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HOT NEW PRODUCTS from NAB

PRODUCT SOURCE 2001





Wheatstone

DIGITAL AUDIO NETWORK ROUTER

- *BI-DIRECTIONAL FIBEROPTIC OR CAT-5 INTERLOCATION CONNECTIVITY*
- *ALL DIGITAL DOMAIN AES SWITCHING*
- *ANALOG OR DIGITAL (AES SAMPLE RATE) INPUTS*
- *BOTH ANALOG AND AES DIGITAL OUTPUTS*
- *SERIAL CONTROL AND DISPLAY WITH WHEATSTONE CONSOLES*

THE 2001 MAKES AUDIO NETWORKING PRACTICAL. It's simple to install, easy to learn, and certain to reduce system costs. Compact enough for small applications, yet stackable for tremendous growth potential, it's design consists of 7" rackmount digital routing cages, each capable of handling 512 simultaneous audio channels on its backplane.

Units can be stacked to suit particular card complements (analog or digital input and output cards or optical network cards) but more significantly cages can be separated by great distances and network their audio through either bidirectional fiberoptic links or a single CAT-5 wire. **ONE INTERCONNECT DOES IT ALL:** 64 channels of simultaneous bidirectional digital audio, intercage communication, X-Y controller commands plus auxiliary RS-232 data streams. This single interconnect between your studio and central rackroom can save you tens if not hundreds of thousands of feet of wire in a typical installation.

The 2001's graphic based setup software is intuitive and easy to use, with all the authorization and security levels you could want. And of course we have a full

complement of control panels and PC applications to choose from—all designed for straightforward operation and a rapid learning curve.

With 25 years of experience, Wheatstone has the infrastructure in place to help you build your OWN infrastructure. Contact us for answers.



MIXED SIGNAL SWITCHING is easily accomplished with a choice of AES digital or ANALOG 24-bit A>D input cards, and of course 24-bit digital or 24-bit D>A ANALOG output cards, all of which can be serviced from the front of the cage. All signals are routed entirely in the digital domain.

Harris COOL FUEL**Dramatically increases DTV transmitter performance and efficiency**

Harris has developed an innovative approach to DTV transmission that provides dramatic improvements in transmitter performance and efficiency. Marketed as *COOL FUEL—the Perfect Power Source*, the system combines proprietary signal equalization techniques used in all Harris ATSC transmitters with a patent-pending filtering configuration. Among its benefits, *COOL FUEL* offers dramatic cost-saving potential, ensures full compliance with the FCC's stringent requirements to prevent signal interference in today's spectrum-congested environment and enables TV stations facing a shortage of tower space to combine two channels into a single antenna—even in upper-adjacent-channel situations.

Circle (2) on Free Info Card

Harris Broadcast Manager**Enables central monitoring and control for stations, groups or networks**

With Harris Broadcast Manager (HBM), television stations, groups or networks can monitor and control hardware, software and associated networks from a central location. HBM is designed to increase efficiency and streamline operations in today's increasingly complex multichannel, multistation management environment. The system, which uses a scalable client-server architecture, is available in three versions — HBM-100 for small-scale users, HBM-200 for larger call letter stations and station groups, and HBM-300 for the largest most complex systems that may be required by large station groups and networks. Each version is available with the configuration and custom features needed to meet the customer's specific requirements.

Circle (3) on Free Info Card

Harris' New CLARO™**Provides value-priced, entry-level automation for small and mid-sized TV stations**

Harris Automation Solutions has introduced CLARO, a value-priced automation system for small- and medium-market stations that need to manage a single channel of playout. Designed and priced for stations with fixed automation needs and a limited number of devices to control, CLARO includes a single client workstation for on-air control and preparation and filing of content, and a device server that can control standard video servers, tape machines and switchers. The CLARO system enables broadcasters to file commercials on their video server and insert them into their playlist, record and playback materials on tape, import schedule files from their traffic system, and send an "as-run" log back to traffic for reconciliation.

Circle (4) on Free Info Card

Harris Automation Solutions**Develops technology for wide area automation**

As consolidation in the TV industry continues, station groups are looking for ways to cut costs, and remote operation of broadcast facilities provides a significant opportunity. Harris Automation Solutions has introduced the technology that enables broadcasters to automate and control multiple remote facilities from one central facility or from several different locations. With new networking capabilities that are built into the Harris automation system, broadcasters can control a remote station, transfer media files from a central to remote site(s) and

vice versa, and control devices across a Wide Area Network using Harris' recently introduced Network Device Control Protocol.

Circle (5) on Free Info Card

MonitorPlus™ Lite**Provides ATSC transmission confidence monitoring for small and mid-sized stations**

Harris' new MonitorPlus™ Lite is a fully integrated system that provides complete confidence monitoring of the transmitted ATSC Digital Television signal. The system includes a Harris ARX-H50 professional ATSC receiver, an 8-VSB RF analyzer, a color picture monitor, a professional audio monitor and an MPEG-2 transport stream analyzer. An optional waveform monitor is available. A scaled-down, lower-priced version of Harris' original MonitorPlus PRO, MonitorPlus Lite was developed to meet the needs of small to mid-size broadcasters.

Circle (6) on Free Info Card

Harris ARX decoders

Harris announces four additions to its ARX line of integrated receiver decoders:

ARX-H50 can tune and receive any digital HD and SD broadcast and convert it to an analog NTSC composite video signal for confidence monitoring. The unit can also output the demodulated ATSC transport stream simultaneously in SMTE 310 and DVB-ASI formats.

ARX-H75 and **ARX-H75C**, professional studio decoders, can receive an ATSC transport stream in either DVB-ASI or SMPTE 310 format, de-multiplex and decode any of the programs contained within the stream, and convert the decoded video to an analog NTSC (standard definition) display signal. The ARX-H75C, an enhanced version, also converts DVB-ASI to SMPTE 310 and SMPTE 310 to DVB-ASI.

ARX-H400, a quad-channel receiver decoder, accepts an L-Band or 2 x ASI inputs and outputs four channels of SD video via SDI or Composite analog video. The ARX-H400 also outputs a Quad Matrix Mosaic that represents all four video channels on a single composite video output.

Circle (7) on Free Info Card

**WETA, WCBS, WSB, KHOU, WFAA, KGO, WXIA, WTHR,
WPVI, WBNS, KING, WSHH, KABC, WGCL, KTVU, KCAL,
KPIX, KCBS, WUSA, WJLA, KYW, WDIV, WWJ, KTVT,
KPRC, KIRO, KMOV, KTVI, KBHK, KCTS, WMVS, WTAE,
KRIV, WFLD, WOIO, KCOP, KGW, WPXI, WCNC, WTVD,
KXTV, WPLG, WLS, WKYC, KICU, WFLA, KFOR, WSVN,
WBBM, KPTV, KTRK, WBAL, KARE, KPNX, WTSP, KDKA,
KMSP, WBZ, WCCO, KSDK, WSOC, KCRA, KXLY, KTVX,
WRAL, WRAZ, KOIN, KLAS, WTLV, KUTP, KTXL, KBWB,
KNTV, WJZ, WWOR, KQED, WABC, KCET, WCYB, WRDW,
KCPQ, WRLK, WHYY, WTMJ, KLFY, WENH, WISC, KTTC,
KOREAN BC, WCVB, WEWS, WSPA, KSWB, **WFTV****

*Due to contractual agreements, some stations not listed.

**100 DTV station
installations.* We like to
think of them as letters
of endorsement.**

We're proud to announce our 100th DTV transmitter installation--at WFTV in Orlando, Florida. It not only highlights Harris' industry leadership in both UHF and VHF digital transmitters but also our end-to-end solutions--including monitoring equipment, DTV studio products and complete customer support. We deliver the whole package, and our customers' letters confirm it.

HARRIS

With today's technological challenges, it's becoming crucial for engineering management to deliver with cost-effective solutions. At this year's NAB, there was a renewed emphasis on new products and services to help stations and production facilities become more efficient and productive.

To help readers meet this challenge, the *Broadcast Engineering Product Source* has been developed to assist you in identifying key new products that can help you solve your facility's creative needs while maximizing efficiency. From new transmitters to real-time graphics and effects systems, answers are just a page turn away.

So, read on. You're about to enjoy a quick review of NAB2001's product introductions. And, in case you missed the show, you're really in for a treat of new ideas and solutions.

Brad Dick, Editor

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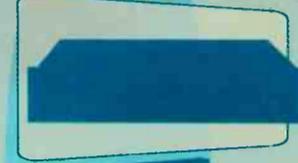
On the Cover



**Wheatstone
Bridge 2001**



Pinnacle PDS 9000



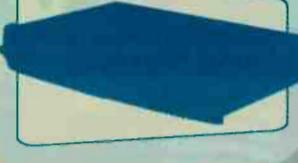
Videotek STM-350



Pesa Cheetah



Leitch Opus



Miranda Densité

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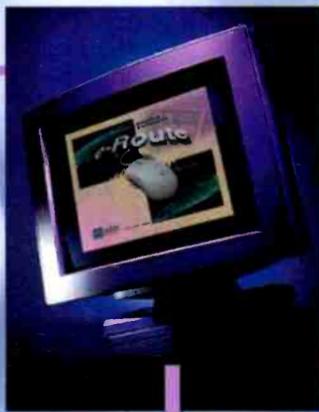
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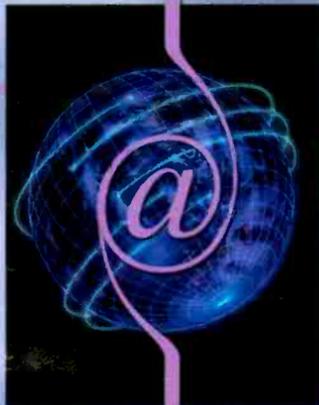
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Cougar 32x32



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Take control of your PESA routing switcher from your desktop. It's as easy as launching your favorite web-browser. e-Route is a network routing switcher control system that operates over your LAN/WAN or the internet. A basic e-Route system supports ten clients. Each client can have their own user profile giving them access to all or only part of the matrix. You can even use e-Route to control routers in several different locations around the world.

The client interface is a Java application running inside of popular industry standard browsers. Setting up the e-Route hardware is just as simple. All you need is a TCP/IP connection and an RS232/422 port connection to your router. The server comes pre-configured with DHCP default settings so you can be up and running in no time at all.

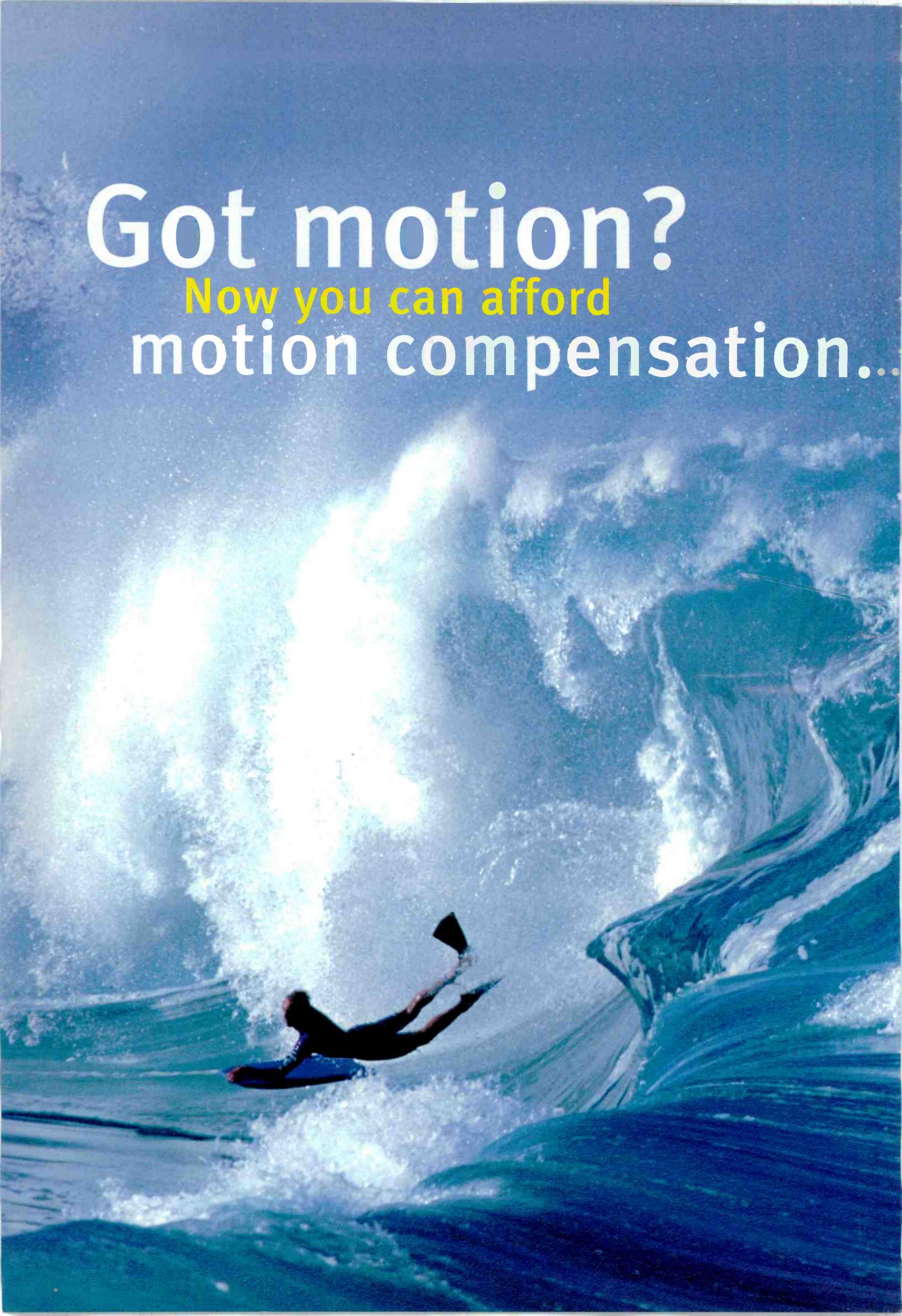
e-Route is perfect for monitoring, production and any remote router control applications. It is compatible with the full line of PESA routers and can be used with switchers from 8x2 to 144x144 and beyond.

Call today and make e-Route part of your PESA routing switcher solution.



Got motion?

Now you can afford
motion compensation...



Everyone knows that for the best quality standards conversion you need motion compensation. It's the only way to get rid of the judder that mars ordinary linear conversions.

But it's expensive. So, even though most video material contains motion, linear processing is still widely used.

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So why compromise with linear conversion? If you've got motion, get Mach1.

Mach1 M.Sc

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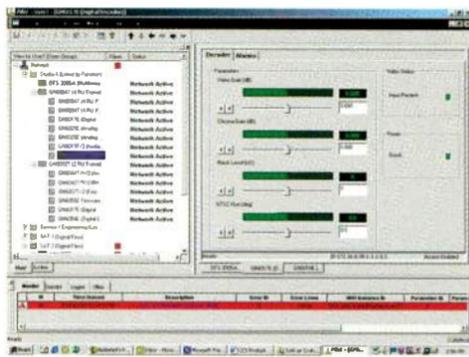
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Circle (12) on Free Info Card



Control system

Leitch Pilot: command control system providing open, scalable access via standard protocols to entire networked systems; Windows-based software allows easy configuration, control, monitoring and secure access to Leitch and third-party networked equipment; comprehensive functionality includes configurable alarm notification for CCS or SNMP-enabled devices to on-screen display, to a database or via e-mail. 800-231-9673; fax: 757-548-4088; www.leitch.com

Circle (100) on Free Info Card



Master control processor

Harris MASTERplus: module is designed to provide DTV stations with all of the functionality needed for high-definition broadcast operations; integrated system provides 13 stand-alone products, multifunction operation supports 1080i/720p/480p, SDI inputs with HD upconverted output available; internal test generator with standard test audio and video signals, program/preset mixer for smooth program transitions complete with standard transition effects. 800-622-0022; fax: 513-459-3890; www.harris.com

Circle (101) on Free Info Card



Distribution amplifier

Miranda Densite: universal A/V/HD distribution amplifier series provides high module density; supports analog, digital and HD, as well as analog and digital audio in the same frame; up to 20 DA modules of any signal type in any 2RU frame; all modules hot swappable; complete with redundant PSUs, full system monitoring provided via GPI, RS-232 or Ethernet port. 514-333-1772; fax: 514-333-9828; www.miranda.com

Circle (102) on Free Info Card

Digital production console

Mackie Designs digital, automated production console: features 56 inputs, eight output channels, 100mm motorized faders, 12 aux sends, full compression and gating on all 48 channels; also features pan and four-band parametric EQ and accepts third-party plug-ins via the Mackie UFX card; console offers a 48-channel overview screen, 999 levels of Un-Do, and Virtual Potentiometer (V-Pot); multifunction control on each input strip provides hands-on control over all channels' panning as well as all auxiliary send, tape output and digital trim levels; all V-Pots have visual feedback, instant recall and full automation capability. 800-898-3211; 425-487-4333; fax: 425-487-4337; www.mackie.com

