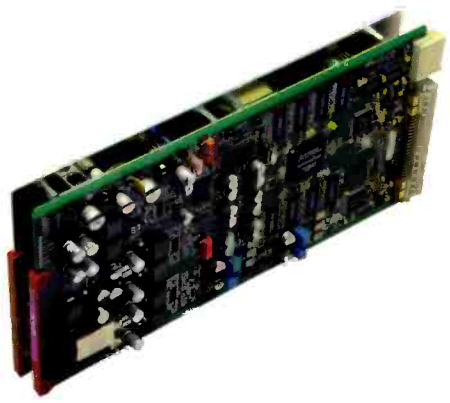
AUTOMATION AND PLAYOUT SERVER
CINEGY AIR

Completely software-based automation and playout server; relies on open IT architecture; supports all standard video files from DV to 1080i HD MPEG-2 long GOP 4:2:2; control via TCP/IP interconnect; scalable to hundreds of channels; supports closed caption and Dolby E pass-through.

202-742-2736; *www.cinegy.com*



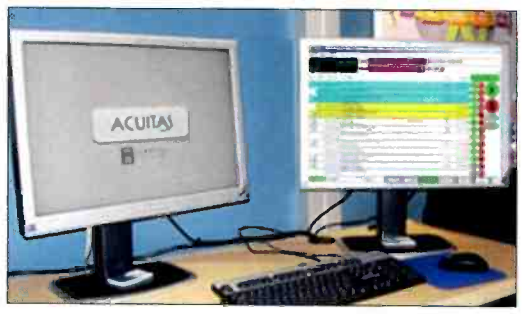
UPCONVERTER
AXON DIGITAL DESIGN HSU20/21



Based on advanced Teranex algorithms; compatible with ADD-ON Synapse systems; runs on two HQV Realta chips from Silicon Optix providing 2 trillion ops; two processed outputs; SD/HD-SDI input, 576i to1080i/50 or 720p/50 conversion; 480i to 1080i/59.94 or 720p.59.94 conversion.

+44 118 973 8920; *www.axon.tv*

AUTOMATION AND ASSET MANAGEMENT
FLORICAL ACUITAS



A file-based automation and asset management and playback software solution; based on non-proprietary computer hardware; users can ingest, tag, play and archive digital content; supports single, multistation and multichannel environments; auto-reconcile traffic; drag-and-drop operation; compatible with most legacy equipment.

352-372-8326; *www.acuitastv.com*

AUDIO INTERFACE AND CONTROL SURFACE
TASCAM FW-1082

Supports Firewire and video editing software; includes four high-quality mic preamps with phantom power and compressors; line inputs and digital I/O; unique control surface acts as three surfaces in one — Mackie control protocol, editing surface for NLE applications and a MIDI control surface.

323-726-0303; *www.tascam.com*

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Baron Weather Services	39	256-881-8811	baronservices.com
Blackmagic Design	11		blackmagic-design.com
Broadcast Microwave Services	40	800-669-9667	bms-inc.com
Calrec Audio Ltd.	15	+44(0) 1422 842159	calrec.com
Canare Cable Inc.	37	818-365-2446	canare.com
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Pro-Bel	43		pro-bel.com
Quantum Corporation	41		quantum.com/tape4 tapelessworld
Riedel Communications	54	818-563-4100	riedel.net
Scientific Atlanta Inc.	22		scientificatlanta.com/compete
Screen Service Broadcasting	29	888-522-0012	screenservice.net
Snell & Wilcox Ltd.	13		snellwilcox.com/nab
Streambox	57	206-956-0544	streambox.com
Sundance Digital	28	972-444-8442	sundancedigital.com
Telex	50	800-392-3497	rts.intercoms.com
TVOne Multimedia Sales	42	800-721-4044	tvone.com
Utah Scientific	25	801-575-8801	utahscientific.com
Wheatstone Corporation	IFC	252-638-7000	wheatstone.com

ADVERTISERS MARKED IN RED

HD/SD Multi-Format Routers - from 32x32 up to 576x576

- *The Xenon is a powerful and highly flexible 'Signal Processing' router essential for your broadcast, production or AV facility*
- *Xenon is available in 4RU or 8RU with matrix sizes ranging from 32x32 to 128x128*
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