Circle (103) on Free Info Card



Digital audio router

Wheatstone Bridge 2001: compact digital audio network router, bi-directional with fiber optic or CAT-5 interlocation, all digital AES switching with analog or digital inputs and both analog and AES digital outputs; provides serial control and display with Wheatstone consoles; handles 512 simultaneous channels per backplane and 64 channels simultaneous bi-directional digital audio between changes; X-Y controller commands plus RS-232 data streams. 252-638-7000; 252-637-1285; www.wheatstone.com

Circle (104) on Free Info Card



Production switcher

Pinnacle PDS 9000: offers 36 primary inputs, two independent M/E systems and full-function program/preset band with dual DSKs; each M/E integrates three built-in 10-bit 3D DVEs and 19 multi-page frame stores each holding four frames of video; YUV and option RGB color correction on all six keyer busses; new enhanced FX option allows trail functions and Pinnacle Systems' Exclusive Painterly and Particle effects on all system keyer DVEs. 650-526-1601; www.pinnaclesys.com

Circle (105) on Free Info Card



Serial digital test generator

Evertz Microsystems 7750TG2-HD: provides a continuous 4:2:2 black signal on two outputs in single link mode; two other outputs provide whichever test signal has been selected; dual link mode; the generator provides 4:4:4 test signals; four channels of embedded audio. 905-335-3700; fax: 905-335-3573; www.evertz.com

Circle (106) on Free Info Card



Test and measurement equipment

Pixelmetrix DV Station: offers IP over MPEG traffic monitoring functionality; detects and analyzes IP over multiprotocol encapsulation (MPE) services in real time; monitors audio, video and other broadcast services; measures numbers of bytes, packets and bandwidth in bits per second; features full triggers and alarm capabilities, as well as logging of IP traffic; scales up to 21 TSP100 modules in one mainframe with each monitored MPEG transport stream having dedicated and independent IP over MPE capability. 877-717-4935; +65 5474935; fax: +65 547495; www.pixelmetrix.com

Circle (107) on Free Info Card



Digital video system

Opticomm DVX-5000 System: universal multimedia digital transport system for distribution over wide area networks including PAL, NTSC and SECAM for multi-channel QAM or VSB signals; offers transmission signals for the transport of digitized video, audio and control data signals over single-mode fiber; uncompressed 10-bit serial digital video system at 143-, 177-, 270-, 360-540- and 622Mb/s; data rate is free of adjustment over a wide dynamic range; digital signal offers receiver output stability not affected by the fiber, attenuation, aging, splicing or other factors. 858-450-0143; fax: 858-450-0155; www.opticomm.com

Circle (108) on Free Info Card

Shared storage solution

Accom AFFINITY/san: solution for facilities with a need for more than one nonlinear edit suite; offers real-time, simultaneous high-bandwidth access for multiple users; works in an environment where several nonlinear editing systems, Windows NT graphic workstations and audio suites share footage and files at the same time. 650-328-3818; fax: 650-327-2511; www.accom.com

Circle (109) on Free Info Card



Compact receiver

Lectrosonics UCR201: features 256 frequencies in eight Lectro "blocks"; is compatible with all 200 series transmitters; operates on a single 9V internal battery or external 12VDC powering; also features a front-panel LCD screen, push-button operation and balanced XLR output. 800-821-1121; 505-892-4501; fax: 505-892-6243; www.lectrosonics.com

Circle (110) on Free Info Card



IOT-based transmitter

Acrodyne Quantum IOT-based transmitter: can serve both analog and digital applications with power levels up to 280kW analog and 120kW digital; designed for high reliability and appropriate use of advanced technologies; created to fully exploit the latest generation of IOTs. 610-917-1300; 800-523-2596; fax: 610-917-8148; www.acrodyne.com

Circle (111) on Free Info Card

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SWITCHER

Huge Input Matrix
Up to 64 inputs

Growth Pattern
The same 11 RU frame is used
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"Aspectizer"
Internal aspect ratio converters for
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Ideal for over-the-shoulder boxes

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up/down timer, source ID, safe title,
and more on the PV monitor

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Recall any combination switcher
memories, button pushes,
and external device control

VTR Control
Available at a touch of a button

... and much, much more

Simultaneous 4:3 & 16:9 Production



The Real Shape of DTV

**A switcher
so innovative,
so revolutionary
... you just know
people are
going to talk.**

*"...the Synergy 3 keeps us
competitive in a market with
our LA friends to the south."*

Don Katch
Director of Broadcast Operations
KEYT
Santa Barbara, California
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*"We wanted to make sure our
investment would be as future
proof as possible, so the capability
of 16x9 as well as 4x3 production
was important..."*

John Shutt
Staff Engineer
Michigan State University
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*"At one point during the live
show, the director asked if
Paul could do an unrehearsed
multi-layered DVE effect with a
transition ...he pointed at the Ross
and said, "I could do it if I had
THAT switcher!"*

Andy Carleton & Lee Ollerton
Children's Miracle Network
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ROSS

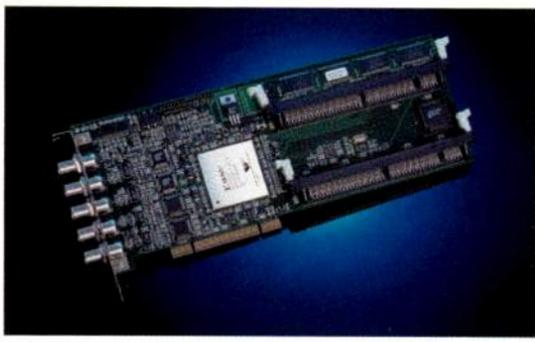
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Circle (13) on Free Info Card





High-definition interface/framestore PCI card

AJA Video Systems HD-NTV: features two channels of HD-SDI I/O; can key HD stills from memory over live video; also captures to print HD images and captures and outputs HD stills; offers mixer/keyer functions, split screen and genlock, as well as Photoshop and PowerCG plug-ins. 530-913-7767; 800-251-4224; www.aja.com

Circle (112) on Free Info Card

Audio post system

AMS Neve Logic 35C: a fully networkable 5.1 audio post system; the latest generation in AMS Neve's Logic series of integrated post systems; offers high-speed editing and mixing that delivers for both studios and their clients; features ESP menu-free mixing. 212-965-1400; fax: 212-965-3739

Circle (113) on Free Info Card



Broadcast audio console

Euphonix System 5-B: 24/96-capable system provides multiple channel paths of full 24-bit/96kHz digital signal processing; enhanced system offers the V2.5 software suite, which includes a modular post-production panel equipped with PEC/Direct monitor controls allowing 32 external inputs to implement console functions; also, frame options including a 48-fader desk that can be outfitted with two producer's desks; incorporates multifunction channels, enabling operators to control up to eight channels at a time from a single on-surface channel strip. 818-766-1666; fax: 818-766-3401; www.euphonix.com

Circle (114) on Free Info Card

Camcorder

JVC Professional Products Company DY-70: combines 14-bit DSP camera technology with an all-digital 4:2:2 camcorder; utilizes three 380,000-pixel, 1/2-inch IT CCDs with microlens technology; provides a sensitivity of F11 at 2000 lux; 125dB suppression reduces smear; weighs 15 pounds, with a power consumption of 26W. 800-JVC-5825; 973-315-5000; fax: 973-315-5030; www.jvc.com/pro

Circle (115) on Free Info Card

Database interface software module

Crispin WebAgent: interfaces with Crispin's database, AssetBase; checks video servers and other resources to make sure they're online and available; gathers information on the server, material ID, comment and duration from these devices if available; generates dublists for Crispin's Dubber 2000 module; takes translated traffic files from AssetBase to generate discrepancy reports and gather typical traffic log information; can only be used in conjunction with AssetBase. 919-845-7744; fax: 919-845-7766; www.crispincorp.com

Circle (116) on Free Info Card

Image processing tool

Digital Vision AGR-IV: grain and noise reduction system for film, videotape restoration and MPEG pre-processing; features advanced motion processing and adaptive 3D filters; system is based on the DVNR real-time processing engine; available in SD and HD formats. 888-914-5200; 310-914-5200; fax: 310-914-0011; www.digitalvision.se

Circle (117) on Free Info Card

Graphics software

Discreet Logic frost 2.5: allows for simultaneous Web updates and enables interactive and enhanced television applications with real-time graphics; effects system enables broadcasters to build graphics for television and Web branding; allows designers to take full advantage of modeling and animation while rendering in real time. 800-869-3504; 514-272-0525; fax: 800-305-6442; www.discreet.com

Circle (118) on Free Info Card



MPEG-2 video disk recorder

Doremi Labs V1-MP2: uses MPEG-2 compression; features simultaneous record and playback for time delay and instant replay of live video feeds; can be used as a drop-in replacement for video tape recorders and a playback device for video presentations; available with a full-function front panel, digital and analog video inputs and outputs, and up to eight digital or analog audio channels. 818-562-1101; fax: 818-562-1109; www.doremilabs.com

Circle (119) on Free Info Card



Video editing systems

Leitch/DPS dpsReality HD: allows users to create productions in HD and SD, as well as for DVD and Internet distribution; system allows transitions and effects to be previewed in real time to the VGA screen or any SD monitor capable of 16:9. 800-775-3314; 859-371-5533; fax: 859-371-3729; www.dps.com

Circle (120) on Free Info Card

Test chart

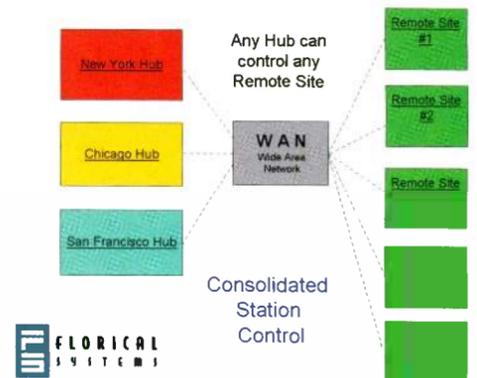
DSC Laboratories CamAlign Maxi test chart: precise patterns enable users to optimize the performance of broadcast and professional video cameras; can be used to evaluate and service video cameras in operations, studio and field applications; patterns include standard crossed grayscales, vector colors, hyperbolics, multibursts, flare and monitor resolution tests; charts measure 40"x24" or 36"x24"; available in combined 16:9/4:3 formats. 800-267-5227; 905-673-3211; fax: 905-673-0929; www.dsclabs.com

Circle (121) on Free Info Card

Automation system

Encoda DAL Remote Manager: system assists broadcasters to operate multiple facilities from a central operations facility; allows facilities to manage the playback of a group of stations from a remote location, but still allows local stations to incorporate local playback of news and local interest programming. 303-237-4000; fax: 303-237-0085; www.encodasystems.com

Circle (122) on Free Info Card



Station control system

Florical Systems Consolidated Station Control: allows for control of multiple stations from a central location; features multiple time zones synchronized to Universal Coordinated Time, geographically distributed Device Servers, zero timing at the final switch for video/audio sources originating in different locations and remote ingest to central server. 352-372-8326; fax: 352-375-0859; www.florical.com

Circle (123) on Free Info Card

Wireless ENG microphones

Audio Specialties Group/Systems Wireless Lectrosonics 200 series: frequency-agile system with over 250 available frequencies; compatible with all 200 Series transmitters; rugged, compact design. 800-542-3332; 703-471-7887; fax: 703-437-1107; www.swl.com

Circle (124) on Free Info Card

Master control solution

Pinnacle Systems DekoCast: features integrated CG, DVEs, 24-track audio mixer and two-channel video and audio clip server; two live video inputs, any video clip and individual graphic objects can be independently and simultaneously controlled by the DVE; audio controls include 24-input patch control and attenuation functions. 650-526-1600; fax: 650-526-1601; www.pinnaclesys.com

Circle (125) on Free Info Card

Editing platform

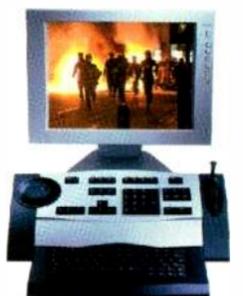
Quantel iQ: platform offers tools for content creation, including multiresolution HD editing, networked worksharing and processing of third-party applications and plug-ins. 203-656-3100; fax: 203-656-3459; www.quantel.com

Circle (126) on Free Info Card

Live production server

Quantel Clipbox Studio: offers access to video clips and stills for studio programming; provides resizing and re-aspecting capabilities for each output through internal 2D DVEs; this feature allows for windowed over-the-shoulder style presentation; internal mixers provide cross-fade capabilities between channels and on-board key combiners allow for live compositing of foreground over background. 203-656-3100; fax: 203-656-3459; www.quantel.com

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Digital console

Sennheiser Electronics Sensory Compact: offers 32 mic/line inputs and eight line-only inputs feeding 32 patchable input channels; each channel includes a digitally controlled preamp, a low-cut filter and a gate/expander, as well as four bands of fully parametric equalization and a four-digit label display; 12 buses mix down to three masters: L/R-mono, LCR or user-defined arrangements; the unit also has 16 matrix outputs with full digital processing. 860-434-9190; fax: 860-434-1759; www.sennheiserusa.com

Circle (128) on Free Info Card

Asset management system

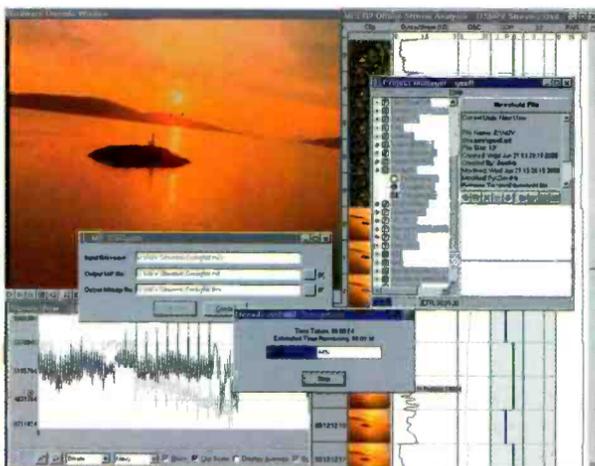
Silicon Graphics SGI StudioCentral Library 3.0: flexible, scalable system provides immediate access to storing, securing and managing digital assets including versioned/non-versioned text files and streaming media; can be used as a single workstation or multiple workgroups; provides StudioCentral server functionality from any platform. 650-960-1980; 800-800-7441 fax: 650-933-0819; www.sgi.com/go/broadband

Circle (129) on Free Info Card

HD routing switcher

Sierra Video Systems Shasta 1616HD: offers 1.5Gb/s serial digital HDTV routing of 16 inputs and 16 outputs; local RS-232/RS-422 ports provide a terminal and machine control interface; local control panel option enables the entire system to fit in 1RU; inputs accept NTSC, PAL, composite sync, V drive and HD tri-level sync, as well two non-standard composite sync signals. 530-478-1000; fax: 530-478-1105; www.sierravideo.com

Circle (130) on Free Info Card



MPEG file analysis software

Snell & Wilcox Mosalina: running on Windows '95, '98 or NT computers, Mosalina works faster than real time to analyze standard-definition MPEG video (high-definition video analysis is also available); the software is available in Basic, Advanced and Expert versions; provides automated quality assurance during all phases of video production, including creative DVD authoring, streaming, post production, broadcast and archiving. 408-260-1000; fax: 408-260-2800; www.snellwilcox.com

Circle (131) on Free Info Card



Digital broadcast console software

Solid State Logic Aysis Air enhancements: new features include fader back-stop PFL, which provides for faster, smoother live operation; the Aysis Air console offers 48 channel faders for control of up to 96 simultaneous inputs; system provides 48 buses, each with talkback and tone injection. 212-315-1111; fax: 212-315-0251; www.solid-state-logic.com

Circle (132) on Free Info Card



DVCAM field editing recorder

Sony DSR-70A: enhanced revision of DSR-70 DVCAM field editing recorder/player; provides full range of analog and digital interfaces, as well as a search dial function and a built-in 6.4-inch VGA LCD screen; also features playback compatibility with DV family formats (25Mb/s) including consumer DV and DVCPRO; DVCAM format uses eight-bit digital component recording with a 5:1 compression ratio and sampling rate of 4:1:1. 800-686-SONY; 201-930-1000; fax: 201-930-4752; www.sony.com/professional

Circle (133) on Free Info Card



Nonlinear editing systems

Sony XPRi SD/XPRi HD: provide SD to HD migration solutions with HD 1080/24p universal mastering; offer real-time native MPEG IMX 50Mb/s and HDCAM I/O for storage capacity; systems share the same software and hardware platform/interface; features include support for SD PAL, NTSC and HD1080-50i/60i/24 signals, as well as external control panels, which provide a linear feel to transport, audio, effects and media parameter manipulation. 800-686-SONY; 201-930-1000; fax: 201-930-4752; www.sony.com/professional

Circle (134) on Free Info Card

Monitor

Sony BVM-F24U CineAlta monitor: 16:9 widescreen flat CRT monitor with a 24-inch viewable area; allows for critical evaluation of e-cinema content, including motion pictures produced in 1080/24p; multi-high scan monitor can display analog RGB and HD-SDI signals at horizontal frequencies of 54- to 90kHz and vertical frequencies of 48- to 75Hz; monitor accepts dual-link 4:4:4 mode HD-SDI signals. 800-686-SONY; 201-930-1000; fax: 201-930-4752; www.sony.com/professional

Circle (135) on Free Info Card



Community broadcast facility

SpectraSite Broadcast Group Community Broadcast Facility: allows multiple broadcasters to utilize a common transmission site in order to shorten project timelines and preserve capital; SpectraSite obtains the site, gets zoning approval, and builds and manages the facility. 972-550-9500; fax: 972-550-9595; www.spectrasite.com

Circle (136) on Free Info Card

RAID storage

Storage Concepts FibreBlock Extreme: full-featured RAID 3 Fibre Channel storage solution developed in conjunction with Trimm Technologies; designed to provide large volume Internet and video content users with a high-capacity, high-speed storage solution; combines FibreBlock controllers with Trimm's enclosure to offer optimized throughput and fault-tolerant performance as part of FAST Technologies' StrongBox series. 949-852-8511; 800-525-9217; fax: 949-852-8930; www.storageconcepts.com

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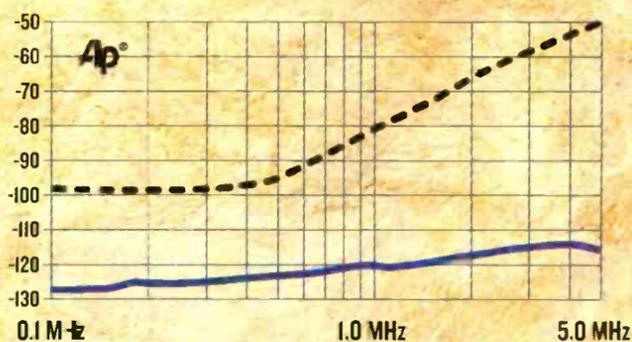
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Small footprint server system

Leitch VR Technology family: display four to 40 plus channels of video with the software application values that are included in each server; at will access means a tapeless, digital solution without transferring files, copying video or managing multiple storage sites. 800-231-9673; fax: 757-548-4088; www.leitch.com

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Data broadcast system

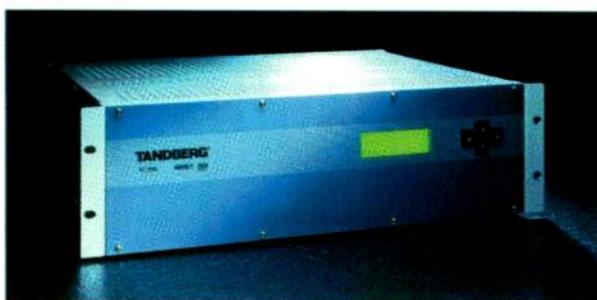
Triveni Digital SkyScraper DB-10: extensible modular platform for end-to-end secure data broadcasting; allows operators to insert interactive TV contents in DTV transport streams; DataFab module allows information providers to specify information contents and broadcast schedules; DataHub module allows for the allocation, scheduling and metering of the bandwidth. 609-716-3505; fax: 609-716-3503; www.TriveniDigital.com

Circle (139) on Free Info Card

Video-on-demand solution

Streaming21 streaming solution: system allows for the delivery of broadcast-quality video and audio streams through global IP networks to interactive set-top boxes; this allows viewers to watch programming when they want rather than having to wait for a pre-programmed broadcast time to watch a limited number of movies; created in conjunction with Neon Technology and Sigma Designs; Streaming21 will contribute carrier-class delivery and a content distribution platform, to which Neon will add their SurfReady set-top box environment, which will use Sigma Designs' decoder chips to allow for easy Internet access and high-quality video. 888-88STREAM; www.streaming21.com

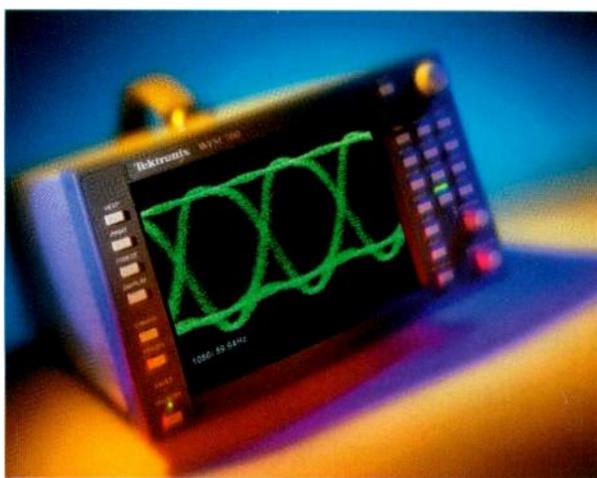
Circle (140) on Free Info Card



Video delivery system

Tandberg IP MultiStreamer: system allows TV and on-demand services to be delivered over IP broadband networks; places the majority of the decoding and translation functionality at the network headend so less complex set-top boxes are needed in customers' homes; combines an integrated receiver and descrambling solution with new MPEG-2 processing elements; can receive, decode and process transmissions from a digital satellite transponder, digital cable headend or digital terrestrial transmitter; splits the MPEG-2 stream into single program streams, which are then transmitted as IP Multicast sessions over the xDSL network. 949-757-0488; fax: 949-757-0489; www.tandbergtv.com

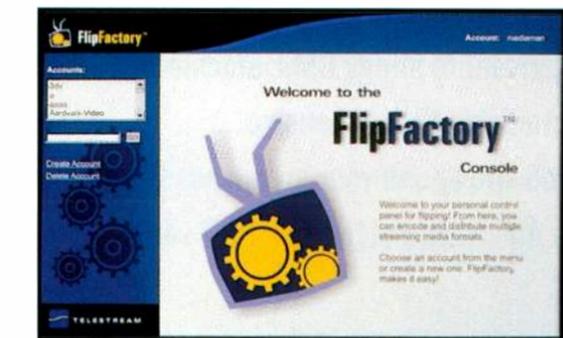
Circle (143) on Free Info Card



Waveform monitor

Tektronix WFM700: multistandard, multifunction, modular monitoring/measurement platform; offers multiple display options — including industry-standard Vector, Diamond, and Arrowhead displays and typical waveform and data displays — to simplify the task of ensuring legal and valid signals and facilitate system design and integration; also features HD and SD eye-pattern measurements, jitter measurement displays and Ethernet connectivity. 800-835-9433; 503-627-7111; fax: 503-222-1542; www.tektronix.com

Circle (144) on Free Info Card



Media delivery software

Telestream FlipFactory: eliminates encoding process by "flipping" source files into user-specified formats and forwarding the files to appropriate servers in Internet time; software simultaneously transcodes source video into multiple streaming and bit rates and sends it to FTP servers, web servers, caching networks and individual mailboxes in the format needed; Flipware architecture also allows for enhancements such as noise reduction and the addition of watermarks during the process; simple, automated solution runs on a standard Windows NT or Windows 2000. 877-CLPMAIL; 530-470-1300; fax: 530-470-1301; www.telestream.net

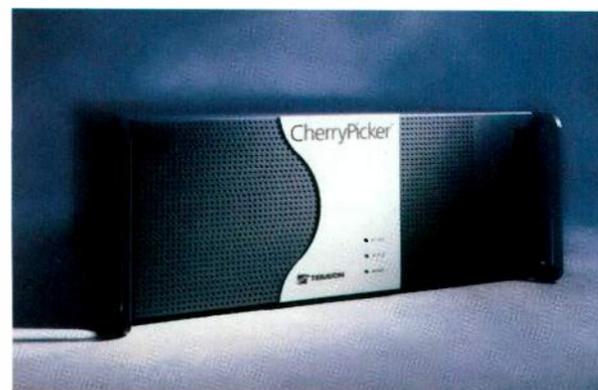
Circle (145) on Free Info Card



Intercom

Telex BTR-800: two-channel, fully UHF intercom system; allows two distinct channels of intercom to be accessed by one or more wireless extensions to the intercom system; user-synthesized to allow broadcasters to keep intercom systems clear of other wireless equipment; allows users to send a dry line-level audio signal at +8dB to a given destination, allowing users to trigger a two-way radio and route audio over it or any closure-activated device. 800-392-3497; 952-884-4051; fax: 952-884-0043; www.telex.com

Circle (146) on Free Info Card



Media delivery platform

Terayon CherryPicker 7000: system optimizes bandwidth; statistical remultiplexing technology allows operators to unbundle and combine compressed streams from a variety of input sources in order to create an output multiplex to deliver customized programming; real-time switching and splicing take place completely in the compressed digital domain; system is capable of changing bit rates from input to output; provides seamless integration of remote and local video and audio, digital ad insertion, and other operator-provided content. 888-7TERAYON; www.terayon.com

Circle (147) on Free Info Card

Switcher

Thomcast Communications Amethyst: offers advanced switching of MPEG-2 transport streams; features continuous signal monitoring and analysis for real-time switchover triggering with no synchronization loss, as well as a dual power supply and switching on DVB-PI ASI and M2S signals; allows users to select parameters to trigger switchover; also features RS-232 and RS-485 interfaces for local control. 413-569-0116; fax: 413-569-0679; www.thomcastcom.com

Circle (148) on Free Info Card

Digital video mixer

Thomson Broadcast Alteo: designed for applications from 1.5 M/E to 3.5 M/E; module-based architecture allows operators to combine panels of different sizes to meet their needs; features can be configured "live." 800-882-1824; 201-569-1650; fax: 201-569-1511; www.thomsonbroad.com

Circle (149) on Free Info Card

Stream monitoring and analysis system

Triveni Digital StreamScope MT-20: allows users to monitor, measure, record and analyze properties of an ATSC DTV broadcast stream using a graphical interface. 609-716-3505; fax: 609-716-3503; www.TriveniDigital.com

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Scheduled Time	Program Name	Episode Info	Satellite Name	Transponder	Tag ID
2:30:00 AM	House of Power		TELESTAR4	T7	1413
2:45:00 AM	LIVE MONDAY PROMO LIVE FEED		TELESTAR4	T14	924
3:00:00 AM	LIVE REGIS/KATHIE		TELESTAR4	T14	REGKON
3:00:00 AM	MAURY PORNCH	MONDAY MAURY PORN	TELESTAR4	T21	MPMON
3:00:00 AM	REAL TV (KON)	REAL TV (KON)	TELESTAR4	T15	2818
3:30:00 AM	NEWS		TELESTAR4	T8	
3:30:00 AM	HAD ABOUT YOU/WHY HAD ABOUT YOU		TELESTAR4	T24	4440
3:30:00 AM	OWN FEED	NEWS	GE-3	T9	
3:45:00 AM	OPRAH PROMOS		TELESTAR4	T16	OP123
10:00:00 AM	OPRAH (MOD)	OPRAH WED	TELESTAR4	T16	1426
10:00:00 AM	ROSE (MON)	ROSE OODNLD SHOW GALAXY-6	T5		ROSEMO

Satellite recording system

Sundance Digital Intelli-Sat: automated system allows all network users to schedule satellite records from desktops; program controls dish positions, tunes receivers, assigns a machine to record material and switches the router; available as a complete scheduling and automation solution or as single task-specific modules. 972-444-8442; fax: 972-444-8450; www.SundanceDigital.com

Circle (141) on Free Info Card

Digital audio delay unit

Symetrix 6100 Broadcast Audio Delay: first in the AirTools family; 24-bit digital delay unit prevents unwanted profanity from reaching the airwaves; the unit delays the program until up to 20 seconds of 20kHz bandwidth stereo audio is stored in memory; if a person on a telephone line says something inappropriate, it can be dumped before it is aired; unit offers additional features, including an automation interface, for network broadcasts. 425-787-3222; fax: 425-787-3211; www.symetrixaudio.com.

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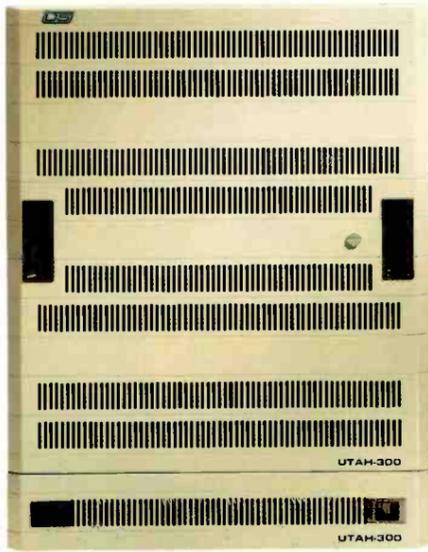
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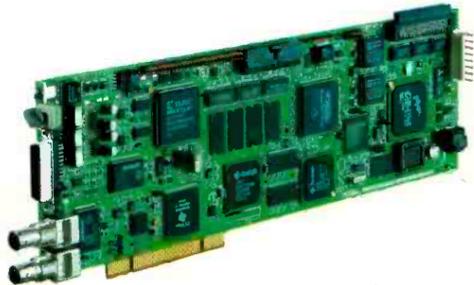
<http://www.axon.tv> E-mail: info@axon.tv

Circle (25) on Free Info Card



Digital/analog router

Utah Scientific UTAH-300: offers several frame sizes to provide for modular growth and space-efficient rack planning; features reasonable cross-point densities and allows analog and serial digital signals in the same frame; efficient 32x32 building block provides a balance between frame density and modularity. 801-524-9999; fax: 801-524-0555; www.utahscientific.com
Circle (151) on Free Info Card



High-definition decoders

Vela CineCast HD/1 and CineCast HD/2: single- and dual-channel SCSI-based high-definition 4:2:0 MPEG-2 decoders support all 18 ATSC formats, including standard HDTV resolutions; decode DVB- and ARIB-compliant transport streams, receiving command and media data through an Ultra SCSI-2 LVDS interface; systems also provide dual-channel stereo decoding of MPEG layer audio, Dolby Digital (AC-3) or AAC audio. 727-507-5300; fax: 727-507-5311; www.vela.com
Circle (152) on Free Info Card

Graphics system

vi[z]rt video engine: system combines graphics and content management with an internal digital disk recorder in a PC architecture; allows post graphics to be mixed with real-time graphics live; also provides motion graphics authoring, rendering and playback. 877-955-2230; 212-463-9902; fax: 212-463-9931; www.vizrt.com
Circle (153) on Free Info Card



Test and measurement equipment

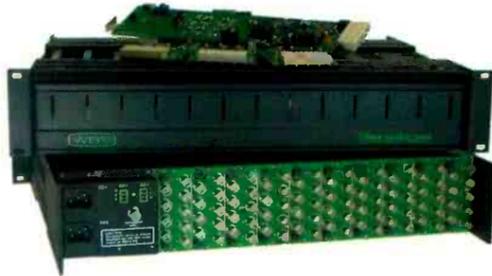
Videotek STM-350: allows users to monitor multiple transmitter sites and multiple stations from a central location; provides full-confidence video and audio streaming for live motion images and stereo audio from Videotek's VTM-300 and VTM400HD systems; offers increased ability to view real-time waveforms, vector, video and audio displays using standard LAN, WAN or Internet connections. 610-327-2292; fax: 610-327-9295; www.videotek.com
Circle (154) on Free Info Card

Test and measurement system

Videotek VTM-200: new version of multifunction on-screen monitor includes composite display output; allows users to monitor and measure 601 and ES digital and composite analog (NTSC or PAL) video and audio signals; output display includes video picture, waveform, vector or optional audio. 800-800-5719; 610-327-2292; fax: 610-327-9295; www.videotek.com
Circle (155) on Free Info Card

Tripod

Vinten Pozi-loc: new range with innovative positive action and cam-operated clamps for secure locking. 845-268-0100; fax: 845-267-0113; www.vinten.com
Circle (156) on Free Info Card



Rack mounting card frame

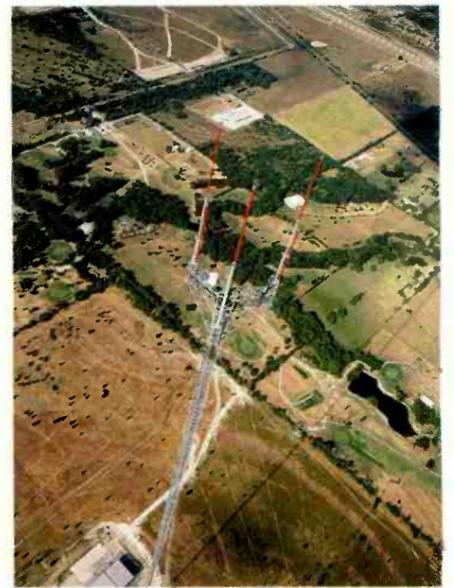
Ward-Beck Systems Serialboxx: comprises a versatile rack mounting card frame and a series of plug-in amplifier modules; the various amplifier modules are designed to handle analog and digital video signals; plug-in models include serial digital video, AES audio, analog video and analog audio modules. 800-771-2556; 416-335-5999; fax: 416-335-5202; www.wbsltd.com
Circle (157) on Free Info Card

Portable downconverters

YEM HDC-2000 and HDC-3000 HD: HDC-2000 converts from HD analog signals to SD-SDI 4:2:2 signals and SD analog composite signals; output is 1080/25 (sF) in PAL and NTSC; features include 2:3 pull-down processing at p (sF) input and squeeze, letterbox, and edge-crop aspect ratio conversion modes; the HDC-3000 is exclusively for digital signal conversions: HD-SDI to SD-SDI 4:2:2 and HD SDI; both units respond to four input signal formats: 1080/23.976p (sF), 1080/29.97p (sF), 1080/59.92i and 1080/25.00 (sF). 310-544-9343; fax: 310-544-9363; www.yem.com
Circle (158) on Free Info Card

Teleprompter software

QTV WinCueLT: upgrade to QCPWIN prompter program; operates in a Windows95/98NT environment; features spell check, hard copy and support for thousands of scalable True Type fonts; system is multilingual; inserts error marks while scrolling; operates on a laptop or desktop; no preview screen is needed. 212-460-9050; fax: 212-328-1699; www.qtv.com
Circle (159) on Free Info Card



Broadcast towers

Richland Towers broadcast towers: Richland offers custom-designed tower lease programs and multi-tenant tower projects to provide broadcasters with the highest allowable FAA tower heights and maximum FCC antenna CORs. 813-286-4140; fax: 813-286-4130; www.richlandtowers.com
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Digital test transmitter

Rohde & Schwarz SFQ: frequency agile test transmitter modulates MPEG-2 transport streams to international RF standards including ATSC/8VSB, ITU-T/J.83B, DVB S/C and DVB-T; precise amounts of gaussian noise can be added for establishing receiver C/N specifications; multiple ensembles up to 12 fading paths can be inserted. 410-910-7800; fax: 410-910-7801; www.rohde-schwarz.com
Circle (161) on Free Info Card

AES synchronous digital audio

Sierra Video Systems Yosemite: available in 3RU 64x64, 4RU 96x96 and 5RU 128x128 matrix sizes; module filters audio stream inputs at any rate through its internal sample rate converter and converts to the desired output sample rate; also features optional "bypass mode," which allows the input synchronizing circuit to be bypassed for non-AES/EBU signals. 530-478-1000; fax: 530-478-1105; www.sierravideo.com
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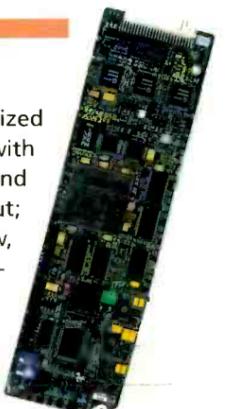


Broadband antenna

RFS Broadcast RD Series: designed for the digital NTSC/DTV market; wideband (100MHz), low VSWR, low wind load; allows use of a single UHF TV antenna for multi-channel NTSC/DTV applications; features include single or dual option, power rating up to 200kW NTSC and top- or side-mount configuration. 203-239-3311; 203-239-9260; www.rfsamericas.com
Circle (163) on Free Info Card

Master control switcher

Ross Video CDK-111: single DA-sized card provides video mixing, keyer with built-in animated logo storage and frame synchronizers for every input; other features include full preview, program bypass relay and automation port. 613-652-4886; fax: 613-652-4425; www.rossvideo.com
Circle (164) on Free Info Card



Solving the Digital Puzzle

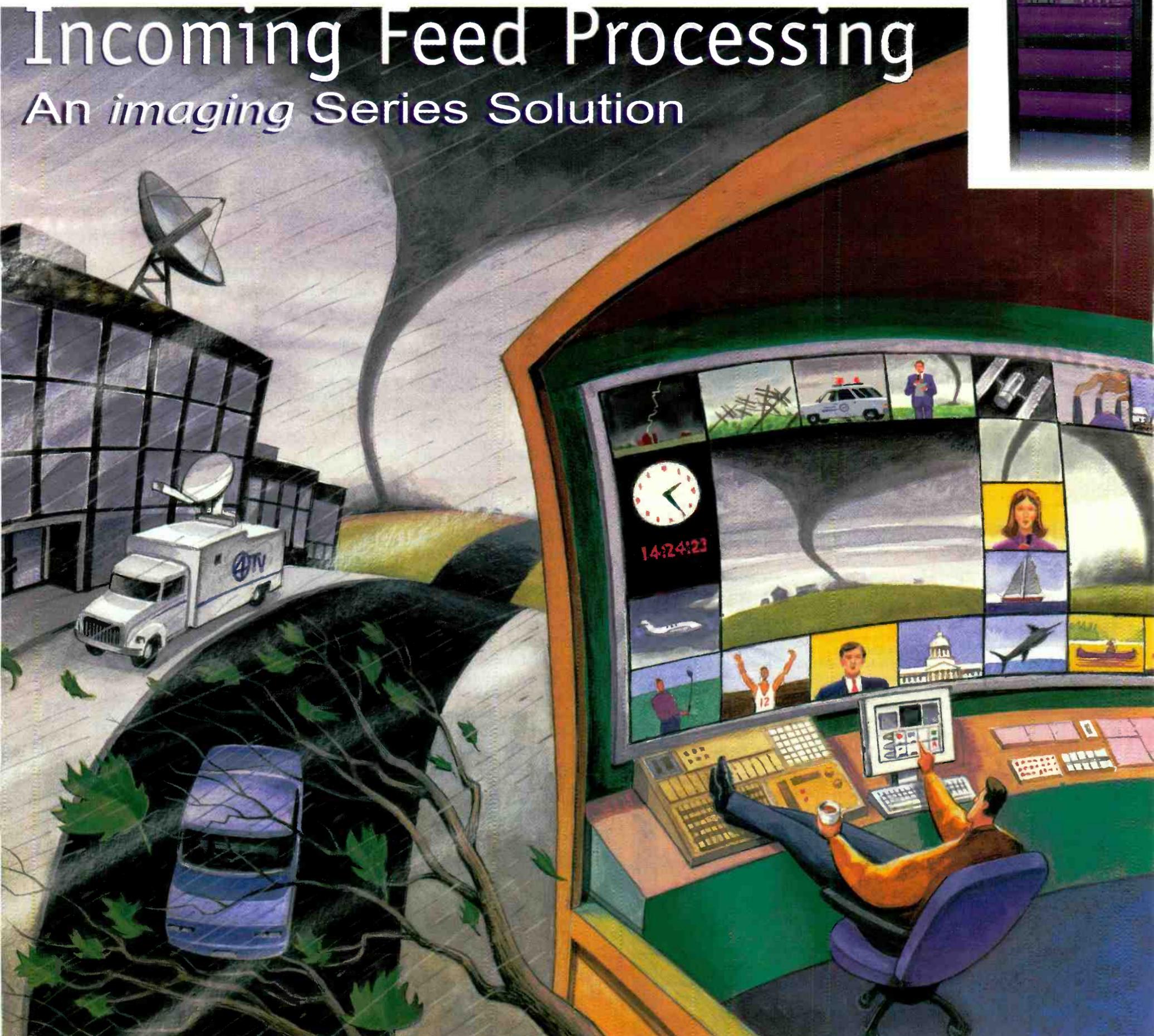


Fix your Incoming Feeds

The Miranda *imaging* Series provides broadcasters with the most integrated and compact solution for decoding, equalizing, synchronizing, processing and adjusting video and audio signals regardless of original format. All the functionality you need on two compact cards, allowing multiple channels per frame to be fixed. Connect to this our highly adapted control solution and you will be able to weather the worst of feeds with ease.



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Multiviewer solutions

Zandar Technologies HiResolution MultiViewer/DX series MultiViewer: the HiResolution MultiViewer is equipped with up to 26 inputs; provides optional genlock to a computer graphic input and a high-resolution output programmable up to SXGA; the DX series delivers modular configurations for four, eight, 12 or 16 SDI or composite analog inputs, with auto detect of NTSC, PAL or SDI formats. 408-782-9725; fax: 408-782-9825; www.zandar.com

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Media converter

Laird Telemedia LTM-5500: professional bi-directional analog-to-digital FireWire media converter features component, composite, Y/C and DV in and out; offers balanced audio I/O and is PAL and NTSC compatible. 800-898-0759; 914-339-9555; fax: 914-339-0231; www.lairdtelemedia.com

Circle (166) on Free Info Card

DSNG encoder

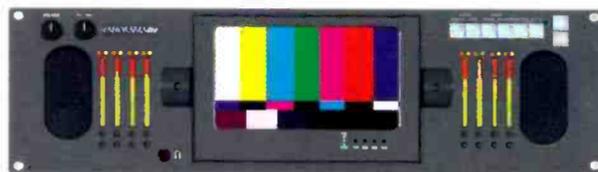
Scopus CODICO E-1700: features built-in modulator to allow for encoding and modulation in one unit. 858-618-1600; fax: 858-618-1615; www.tadiranscopus.com

Circle (167) on Free Info Card

Video delivery platform

SeaChange International VIP Streamer: platform for high-bandwidth video delivery over TCP/IP networks; NT/Pentium-based hardware and software solution incorporates RAID-5 storage and complete system redundancy. 978-897-0100; fax: 978-897-0132; www.schange.com

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Audio/video monitoring

Wohler VAMP-3 SDI: allows users to monitor audio and video from two selectable SDI digital and one composite analog video source; also includes four auxiliary AES inputs and eight analog audio inputs; features built-in seven-inch widescreen color LCD for confidence monitoring. 888-596-4537; 650-589-5676; fax: 650-589-1355; www.wohler.com

Circle (169) on Free Info Card

Robotic pan-and-tilt head

Radamec 433 Weather-Cam: new robotic pan-and-tilt head is designed for severe weather conditions; also provides surveillance at long range; sturdy gearboxes maintain stability in strong winds and support up to 44 pounds; can be controlled from four separate control panels, with extra controls for weather-proof housing functions. 877-RADAMEC; 732-246-0906; fax: 732-448-1184; www.radamec.com

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Virtual studio system

For-A digiWarp-EX: simple, cost-effective virtual studio system with 2048x2048 pixel, high-resolution background that prevents picture deterioration during zooms; easy system setup and breakdown for increased mobility when changing studio locations; auto defocus background in response to camera zoom. 212-861-2758; fax: 212-861-2793; www.for-a.com

Circle (171) on Free Info Card



Computer-to-video scan converter

Extron VSC 75: uses exclusive digital processing to convert high-resolution computer video images from as high as 1280x1024 at 60Hz down to NTSC or PAL video for use in video recording, video conferencing or viewing applications; offers an internal color bar generator, two user-selectable levels of vertical filtering, extensive picture adjustment controls, RS-232 control and a rack-mountable enclosure. 800-633-9876; 714-491-1517; www.extron.com

Circle (173) on Free Info Card

Instant access video server

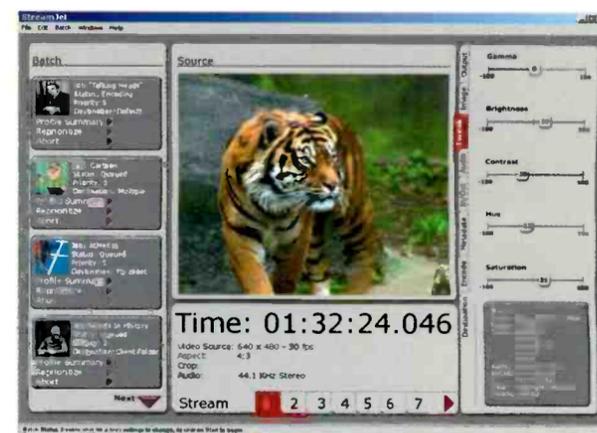
EVS Live Slow Motion System: offers configurations for production applications and for integration in automated contribution and distribution systems; operator control is offered through intuitive Windows-based programs or by means of dedicated consoles if instant access is required; various remote control protocols enable third-party automation; features Super Split, a tool for Barker channels offering full-color graphics and dynamic display scheduling. +32 42 22.00.70; fax: +32 42 22 22 98; www.evs.tv

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Video playout product

Inscriber Technology LIVE!Clips: designed for use in news, sports, weather, music and any other 24-hour broadcast channel; offers increased board support and a media management module; available separately as software and board bundle or as software only as Inscriber E-Clips. 800-363-3400; 519-570-9111; fax: 519-570-9140; www.inscriber.com

Circle (175) on Free Info Card



Internet encoder

Grass Valley Group Aqua: part of the Grass Valley Group Web Media Publishing offering; provides high streaming throughput per rack unit of space; features One Pass Encoding technology to pre-process, capture, clean and encode input source and render it into multiple streaming formats at multiple rates in real time; accessible through any standard Web browser; addresses stream bandwidth ranging from 28.8Kb/s to greater than 2Mb/s; supports all major streaming formats. 800-824-5127; fax: 530-487-3755; www.grassvalleygroup.com

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Rack Mount Products

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Dual Power Supply \$ 895
FR2D 2-RU, Forced-Air Cooled, 10-Slot Frame
Dual Power Supply \$1,490

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Multi-pair cables

Gepco 5596GFC series: next-generation 110Ω AES/EBU digital audio multi-pair cable is designed for superior electrical and mechanical performance; highly accurate for transmission of all formats of AES-3 digital audio, including 24-bit, 96kHz; features an extended 12.3MHz bandwidth, ultra-low attenuation and jitter, mechanical stability, and a 110Ω impedance. 800-966-0069; fax 847-795-8770; www.gepco.com

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Two for the Road

from a growing family



The 200 Series family of wireless microphone products is truly the reference standard for performance and quality in broadcast and motion picture production. The design includes 256 selectable UHF frequencies, SmartSquelch™ and SmartDiversity™ adaptive processes to optimize reception in adverse conditions, wide-range input limiting, a dual-band compandor for superb audio quality and the most rugged and ingenious mechanical designs available.



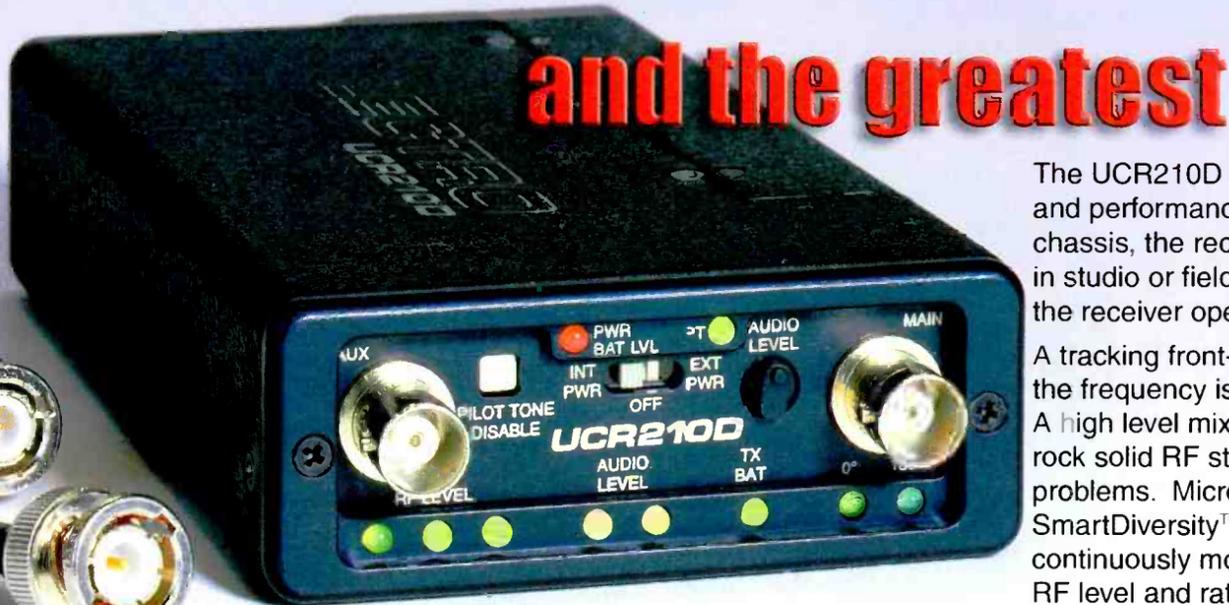
the latest

The UCR201 compact receiver is the newest addition to the growing 200 Series family. This new receiver introduces an impressive variety of useful new features in a mid-priced wireless system for camera-mounted ENG and field production. All operating parameters and functions are set with an LCD interface.

During use, the LCD display shows RF level, audio level, transmitter and receiver battery status, diversity antenna activity and the presence of a pilot tone from its matching transmitter. The unique features include automatic RF site surveying with a built-in spectrum analyzer to identify interfering signals and locate clear operating frequencies. The results of the survey are displayed in a scrollable window on the LCD screen to provide a visual presentation of all signals present across the entire tuning range of the receiver. This is useful technology.



The machined aluminum housing and battery door provide a rugged package ready for the real world. The attached battery door rotates to open, and securely latches in place when closed.



and the greatest

The UCR210D compact receiver is the epitome of flexibility and performance. Built around a solid aluminum monoblock chassis, the receiver is perfectly at home in any application in studio or field. Internal battery or external DC power let the receiver operate anywhere.

A tracking front-end filter section automatically retunes as the frequency is changed to stay centered over the carrier. A high level mixer and digital pulse counting detector ensure rock solid RF stability without intermodulation and thermal problems. Microprocessor controlled SmartSquelch™ and SmartDiversity™ functions adapt to changing conditions by continuously monitoring audio level, HF content in the audio, RF level and rate of change of RF level to determine the optimum timing for squelch and diversity activity. This integrated process completely eliminates noise from dropouts at close range with aggressive squelching, yet still provides maximum operating range when it is needed.

The front panel of the receiver displays all parameters of operation with highly visible multi-color LEDs. The color shifts from green to yellow to red as levels fall. The panel is clearly visible in dimly lit areas, direct sunlight and at a distance.



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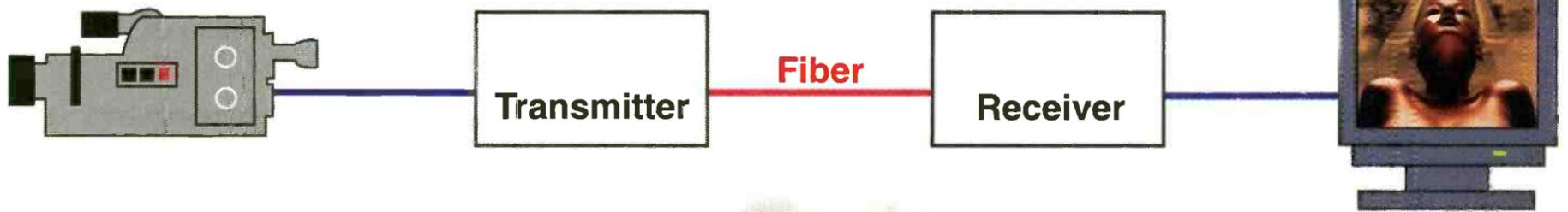


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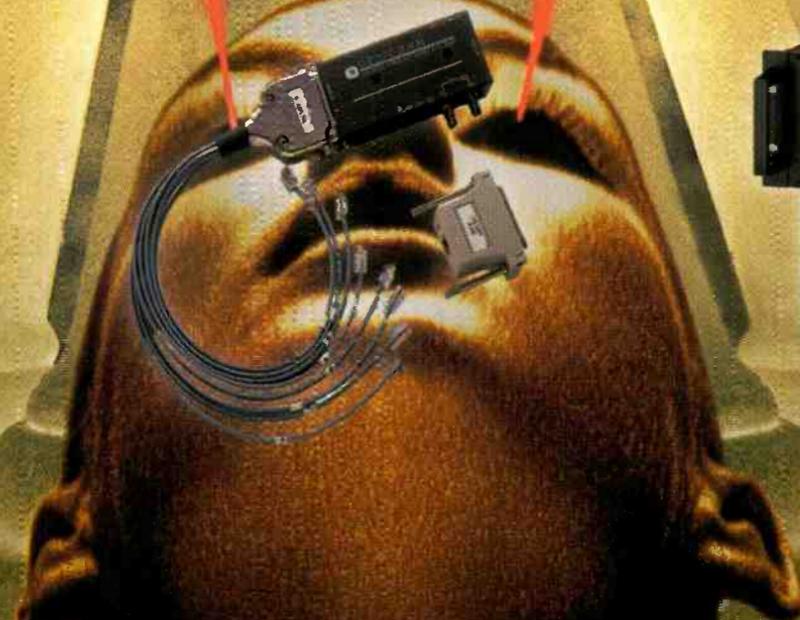
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Routers

Grass Valley Group Concerto, Tempo and Bravo routers: offer a flexible, future-proof design for a variety of applications – from multiscreen presentations to video and audio over broadband networks to traditional television-related uses; Concerto series features FlexFrame technology to enable format mixing within a single frame while supporting SD and HD video signals, and AES/EBU digital audio; Tempo series offers FlexPoint technology that lets users configure 34 ports as I/Os; Bravo series provides entry-level series of fixed-configuration utility routers. 800-824-5127; fax: 530-487-3755; www.grassvalleygroup.com
Circle (177) on Free Info Card



D/A converter

Audio Technologies Inc. DM200: accepts AES/EBU format digital audio data via 110Ω XLR and 75Ω BNC and RCA connectors; 24-bit, 96kHz D/A converter feeds stereo headphone drivers, balanced audio line outputs and a stereo LED meter; input sample rates of 32-, 44.1-, 48-, 82.2- and 96kHz are decoded and indicated with a front-panel display; a data "valid" light indicates that there have been no data or transmission errors. 800-959-0307; fax 215-443-0394; www.atiguys.com
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Newsroom automation system

Autocue Q Series: comprises Q-Net scripting and prompting, Q-News newsroom tools, Q-Media media asset management and QTX transmission automation; new system features the ability to combine manual and automated transmission, allowing manually-controlled items to be inserted into an automated sequence. 704-377-1496; fax 704-377-6336; www.autocue.co.uk
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Digital cinema player

Avica FilmStore: employs Avica's Digital Media Platform featuring compression- and encryption-independent hardware and software; can be used as a stand-alone playback device or in a server configuration; load-in, playlist creation, management and maintenance functions including disk drive replacement can be accomplished without interrupting playback. 800-706-0077; fax: 310-450-5353; www.avitech.com
Circle (182) on Free Info Card

Newsroom system

Avid NewsCutter XP 2.0: new release offers full support for Avid Unity for News, including MediaManager and TransferManager; allows user to edit while recording; features auto voiceover, which allows one keystroke setup for voiceovers; Script-based I/O allows the insertion or deletion of words and changing the timing of edits; send to playback lets users keep editing while moving a story to AirSPACE or another playback server. 800-949-AVID; fax: 978-640-1366; www.avid.com
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Windows-based still store

AVS StillBank: PC-based system includes PC, output card and software; produces full broadcast-quality (32-bit) pictures in bitmap format; compositing is performed in real time and image importation is possible; offers and I/O GPI trigger to be used with Manuscript 2000 Series CGs. 801-975-9799; fax: 801-975-0970; www.avsgmedia.com
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Modular charging system

Anton/Bauer Interactive 2000 PowerChargers: include two- and four-position chargers, a choice of power ratings, diagnostic module, charge expansion adapters and standard AC mains adapter to power cameras; software updates allow charging of new battery chemistries. 203-929-1100; fax: 203-929-9935; www.antonbauer.com
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Audio device tester

ASACA/Shibasoku AM70A Analyzer: audio analyzer can deliver test results in less than 100ms; provides precise measurements of audio signal output characteristics such as signal level and distortion for all types of audio devices. 303-278-1111; fax: 303-278-0303; www.asaca.com
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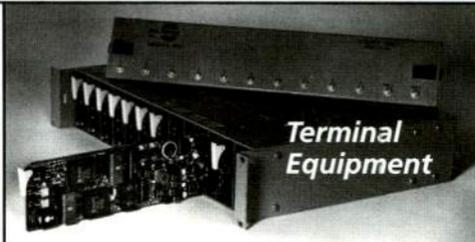
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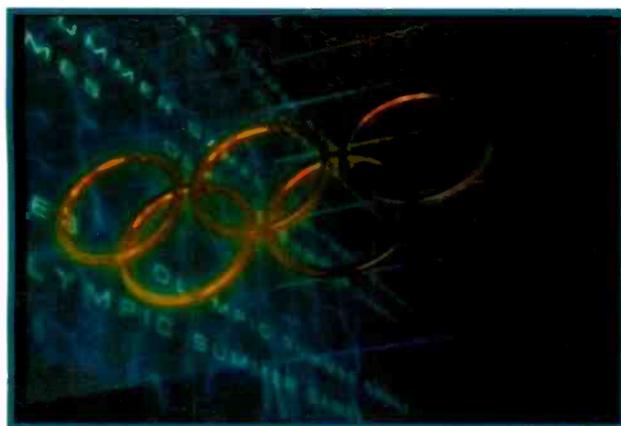
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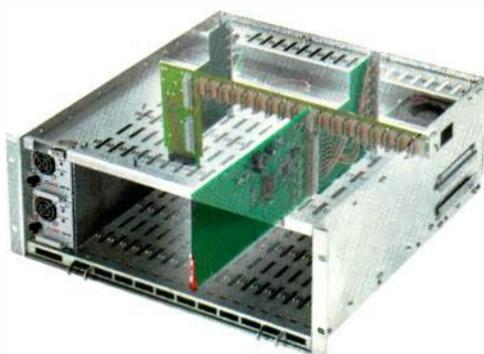
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Axon Synapse: system is high density, offering 18 cards in 4RU; offers flexible remote control capabilities, Ethernet-based remote control interface; is Internet enabled and receives updates of firmware through Internet connection; allows full monitoring of all parameters, audio level control and channel swapping. +31 13511 6666; fax: +31 13 511 4151; www.axon.nl
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Broadcast video marker

Boeckeler Instruments Pointmaker PVI 64: generates an SDI key signal from any markings made by the presenter, after which a broadcast switcher cuts the SDI video and fills the marked area with a generated color matte; provides marking and drawing features for marking of details in complex images during live broadcasts. 520-745-0001; fax: 520-745-0004; www.boeckeler.com
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Timecode generator

Brainstorm Electronics SR-3R: specifically designed timecode reader/generator repairs dropouts, reduces jitter and corrects timecode to phase align with video; housed in a small half-rack enclosure, its front panel features a large timecode reader and LEDs to identify format and video phase; can also be used as a timecode generator to create new code. 323-845-1155; fax: 323-245-1170; www.brainstormtime.com
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SDI safe area generator

Broadcast Video Systems (BVS) DSA-100: inserts any combination of 4:3, 16:9, 14:9 safe title, safe action, center cross into SDI picture; displays letterbox, side panels and stores 10 user-defined patterns. 905-764-1584; fax: 905-764-7438; www.bvs.ca
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Server control

BUF Technology Spot Server Management System: compact controller for video servers; individual clips, fill and matte (key) clips, or multiple clips are easily loaded for playback to save time and space for the operator; sequences of trimmed clips can be easily combined, created or loaded for playback. 858-451-1350; fax: 858-451-6589; www.buftek.com
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Transmitter remote control

Burk Technology ARCPlus: provides fast response, more sites and an enhanced feature set; up to 60x faster for instantaneous updates, allowing connection with more sites; available in dial-up, full-time and multi-site configurations; flexible and expandable with the ability to control from the front panel as well as options of telephone access and computer control for walk-away operations. 978-486-0086; fax: 978-486-0081; www.burk.com
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Digital audio mixing console

Calrec Audio Alpha 100: fifth-generation desk featuring an assignable digital control surface; provides 48 multitrack/matrix outputs, 20 auxiliary buses, eight audio groups and four main outputs – each of which can be simultaneously mono, stereo or surround; all desk functions are memorized to snapshots and full-system reset is achieved without audio interruption. +44 1422 842 159; fax: +44 1422 845 244; www.calrec.com
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Future-proof lenses

Canon ENG/EPF lenses: engineered to maximize camera performance in every format for ENG, EPF, studio and field production. 800-321-4388; fax: 201-816-2909; www.canonbroadcast.com
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Tilt focus lenses

Century Precision Optics HD Tilt-focus lenses: includes 24-, 45- and 90mm for B4 mount; each lens provides 360 degrees of rotation and eight degrees of tilt in any direction, offering good control of the subject focus range. 818-766-37156; fax: 818-505-9865; www.centuryoptics.com
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10-channel video multiplexer

Communications Specialties Pure Digital Fiberlink Multiplexer: transmits up to 10 channels of baseband analog video and optional two-way data (RS-232, RS-422, RS-485); features all-digital processing and signaling; system transmits high-quality signal with no crosstalk or interference. 888-4 FAX NOW; 631-273-0404; fax: 631-273-1638; www.comm special.com
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Nonlinear editing suite

FAST Sales US silver: offers MPEG-2 I-frame compression, with an uncompressed option available; edit in real time, with background rendering; add the InTime Option to further enhance speed; customizable user profiles, keyboard and interface; unlimited number of video, graphic and audio layers; next-generation flexibility provides the capability to work with multiple digital and analog formats, including SDI, DV, YUV, composite and YC. 800-249-FAST; www.fastsalesus.com
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Video transmission system

Fiber Options B703V: transmits Y/C video or two channels of full-frame, real-time composite video over a single fiber; 8MHz bandwidth provides clear high-resolution images; FM demodulation ensures the image quality remains high over the full operating distance; diagnostic LEDs on the transmitter and receiver monitor the status of the video and optical signals. 800-342-3748; fax: 516-567-8322; www.fiberoptions.com
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High-resolution switcher

Folsom Research ScreenPro: offers seamless switching of all video formats (15- to 130kHz and up to 1600x1280 resolution); offers eight high-resolution inputs with both main and preview outputs; scales each of the eight inputs to one programmable output format matching the native resolution of the chosen technology – multisync monitor, plasma display, video wall or projector. 888-414-SCAN; fax: 916-859-2515; www.folsom.com
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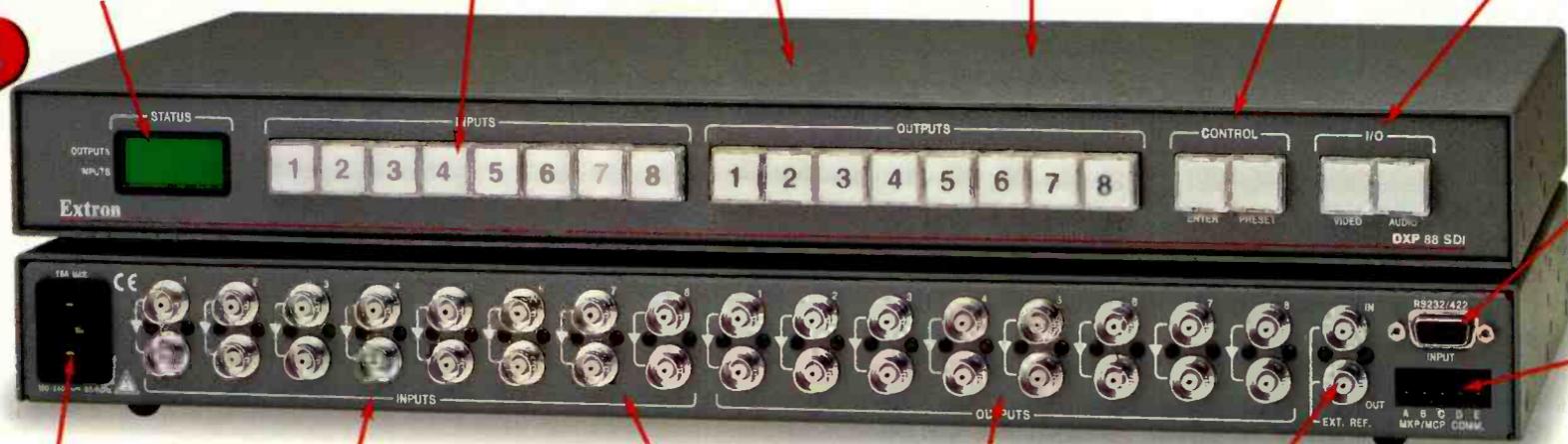
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DIGITAL XPOINT

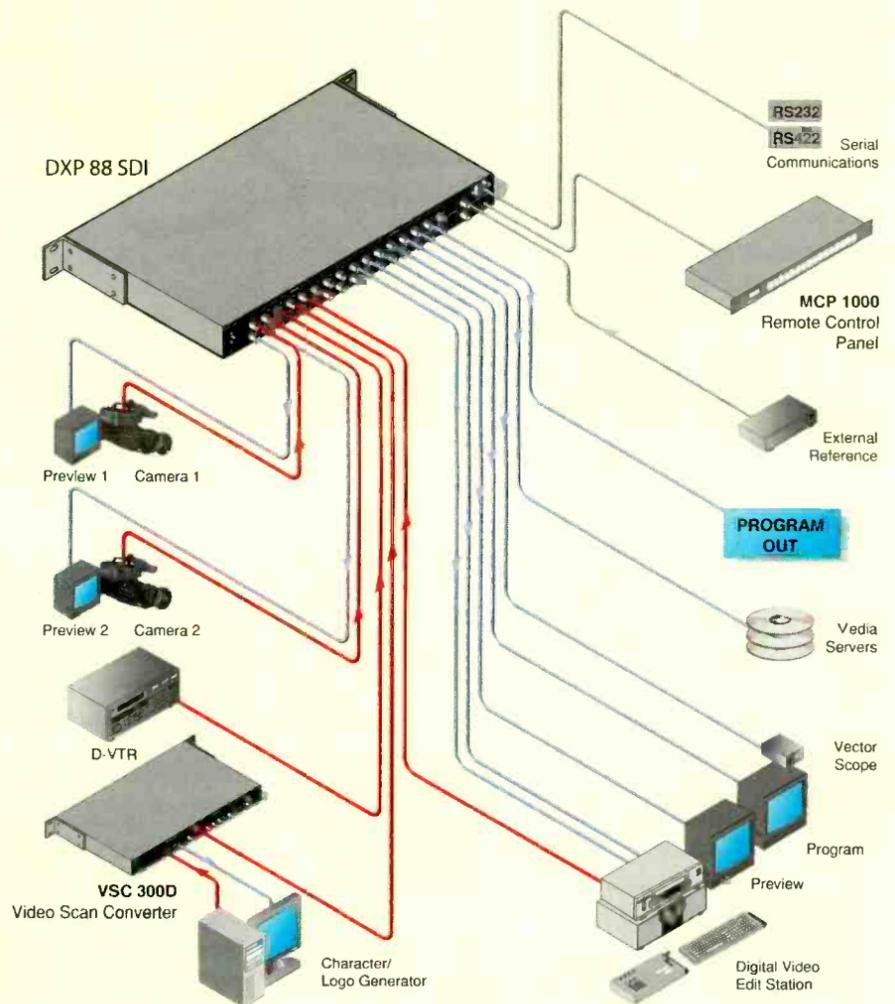
Extron® Matrix Switchers Go Digital

Introducing Digital XPoint—the new line of digital matrix switchers from Extron Electronics. The Digital XPoint matrix switcher line is the ideal solution for switching multiple serial digital video signals to multiple digital video sources in production studios, staging applications, non-linear editing suites, and broadcast studios.

Currently, the Digital XPoint line includes two models: the DXP 88 SDI (eight input, eight output) model and the DXP 44 SDI (four input, four output) model. Digital XPoint matrix switchers come standard with front panel control. Remote control is available using Extron's remote keypad (MKP 1000) and/or remote control panel (MCP 1000). Control using a third party control system can be done via RS-232 or RS-422.

Features:

- Inputs with equalized and buffered loop-throughs
- Outputs on two buffered and re-clocked BNCs
- Automatic rate selection—the matrix can automatically accept four SMPTE 259M data rates, including: 143, 177, 270, 360 Mb/s. It's capable of switching 4fsc (composite) or 4:2:2 (component) serial digital video transmission standards
- Automatic input cable equalization—typically equalizes greater than 300m at 270 Mb/s of Extron SHR or equivalent high quality cable
- Digital Sync Validation Processing (DSVP™)—when input serial data is locked, the matrix indicates the presence of a carrier source and data rate
- 16 global memory presets
- Extron's Simple Instruction Set (SIS™) for easy to use RS-232 control



For complete details, visit Extron's Web site at:
www.extron.com/4/digitalxpoint

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Dual-path video synchronizer

Fortel DTV FS-412: synchronizes composite and SDI video using independent processing paths instead of a single path; 12-bit composite digital path bypasses the decoder and encoder to avoid decoding artifacts in the composite video output; employs multidimensional comb filtering to eliminate quantizing errors and comb filter artifacts of conventional decoders. 800-530-5542; fax: 404-885-1501; www.fortelDTV.com

Circle (198) on Free Info Card

Digital production switcher

Ross Video Synergy 1: 16-input, single-MLE version of Synergy Series switchers; features include aspectizers for simultaneous 4:3 and 16:9 production, 2D DVE, preview overlay and Ultimatte Insider. 613-652-4886; fax: 613-652-4425; www.rossvideo.com

Circle (199) on Free Info Card

HDTV Cine-style lens set

Fujinon XA87x Lenses: offer 87x magnification for extreme close-ups and high image quality; lenses feature focal lengths up to 2300mm; XA87 series is available with an optional integrated image stabilizer. 800-553-6611; fax: 973-633-5216; www.fujinon.com

Circle (200) on Free Info Card

Interconnectivity products

Geffen ex-tend-it ADC-100S/R: extends DVI and ADC connection monitor signals up to 330 feet from a computer equipped with appropriate video cards; extension, fiber optics and CAT-5 cables may be used for the extension. 800-545-6900; www.geffen.com

Circle (201) on Free Info Card

Test & measurement scopes

Hamlet Video International Monitor Scope and Digi Scope: compact, low-power on-screen display, SDI analog video and audio signal monitor; Monitor Scope offers a built-in LCD display; both are capable of serial digital video analysis measurement and monitoring, and with additional options also handle component analog video, YCrCb, GBR, composite video and audio in embedded AES/EBU and analog formats. +44 0500 625 525; fax: +44 1494 791 283; www.hamlet.co.uk

Circle (202) on Free Info Card

Studio furniture

Mager Systems computer hard drive pullout: featured a full-extension rotating carriage in which the hard drive sits; carriage pulls out of the cabinet and rotates 180 degrees to give complete access to computer wiring; cabinet is insulated with sound acoustic treatment, baffling and ventilation. 623-780-0045; fax: 623-780-9860.

Circle (203) on Free Info Card



Cable reels

Hannay Reels AV-1 Series: specifically designed for broadcast, the AV-1 series features welded channels for stacking that promote maximum transport and storage efficiency; a removable side-mounted connector panel allows for complete customization of XLR

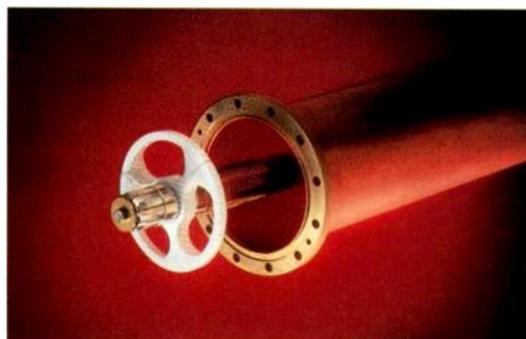
and/or BNC connector patterns. 877-GO-REELS; fax: 800-REELING; www.hannay.com

Circle (204) on Free Info Card

Central monitoring and control

Harris Broadcast Manager: system enables stations, groups or networks to monitor and control hardware, software and associated networks from a central location; uses scalable client-server architecture that can operate in either a centralized or a distributed configuration; features standard interfaces for devices equipped with SNMP-compliant agents. 800-622-0022; fax: 513-459-3890; www.harris.com

Circle (205) on Free Info Card



Coaxial transmission line

Andrew MacXLine: two new versions — 4 1/16 inch and 6 1/18 inch, 500, feature thermally compensated transmission line; made from high-conductivity copper tubing; bellows section incorporated in the inner conductors; inner connectors are captivated and use tensioned springfingers for maximum contact force. 708-349-3300; fax: 708-349-5444; www.andrew.com.

Circle (206) on Free Info Card



Automation and control system

Omnibus Colossus: provides multichannel, multifunction delivery; designed to bridge the gap between video, audio, Internet and data-streaming applications; features Cache Manager, which represents graphically the amount of space available on each of the servers and shows the media flow between them. 530-470-1700; fax: 530-470-1718; www.omnibus.tv.

Circle (207) on Free Info Card

Datacasting services

Harris Push and Interactive Services: unidirectional push services enable broadcasters to deliver Internet content to personal computers equipped with RF cards or personal storage devices in the home, as well as interactive TV services that enable the viewer to access data directly from the TV set by activating an icon on the screen. 800-622-0022; fax: 513-459-3890; www.harris.com

Circle (208) on Free Info Card



Switchable HD camera

Hitachi Denshi HDTV cameras: integrated, switchable, automated pan/tilt cameras offer simultaneous HD and NTSC video and are 1080i, 480 and 720p capable with downconversion available; cameras are portable and feature studio adapters similar to the new SA-777 studio adapter; feature digital processing, 2.2 million pixel CCDs, constant operation in 16:9 HDTV format, 1200 TVL of resolution and f8.0 at 2000 lux sensitivity. 516-921-7200; fax: 516-496-3718; www.hdal.com

Circle (209) on Free Info Card

Test generators

Horita SVS-50: self-contained video system outputs standby full/SMPTE color bars with a source ID video overlay whenever a loss of normal video is detected; video overlay can be up to nine lines of 20 characters each and can include a time and date display. 949-489-0240; fax: 949-489-0242; www.horita.com

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The **Ross CDK-111** is the worlds smallest digital master control switcher. A single D.A. sized card provides video mixing, a keyer with built in animated logo storage, frame synchronizers on every input, full preview, a program bypass relay and an automation port.

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IBIS SprinTx: integrates seamlessly with servers and newsroom computer systems from all major manufacturers and uses MOS protocols to ensure that the playout module can automatically be updated with any changes to the transmission schedules. +44 1458 851150; fax: +44 1458 851170; www.ibistv.co.uk

Circle (211) on Free Info Card

HDTV camera range

Ikegami HDK Family updates: includes the 790E, a 2/3-inch 2.2 million pixel CCD, switchable HDTV studio camera; 79E, a 2/3-inch 2.2 million pixel CCD, switchable HDTV portable companion; the 720, a 2/3-inch native 720p CCD HDTV studio camera; and the 720p, a 2/3-inch native 720p CCD HDTV portable companion. 800-368-9171; fax: 201-569-1626; www.ikegami.com

Circle (212) on Free Info Card

Nonlinear editing solution

Incite Multimedia Editor: enhancing its ability to deliver multiple layers of real-time video effects, unique hybrid editing tools and strong SAN performance, Incite adds support for Windows 2000, 1394 capturing and printing, and integration with more Matrox hardware: the Digisuite LS and MAX option; has also added new capturing tools to complement batch capturing and consolidate clip features. 800-641-7322; www.inciteonline.com

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Irdeto Access CypherCast: IP/Internet digital conditional access solution allows the broadcast of up to 1000 individual multicast streams arrayed in up to 100 distinct program services for as many as 250,000 subscribers in a local viewing area; on the receive end, content can be accessed and decrypted through secure smartcard technology. +31 23 556 2222; fax: +31 23 556 2240; www.irdeto.access.com

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DTV transmitter

Itelco 50kW UHF: features an exclusive exciter system, a patented Switch Mode Beam Power Supply and the Itelco Supervisory System for remote monitoring and control; will accept IOT output devices from any major manufacturer; very small footprint. 303-464-8000; fax: 303-464-8770; www.itelco-usa.com

Circle (215) on Free Info Card

HD camcorder

Panasonic AJ-HDC24A: multi-frame rate, 720p camcorders three 2/3-inch IT CCDs feature 1280x720 effective pixel resolution and an on-chip lens system providing high sensitivity of F13 at 2000 lux (in 24-frame mode at 50 percent shutter), high smear immunity and strong color accuracy; frame switchability allows for 59.94fps, 23.98fps and several other choices. 800-528-8601; fax: 323-436-3660; www.panasonic.com/broadcast

Circle (216) on Free Info Card

LCD production monitors

Panasonic BT-series: thin and lightweight, the new monitors are designed for HD, SD and computer applications; 18-inch version offers a 5:4 aspect ratio, 1280x1024 SXGA resolution, high brightness and a 170 degree viewing angle; displays 1080i, 720p, 480p and 480i. 800-528-8601; fax: 323-436-3660; www.panasonic.com/broadcast

Circle (217) on Free Info Card

Create Better SDI, HDTV, MPEG and Composite

Fortel DTV's FS-412 Dual Path Synchronizer



Composite Synchronizing with Zero Decoding Artifacts

You still need a clean composite analog signal during the transition to digital. The 12-bit composite synchronizer path in the FS-412 bypasses the decoder and encoder to completely avoid decoding artifacts in the composite output.

Clean Quiet Composite to SDI Decoding

The SDI output not only looks better than other decoders in the studio and on large screen digital TVs, it also scores better on PQA tests. The FS-412 is the perfect "front end" for digital production, MPEG compression and HD upconversion.

Save Cost and Space

The 1RU frame holds 4 video or 2 AV synchronizers with the companion DAS-441 Audio Synchronizer. Up to 18 fit in the Integrity™ 4RU frame.

DTV just got better. For the whole story visit www.fortelDTV.com



Fortel DTV Inc. 250 14th Street NW Suite 4022 Atlanta, GA 30318
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High-definition camcorder

Panasonic Broadcast AJ-HDC27A: this 30frames/s to 60frames/s, dual-frame-rate, progressive-scan (720p) DVCPRO HD camcorder is based on a newly developed 1.1-million-pixel, 2/3-inch, three-CCD IT imaging system that offers a sensitivity of f/11 at 2000lux; the camcorder provides 46 minutes of recording, two channels of 16-bit/48kHz digital audio, power consumption of 30W, and uses standard, 2/3-inch bayonet lenses; an HD-DSI output enables full-color live and tape playback, while the 8MB multimedia card stores camera setups. 800-528-8601; 323-436-3500; fax: 323-436-3660; www.panasonic.com

Circle (218) on Free Info Card

Broadcast, post asset management system

Keyvia Key-MediaWorks Asset Management System 1.3: complete environment for managing broadcast digital assets by combining asset management, recording automation, proxy browsing and marking into a scalable client/server architecture; LAN-based PC workstation is able to browse and mark digital assets under configuration using a frame-accurate, low-res proxy. 514-876-2855; fax: 514-876-3664; www.keyvia.com

Circle (219) on Free Info Card

8VSB modulator

Ktech Telecommunications VSB-ENC-200: modulates an MPEG-2 transport stream into an 8VSB signal using linear and nonlinear pre-correction techniques; accepts SMPTE-310M or DVB-ASI @ 19.392MB/s transport stream inputs and produces a 44MHz IF 8VSB signal at its output. 818-361-2248; fax: 818-270-2010; www.ktechtelecom.com

Circle (220) on Free Info Card

Control system

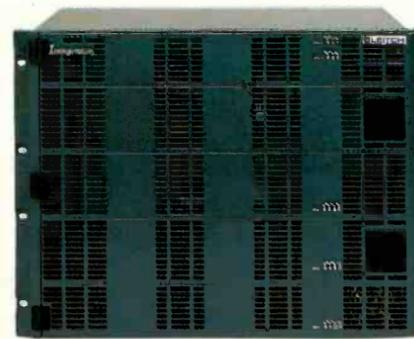
Leitch Command Control System: encompasses new hardware control panels, both Windows and browser-based applications, and support for third-party manufacturers via serial or Ethernet ports; one of the software applications already shipping, Pilot, provides tools for configuration, control and monitoring of and secure access to the equipment on your network. 800-231-9673; fax: 757-548-4088; www.leitch.com

Circle (221) on Free Info Card

Distribution amplifiers

Evertz 7700DA10/7700ADA: Amplifiers allow for distribution of SMPTE 259M serial digital signals; feature one auto-equalized input with four reclocked outputs; the 7700DA10 is designed primarily as a re-clocking SMPTE 259M DA, but can also be used for SMPTE 310 or DVB-ASI signals. 905-335-3700; fax: 905-335-3573; www.evertz.com

Circle (222) on Free Info



Distributed router system

Leitch Integrator: 32x32 to 512x512 router systems accommodate multiple standards and formats featuring expanded features and control; includes Leitch's new Tie-Line Management Software Application, SNMP support and full control and monitoring from its Command Control System. 800-231-9673; fax: 757-548-4088; www.leitch.com

Circle (223) on Free Info Card



Master control switcher

Leitch Opus: integrates digital and HD standards, providing a robust and flexible choice; includes 4:4:4 video processing and features full program and preset bus transitions, including mix, vee, fade out and cut fade as standard. 800-231-9673; fax: 757-548-4088; www.leitch.com

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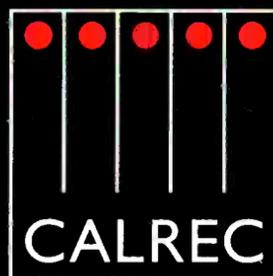
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MPEG encoder

Logic Innovations IPE: supports SNMP, the IPE and Transport Stream Multiplexer, allowing data management and control from the broadcasters' network management of choice; designed for encapsulation of Internet data into an MPEG transport stream for broadcasting across satellite, cable and terrestrial networks. 888-34-LOGIC; fax: 619-455-7273; www.logic.com
Circle (225) on Free Info Card

Serial digital/composite video and audio monitor

Magni Systems SDM-560 Monitor: provides efficient monitoring of 601, composite video and audio; features routable displays, embedded audio decoding and metering, auto-measurement, alarming, reporting and complete remote control. 800-237-5964; fax: 503-615-1999; www.magnisystems.com
Circle (226) on Free Info Card



Distribution amplifier

Multidyne VAGC-100: automatically maintains video level at 1V peak to peak with 100 IRE maximum luminance peak; provides automatic flatness equalization for more than 3500 feet of Belden 8281 and more than 3000 feet of RG59U to with ± 0.5 db at 5MHz. 800-4TV-TEST; fax: 516-671-3362; www.multidyne.com
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Mixing, branding and effects system

Oxtel Imagestore: new configuration of the Imagestore master control and channel branding system; features Easytext automated CG and the Squeazy DVE; multiple units can be used together for enhanced output. 877-44OXTTEL; fax: 973-683-1157; www.oxtel.com
Circle (228) on Free Info Card

Multi-image monitor wall solution

Miranda Kaleido G2: new software version offers improved graphical treatment, multiple undermonitor IDs per window, countdown timers and advanced status and alarm reporting. 514-333-1772; fax: 514-333-9828; www.miranda.com
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Routing switcher series

Miranda-Network: features a complete range of models for signal formats that include analog and digital video, analog and digital audio, HD SDI (SMPTE 292M), RS-422, and the popular datcom formats. 514-333-1772; fax: 514-333-9828; www.miranda.com
Circle (230) on Free Info Card



Dual-carrier STL system

NuComm Dual Stream System Plus: combines both the analog and DTV signals over a common microwave channel; features 8VSB modulation and can provide NTSC plus five audio subcarriers, DTV signal and a T1 data pack embedded in the same signal. 918-813-0399; fax: 908-813-0399; www.nucomm.com
Circle (231) on Free Info Card

Cable connectors and bulkheads

Neutrik BNC75: offers a push-pull version that makes assembly quick and simple and requires a standard center contact crimp die after cable preparation; includes screw lock cable retention with superior pull strength provided by the jacket. 732-901-9488; fax: 732-901-9608; www.neutrikusa.com
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Robotic videotape library

Odetics TCS Series: provides high-capacity automated VTR record and playback capabilities to meet the requirements of 24-hour broadcast operations; supports the most popular VTR formats and is configurable to meet specific tape size and bin configurations. 714-772-2200; fax: 714-780-7594; www.odeticbroadcast.com
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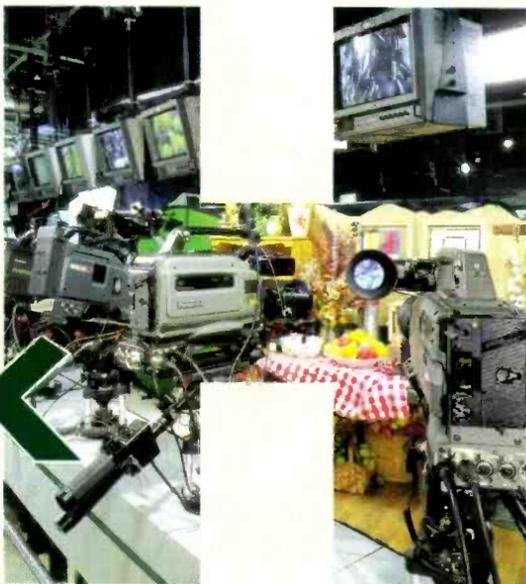


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Animation tool

Kaydara FiLMBOX V3.0: new features include enhanced workflow infrastructure, additional support for character animation, and support for multiple 2D and 3D Web formats; allows integration with all major 3D packages, so users of these packages can use FiLMBOX motion-capture and animation tools; available on Microsoft Windows NT, SGI IRIX, Red Hat Linux and Apple Mac OS X operating systems. 514-842-8446; fax: 514-842-4239; www.kaydara.com

Circle (247) on Free Info Card

DTV transmitter

Itelco 50kW UHF: features an exclusive exciter system, a patented Switch Mode Beam Power Supply and the Itelco Supervisory System for remote monitoring and control; will accept IOT output devices from any major manufacturer; very small footprint. 303-464-8000; fax: 303-464-8770; www.itelco-usa.com

Circle (248) on Free Info Card

HD graphics generator

Pixel Power Clarity HD: Features switchable output at 720-60p through 1080-30i to 1080-24p; three-channel HD/SD; handles 4:2:2.4 or 4:4:4:4; program output channel is SMPTE292M serial digital with key and VGA HD15; options include offline preparation and multi-user software, as well as CCIR-601 I/O capability. 561-395-4801; fax: 561-395-4065

Circle (249) on Free Info Card

Connectors

Kings Electronics 7760 Series Fibre-Cam Tri-Loc: hybrid fiber optic/electrical connector meets SMPTE 304M electrical and optical performance requirement; features field-serviceable fiber optic terminations, polarized key mating and Kings Tri-Loc style connector body; design features direct crimp on outer cable braid, internal strength member, and power and audio contacts. 888-909-5551; 803-909-5000; fax: 803-909-5092; www.kingselectronics.com

Circle (250) on Free Info Card

Routing switcher

Knox Video Chameleon 256: matrix can be expanded in multiples of 32 from 32x32 to 256x256 by inserting audio or video cards into a 12U rackframe; audio and video frames are linked together via serial cable; audio-follows-video or audio can be routed separately; internal milspec power supply is 110V/230V auto-sensing; command options including SALVO, batch and strings are available via RS-232 or the optional front-panel controller; serial protocol is simple ASCII. 301-840-5805; fax: 301-840-2946; www.knoxvideo.com

Circle (251) on Free Info Card

High-power broadcast tube

Litton Electronic Devices L-4299 Constant Efficiency Amplifier: next-gen high-power tubes for UHF; operates a peak power up to 120kW, offers high efficiency in comparison to standard IOT when operated in digital services. 800-861-1UHF; fax: 570-326-2903; www.littonedd.com

Circle (252) on Free Info Card

Frequency measurement system

Modulation Sciences Precision Frequency Measurement Panel: provides NTSC and 8VSB frequency measurement for television carriers; measures local or off-the-air frequencies to an accuracy approaching one part in a billion. 800-826-2603; 732-302-3090; fax: 732-302-0206; www.modsci.com

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- PNY 256MB SDRAM memory • Windows 2000
- 48X CD ROM Drive • Matrox G450 Dual Display Card
- Adaptec 29160 LVD-160 SCSI Card
- Seagate 73GB LVD-160 SCSI Drive • 3.5" floppy drive
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Incite Turnkey System

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- Asus CUSL2 motherboard • IBM 30GB System drive
- PNY 256MB SDRAM memory • Windows 2000
- 48X CD ROM Drive • Matrox G450 Dual Display Card
- Adaptec 29160 LVD-160 SCSI Card
- MEDEA 120GB Drive Array • 3.5" floppy drive
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Incite Software for DigiSuite

Incite is a non-linear editing software designed to run on Matrox DigiSuite hardware. Incite provides an easy to use editing interface, multiple editing modes, a powerful toolkit with extensive utilities, more than 15 simultaneous real-time effects with unlimited keyframing for up to 2 layers of video + 1 layer of live input video + 1 graphic layer, tools for multilayer compositing and advanced compositing, real-time titling and graphics, as well as an extensive range of options that will quickly expand your editing software into a fully equipped editing suite.

For the local studio, the editing toolkit must be extensive. Incite provides features like media logging and batch capturing, 4 editing modes (TV, Film, Ripple and Get Trimmec), three point editing, quick transition creation, virtually unlimited real-time possibilities (including easy to build DVE, video key and motion effects), real-time animated titling & graphics features that will satisfy the most demanding client, templating and cut/copy/paste

features for rapid application, filters and effects rendering for multilayer compositing, 3rd party FX integration, consolidate storylines and batch re-digitizing... just to cite a few key features.

For large post-production houses and broadcasters they key concepts are speed and integration, live input and hybrid editing features, VLAN control for up to 31 VTRs, integration of 3rd party effects hardware directly on the Incite timeline, and the ability to work with multiple formats (from Lossless MJPEG to DV and MPEG-2). As for speed, the number of real-time effects is unsurpassable while all effects that need to be rendered are rendered in the background.



on-line Express

Professional Editing for DigiSuite

Powerful, Intuitive and Freeform Editing

On-Line Express offers advanced editing tools and a freeform timeline which allows you to focus on your creativity and maximize your productivity. Edit multiple layers freely by moving single clips, blocks of clips or entire timelines without constraining modes.

Multi-Cam Editing - Whether or not you shot multi-camera, you will love the unique Multi-Cam feature. On-Line Express allows you to easily scrub and view 4 simultaneous camera angles for selecting desired cut points.

Powerful Media Management - On-Line Express provides the tools necessary to organize, sort and retrieve your digital content. With unlimited bins, projects and timelines you can easily open multiple timelines and bins and freely cut and paste between them.

Auto Storyboard

This unique feature allows you to instantly create programs with dissolves and audio crossfades without working on the timeline!

Supported Hardware - On-Line Express was designed specifically for the Matrox DigiSuite hardware. Support of Dual monitor display with the use of Matrox G400 or G450 VGA boards. Whether you are editing in MPEG-2 or streaming to the web. On-Line Express has a solution for you.



on-line Turnkey System

- Pentium III 866 processor • 300 watt Full tower
- Asus CUSL2 motherboard • IBM 30GB System drive
- PNY 512MB SDRAM memory • Windows 2000
- 48X CD ROM Drive • Matrox G450 Dual Display Card
- Adaptec 29160 LVD-160 SCSI Card
- JEMS 292GB LVD-160 (10K) SCSI Array • 3.5" floppy
- Sony DRV-100 Internal DV Tape Drive
- 102 Button Keyboard • Microsoft Trackball mouse
- DigiSuite LX • on-line Express Editing Software
- Dual 22" Mitsubishi Diamond Plus Monitors
- 90 day Free Tech Support
- Fully assembled and tested

\$19,999

Avid Xpress DV

Powerful Video Editing Tools

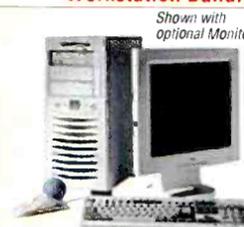
Avid Xpress DV software combines powerful video and audio editing tools, digital mastering, and extreme ease of use. Captures and edits DV video, adds effects, mixes audio, and outputs over IEEE1394 FireWire. Or transcodes the content to all major new media formats. MPEG-1 (for CD-R) MPEG-2 (for DVD-ROM) QuickTime or AVI for computer based presentations or for streaming on the web. As a member of the Avid Xpress Family, The Xpress DV offers the same Avid graphical user interface (GUI) used in the very high-end Avid products, powerful audio and video tools.

- Pentium III 866 MHz / 1 GHz CPU
 - 128mb/256mb RDRAM (RDRAM) memory
 - Matrox G450 32mb Graphics Card
 - 20GB ATA100 IDE (7200 RPM) System Drive
 - 40GB ATA100 IDE (7200 RPM) System Drive
 - 48X IDE CD ROM Drive • 3.5" Floppy Drive • Windows NT
- Express DV on Dell Precision 220 Workstation**
- 866 MHz Processor, 128mb RDRAM \$4,499
- 1 GHz Processor, 256mb RDRAM \$4,999



Precision 220

Workstation Bundle



canopus DV-Rex M3

Mobile Real-Time DV Editing Workstation

Add portability to your video editing. This light weight unit sets up in minutes and comes with a flip down keyboard and a 15" high resolution LCD panel. Works with both analog and DV I/O allowing you to combine footage from analog and DV sources. Incorporates the latest computer components including dual Pentium III CPUs, 256MB RAM, Xplode effects acceleration and expandable storage options.

Some real-time effects include, transitions, up to 10 tracks of liting, luma keying, color correction, slow-motion and picture-in-picture. Audio effects include echo, reverb, and parametric and graphic equalization.

\$7,499.95

Pinnacle Systems CineWave

Non-Linear Editing Package

Revolutionary non-linear editing package that delivers the power of true uncompressed video with Apple's Final Cut Pro. Using Pinnacle's new HUB3 video processor, the CineWave combines infinite layering, incredible effects, advanced compositing tools and accurate motion tracking with all the major video formats in compressed or uncompressed video. Based on the new dual processor Apple G4's, CineWave delivers the worlds first scaleable desktop video system capable of outputting both Standard Definition and High Definition simultaneously.

Includes • Commotion Pro • Hollywood FX



G4/Final Cut Pro

Complete Video Editing Systems

Good System

- Includes: • Apple G4/466 Computer
- Final Cut Pro version 2.0 editing software
- Total of 256MB of memory
- 45GB of ATA/100 storage
- CD-RW rewritable CD writer
- Final Cut Tutorial CD
- Mitsubishi Diamond Pro 2040 22" Monitor
- Apple Care-three year warranty
- Complete System integration and testing

\$4,599.00

Great System

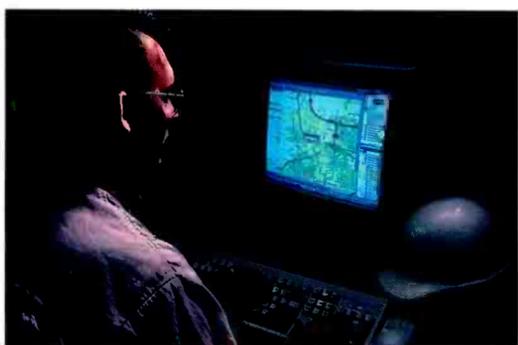
- Includes: • Apple G4/533 Computer
- Final Cut Pro version 2.0 editing software
- 60GB of ATA/100 storage
- Total of 256MB of memory
- CD-RW rewritable CD writer
- Artek Boris Graffiti CG Program
- Final Cut Tutorial CD
- Mitsubishi Diamond Pro 2040 22" Monitor
- Apple Care-three year warranty
- Complete System integration and testing

\$5,399.00

Best system

- Includes: • G4/533 DUAL Processors
- Final Cut Pro v2.0 editing S/W
- 150GB (2x75) of ATA/100 storage
- VST Ultratrek IDE controller card
- ATI Rage Orion dual display card
- Total of 256MB of memory
- Artek Boris Graffiti CG Program
- Final Cut Tutorial CD
- 2 Mitsubishi Diamond Pro 2040 22" Monitors • CD-RW writer
- Apple Care-three year warranty
- Complete System integration and testing

\$7,999.00



Network monitoring system

BarcoNet Rosa 3.0: features a quick, efficient, user-friendly solution for managing all network elements by a single, vendor-independent management system. 800-992-5016; fax: 770-590-3610; www.barconet.com
Circle (241) on Free Info Card



Dual analog audio cable

Belden 9451D: addition to Belden's audio cabling line features two twisted pairs with 22AWG tinned copper conductors and polyolefin insulation; cable conductors are color-coded red and black; easy termination via an aluminum-polyester Beldfoil shield bonded to the jacket, featuring a 22AWG drain wire inside the shield; each pair has a PVC jacket and is joined in a Siamese construction. 800-BELDEN1; 765-983-5200; fax: 765-983-5294; www.belden.com
Circle (242) on Free Info Card



40x11 zoom lens

Angenieux Extreme Tele Zoom: delivers a focal range of 40x11 to provide camera operators with a high degree of versatility and coverage capabilities; features the longest focal length available with low ramping: F440mm (one degree) at f/4 and F880mm (1/2 degree) with a 2x extender; offers high-resolution optics; digital performance features a wide variety of zoom modes and focus servo controls. 973-812-3858; fax 973-812-9050; www.angenieux.com
Circle (243) on Free Info Card

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antonbauer HyTRON 50 Battery

Weighing a mere 31oz (880 grams) and packing 50 Watt-hours of energy - enough to operate a typical ENG camcorder for two hours - the HyTRON 50 is the most advanced lightweight battery in the industry.

- Made possible by recent advancements in a cell technology originally designed for the mobile computing industry, it incorporates nickel metal hydride cells that provide the highest energy density of any rechargeable cylindrical cell available. High performance is further assured through the integration of Anton/Bauer InterActive digital technology.
- Equipped with an on-board "fuel computer" which monitors energy input and output as well as critical operating characteristics and conditions. This data is communicated to the InterActive charger to ensure safety and optimize reliability.
- In addition, remaining battery capacity information is available by means of an LCD display on each battery and in the view-finder of the most popular broadcast & professional camcorders.
- Special low voltage limiter prevents potentially damaging overdischarge.

Specifications: 14.4 V, 50 WH (Watt Hours)
 5.314" x 3.12" x 2.214" 1.9 lbs (880g)
 Typical runtime: 2 hours @ 25 Watts 3 hours @ 17 Watts

QUAD 2702/2401 Four-Position Power/Chargers

The lightest and slimmest full featured four position chargers ever, they can fast charge four Gold Mount batteries and can be expanded to charge up to eight. They also offer power from any AC main in a package the size of a notebook computer and weighing a mere four lbs! The 40 watt 2401 can charge ProPacs in two hours and TrimPacs in one. Add the Diagnostic/Discharge module and the QUAD 2401 becomes an all purpose power and test system. The 70 watt QUAD 2702 has the module and is the ultimate professional power system.



E-50 Endura V-Mount Battery Pack

The V-Mount or wedge-mount battery mounting connection is being found on more and more of today's camcorders. Due to this prevalent battery mounting system, IDX has developed the Endura Lithium Ion V-Mount battery system to work directly with these newer camcorders.

- The IDX Endura batteries incorporate Synchron technology, which automatically engages an on camera light whenever the record button on the camera is activated.
- The E-50 Lithium Ion Endura is a sleek and durable 50W, 14.4V battery.
- A PowerLink is included, as standard equipment with every Endura battery. This allows two batteries to be piggybacked together in order to double the power of this lightweight battery.

Special Purchase **\$299.95**

SONY 800 SERIES UHF WIRELESS MICROPHONE SYSTEMS



Consisting of 5 handheld and bodypack transmitters and 6 different receivers, Sony's UHF is recognized as the outstanding wireless mic system for professional applications. Operating in the 800 MHz band range, they are barely affected by external noise and interference. They incorporate a PLL (Phase Locked Loop) synthesized control system that makes it easy to choose from up to 282 operating frequencies, and with the use of Sony's pre-programmed channel plan, it is simple to choose the correct operating frequencies for simultaneous multi-channel operation. Additional features, like space diversity reception, LCD indicators, reliable and sophisticated circuit technology ensure low noise, wide dynamic range, and extremely stable signal transmission and reception. Ideal for broadcasting stations, film production facilities, and ENG work.

SONY DSR-20/40 DVCAM Player/Recorders

The DSR-20 and DSR-40 are versatile DVCAM VCRs with compact chassis and a variety of convenient functions for recording, playback and simple editing. They feature Auto Repeat Playback, Power-On Recording/Playback, multiple machine control interfaces and i-Link (IEEE1394) input and output. And, of course, they offer the stunning image and sound quality inherent to the DVCAM format.

- i-LINK** They both offer i-LINK (IEEE1394) input/output. In addition, in the "Digital dubbing including TC Copy" mode, full information of video, audio and time code of the original tape can be copied to another tape. Especially useful when making working copies of the original.
- Inputs and Outputs** They provide a full range of analog video inputs and outputs for integration into current analog-based systems. They both offer composite and S-Video input/output, while the DSR-40 (only) offers a component output as well. The DSR-20 is equipped with analog audio inputs and outputs (RCA). The DSR-40 with RCA inputs and XLR-balanced output. These connections in combination with their i-LINK interface allow a smooth transition to an all digital system in the future.
- Control S Interface** The DSR-20/DSR-40 have a Control S input allowing control via the optional DSRM-20 Remote Control.

DSR-20 Only - The DSR-20 can be powered by AC or DC. In addition to Control L interface, the DSR-20 can perform simple Time Code-based editing when connected to another DSR-20 or other similarly equipped VCRs/cameras.

DSR-40 Only - Equipped with an RS-422A interface, it can perform as the editing player in A/B roll or cut editing system.

DSR-20 List Price **\$3,950** For B&H price. Call
DSR-40 List Price **\$5,100** For B&H price. Call

DSR-30 DVCAM Digital VCR

The DSR-30 is an industrial grade DVCAM VCR that can be used for recording, playback and editing. DV standard 4:1:1 sampling digital component recording with a 5:1 compression ratio provides spectacular picture quality and multi-generation performance. It has a Control L interface for editing with other Control L based recorders such as the DSR-200A DVCAM Camcorder or another DSR-30. It also has a continuous auto repeat playback function making it ideal for kiosks and other point of information displays.

- Records PCM digital audio at either 48kHz (16-bit 2 channel) or at 32kHz (12-bit 4 channel).
- Equipped with Control L, capable of SMPTE Time Code based accurate editing even without an edit controller. Built-in editing functions include assemble and separate video and audio insert.
- By searching for either an Index point or Photo Data recorded by the DSR-200A camcorder, the DSR-30 drastically cuts the time usually required for editing. The DSR-30 can record up to 135 Index points on the Cassette Memory thanks to its 16K bits capability.
- Audio lock ensures audio is fully synchronized with the video for absolute precision when doing an insert edit.

UVW-1200/UVW-1400A Betacam SP Player • Player/Recorder

The UVW-1200 and UVW-1400A are non-editing VCRs which deliver Betacam SP quality and offer features for a wide range of playback and recording applications. RGB and RS-232C interface make them especially ideal for large screen, high quality video presentation, scientific research and digital video environments.

- Ideally suited for work in computer environments, because RGB signals can be converted into component signals and vice versa with minimum picture degradation.
- 25-pin serial interface allows external computer control of all VCR functions based on time code information. Baud rate can be selected from between 1200 to 38,400 bps.
- Built-in Time Base Stabilizer (TBS) locks sync and subcarrier to an external reference signal as well as providing stable pictures. High quality digital dropout compensator further ensures consistent picture performance.
- Equipped with two longitudinal audio channels.
- Auto repeat of entire or a specific portion of the tape.

UVW-1600/UVW-1800 Betacam SP Editing Player • Betacam SP Editing Recorder

The UVW-1600 and UVW-1800 are the other half of the UVW series. They offer the superiority of Betacam SP with sophisticated editing features. They feature an RS-422 9-pin interface, built-in TBCs and Time Code operation. Inputs/outputs include component, composite and S-Video. All the features of the UVW-1200/1400A PLUS—

- Optional BVR-50 allows remote TBC adjustment.
- RS-422 interface for editing system expansion.
- Two types of component output, via three BNC connectors or a Betacam 12-pin dub connector.
- Frame accurate editing is assured, thanks to sophisticated servo control and built-in time code operation.

UVW-1600 List Price **9,600** For B&H price. Call
UVW-1800 List Price **11,300** For B&H price. Call

PVM-14M2U/14M4U & 20M2U/20M4U 13-inch and 19-inch Production Monitors

Sony's best production monitors ever, the PVM-M Series provide stunning picture quality, ease of use and a range of optional functions. They are identical except that the "M4" models incorporate Sony's state-of-the-art HR Trinitron CRT display technology and have SMPTE C phosphors instead of P22.

- HR Trinitron CRT enables the PVM-14M4U and 20M4U to display an incredible 800 lines of horizontal resolution. The PVM-14M2U and 20M2U offer 600 lines of resolution. M4 models also use SMPTE C phosphors for the most critical evaluation of any color subject.
- Dark tint for a higher contrast ratio (black to white) and crisper, sharper looking edges.
- Each has two composite, S-Video and component input (R-Y/B-Y analog RGB) for more accurate color reproduction; the component level can be adjusted according to the input system. Optional BKM-101C (video) and BKM-102 (audio) for SMPTE 259M serial digital input.
- Beam Current Feedback Circuit.
- 4:3/16:9 switchable aspect ratio.
- True multi-system monitors they handle four color system signals: NTSC, NTSC 4.43, PAL & SECAM.

PVM-14M2U List Price **1,265** For B&H price. Call
PVM-14M4U List Price **1,570** For B&H price. Call
PVM-20M2U List Price **2,525** For B&H price. Call
PVM-20M4U List Price **2,920** For B&H price. Call

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Professional Grade VHS
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 ST-30 6.99 ST-60 7.49 ST-120 7.99

M221 Hi 8 Double Coated
Metal Particles 4.49 E630HME 7.69
 P630HMP 6.29 E660HME 10.49
 P660HMP 8.49 E6120HME 13.99
M321SP Metal Betacam (Box)
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 63M 19.99 66L 22.50
 94L 30.99 126L 39.99

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 T-30 Plus 1.69 T-60 Plus 1.99 T-90 Plus 2.09
 T-120 Plus 2.19 T-160 Plus 2.69
HGX-PLUS VHS (Box)
 HGXT-60 Plus 2.69 HGXT-120 Plus 2.99
 HGXT-160 Plus 3.99

BQ Professional S-VHS (In Box)
 ST-31 BQ 5.79 ST-62 BQ 6.99
 ST-126 BQ 7.45 ST-182 BQ 13.99

Betacam SP
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 AY DVM-60 9.99 AY DVM-60 (10 Pack) ea. 6.49
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 P6-60 HMPX 6.79 E6-60 HMEAD 9.99
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BA Series Premier Hi-Grade Broadcast VHS (In Box)
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 KCA-10 BRS 8.99 KCA-20 BRS 9.49
 KCA-30 BRS 10.69 KCA-60 BRS 14.99

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 KCA-30 XBR 13.29 KCA-60 XBR 17.39

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 BCT-30ML 13.49 11.99 -
 BCT-60ML 21.99 19.99 18.99
 BCT-90ML 30.99 28.99 27.99

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 PDVM-32ME 15.49 14.99 PDVM-40ME 16.99 16.49

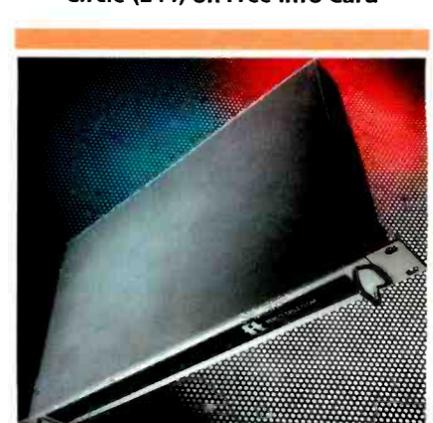
PDV Series (Standard) Professional DVCAM Tape
 PDV-34ME 24.99 23.99 PDV-34N 20.99 19.49
 PDV-64ME 27.99 26.99 PDV-64N 24.99 23.99
 PDV-94ME 32.99 31.49 PDV-94N 28.99 28.49
 PDV-124ME 38.49 37.49 PDV-124N 32.99 31.99
 PDV-184ME 46.49 44.49 PDV-184N 39.99 38.99

Mini DV Tape
 DVM-30EXM w/Chip 12.79 DVM-60EXM w/Chip 16.99
 DVM-30EX "No Chip" 11.99 DVM-60EX "No Chip" 12.99
 DVM-30PR "No Chip" 7.99 DVM-60PR "No Chip" 9.75

Full Size DV Tape with Memory Chip
 DV-120MEM 24.99 DV-180MEM 26.99

Graphics processor

Chyron Aprisa family: robust new 4RU hardware design includes redundant, hot swap power supplies and front loading, removable SCSI drives with RAID 0, 3 or 5 options; CG Playback Option plays back rolls, crawls and flipbooks in an independent frame buffer that can be layered with key over the clip playback; Web Streaming Option streams out the entire DDR program buffer in Real G2 or ASF formats. 888 4 CHYRON; fax: 631-845-3867; www.chyron.com
Circle (244) on Free Info Card



Cable simulator

Faraday Technology Remote Cable Clone: new version of Faraday's Cable Clone can be remotely controlled via an RS-232 interface; allows users to automatically switch between various lengths of simulated cable, rather than actually switching manually between different lengths of cable to test for the crash point of digital equipment; system allows for repeatability in the field. +44 1782 661 501; fax: +44 1782 630 101; www.faradaytech.co.uk
Circle (245) on Free Info Card

Stand-alone image stabilizer

Fujinon Image Stabilizer: compatible with most of Fujinon's existing field lenses. 800-553-6611; fax: 973-633-5216; www.fujinon.com
Circle (246) on Free Info Card

Server networking

Omneon Extended File System: infrastructure supports a wide range of third-party control and transmission, archive, media management and collaborative production applications; scalable, data-type independent infrastructure enables simultaneous content repurposing for any type of distribution. 408-585-5000; fax: 408-585-5090; www.omneon.com

Circle (234) on Free Info Card

Portable DVCPRO HD VTR

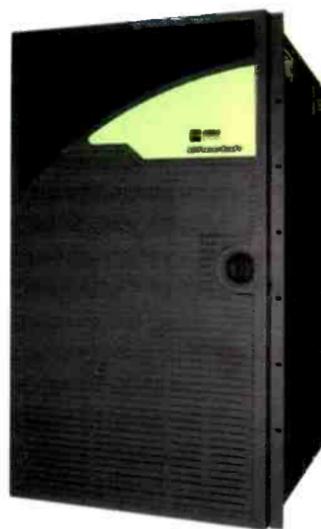
Panasonic AJ-HD130DC: half-rack VTR operates on 120V AC or 12V DC power; offers 46 minutes of 1080x1920 interlace scan or 12880x720 progressive scan HD recording at 100Mb/s; offers eight 16-bit 48kHz digital audio channels for multichannel applications and a 1.5GB/s SMPTE 292M HD serial digital interface. 800-528-8601; fax: 323-436-3660; www.panasonic.com/broadcast

Circle (235) on Free Info Card

Multiformat digital router

PESA Cheetah: four frame sizes are offered: 64X64 5RU, 128x128 8RU, 256x256 in 16RU and 512x512 in 38RU; engineered to handle HD requirements, SDI-only configurations are also available; offers a choice of copper or fiber inputs and outputs; companion audio switcher is also available. 800-328-1008; fax: 631-845-5023; www.pesa.com

Circle (239) on Free Info Card



Digital UHF IOT transmitter

ADC Visionary: offers enhanced performance with the addition of LDMOS driver amplifiers and Marconi plug-in IOTs; provides power levels up to 180kW on average; uses ADC's DSP-based DT2B modulator and Adaptive Digital Equalization, which continually track and correct linear and nonlinear distortions. 530-265-1000; fax: 530-265-1010; www.adc.com/broadcast

Circle (240) on Free Info Card



Streaming system

Parkervision WebSTATION for NEWS: live, on-demand turnkey system streams live broadcast material with multimedia graphics advertisements and URL links; allows stations to automatically edit program output for on-demand access by viewers, helping to eliminate costly post-production. 800-532-8034; fax: 904-731-0958; www.pvtv.com

Circle (236) on Free Info Card

HD production switcher family

Philips Broadcast Seraph: includes full range of switchers from 1 mix effects band up to four; HD formats include 1080i, 720p, and 24p. 800-962-4287; fax: 818-729-7710; www.broadcast.philips.com

Circle (237) on Free Info Card

Wireless intercom

Audio Specialties Group/Systems Wireless HME System 800: provides for full-duplex communications at distances up to half a mile; interfaces to any two-, three- or four-wire intercom systems; optional two-channel upgrade. 800-542-3332; 703-471-7887; fax: 703-437-1107; www.swl.com

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SONY DSR-PD150 3-CCD Mini DVCAM Camcorder

High quality acquisition in the DVCAM component digital format, as well as in DV, allowing up to forty minutes recording on one tape Mini DVCAM tape or over a full hour in the DV mode. Suited for Event Videography and Video Journalist applications. This compact camcorder features three newly developed 1/3 inch 380K pixel CCDs with increased resolution and sensitivity at reduced noise and vertical smear.

- Allows two scanning modes: 480 progressive (for still) or interlaced (for video).
- Complete Professional Audio functions with two built-in XLR inputs.
- Built-in electronic zoom lens features Autofocus and SuperSteadyShot with an MTF 12X high quality optical lens with manual Zoom, Focus and Iris control.



- Built-in slot for a flash memory card or Memory-Stick for still image storage. Up to 988 JPEG pictures can be stored in one 64 MB MemoryStick. The stored images can be mixed or keyed to the live image allowing logo insertion and/or mix effects.
- High resolution (500 lines) B&W viewfinder and a color swing out bright color LCD panel are included.

Sony DSR-PD150 List Price \$4,000
For B&H price Call



DSR-250 3-CCD DV & DVCAM

Introducing everything you need in an event camera and more. The new completely digital DSR-250 from Sony is a high image quality reduced size camcorder which has been optimized for shooting events and parties. Every feature you could want is included in this revolutionary acquisition tool.

- Manual or automatic functioning. Focus, Iris, Shutter-speed, Zoom, Gain (3 positions) and memory.
- Flip out 2.5" 200,000 dot LCD monitor, finally available on a professional camera. Time date stamp. Soft shoulder pad.
- 58mm lens with 12x optical zoom.
- Advanced optical stabilization allowing for a high quality digital zoom out to 24x with a maximum digital zoom out to 48x.
- Assignable time code (Free Run, Free-run, User-Set).
- 16 bit 2 channel audio recording, or 12 bit 4 channel.
- Digital I/O (IEEE1394) and analog I/O.
- Still image capture onto memory stick. Upload graphics from memory stick or USB adapter, software included.
- Phantom 48V power. Built in speaker. Directional microphone in pro mic holder, 2 XLR audio inputs. Wireless remote.
- Built in edit controller. Equipped with an i.LINK interface, allowing camcorder to serve as edit player or recorder.
- External 12V supply/Convection for light. The DSR-250 is equipped with light output (DC 12V, maximum 30 watts).

Sony DSR-250 List Price \$5,900
For B&H price Call



DSR-300A 3-CCD Digital (DVCAM) Camcorder

Inheriting many of the same features and functions as the DSR-130, the affordable DSR-300A actually extends operational convenience with a range of new features and peripheral products. Remarkably compact and lightweight, the improved DSR-300A provides high mobility without compromising picture quality and can be held comfortably on your shoulder through the longest shoots and gives videographers the ability to acquire their footage quickly and easily.

- LSI Digital Signal Processor (the very same one used by the DXC-D30 cameras) for a high signal-to-noise ratio of 62 dB.
- Both mini cassettes (PDV/M series) and standard cassettes (PDV series) can be used with the DSR-300A. With PDV-184ME (standard), a maximum recording time of 184 minutes can be achieved. They can also play back tapes recorded in the consumer DV format.
- For operational convenience while shooting, the Time Code is superimposed on the viewfinder screen or MONITOR DUT screen, even during playback.
- DXF-801 viewfinder featuring variable peaking, 3 level tally light, and a white LED light with 2 levels of intensity to illuminate the lens setting. IEEE1394 Link (out only).

Sony DSR-300A List Price \$9,900
For B&H price Call

Panasonic AG-DVC200 Full Size DV Camcorder

The industry's first DV camcorder to utilize large DV cassettes

The AG-DVC200 1/2" 410,000-pixel IT 3-CCD DSP camcorder records for an astounding 4-1/2 hours (270 minutes), and offers an interchangeable bayonet mount lens that permits users to use their favorite 1/2" lens. With the incredible ability to shoot at F11 in lighting as low as 0.5 lux, the AG-DVC200 delivers an outstanding 800 lines of horizontal resolution, an IEEE 1394 interface, a signal-to-noise ratio of 62dB, and very low smear.



The 11-pound shoulder-style camcorder delivers many functions offered in Panasonic's most popular DVCPROcamcorders, including a 4-position ND/CC filter, the ability to increase gain up to +36dB for shooting in dim light, User Scene Memory storage, and a 6-speed shutter with synchro scan for the flicker-free shooting of CRT displays.

JVC GY-DV500U 1/2-inch 3-CCD Professional DV Camcorder

The GY-DV500 combines the convenience and cost-effectiveness of Mini DV with the performance and features you need. Incorporate three 1/2-inch 380,000 pixel IT CCDs for superior picture performance (equivalent to 750 lines of resolution) superb sensitivity of F11 at 2000 lux and minimum illumination of 0.75 lux (LoLux mode). Rugged construction with a rigid diecast magnesium housing. Extremely portable, compact and light weight (less than 11 lbs. fully loaded). Additional features like the menu dial and Super Scene Finder assure ease-of-use and shooting flexibility, while the IEEE1394 and RS-232 interface allow integration into various non-linear and post-production systems. A professional camcorder in every sense, the compact, lightweight GY-DV500U redefines acquisition for corporate, educational, cable and broadcast production, as well as wedding videography and multimedia applications.



- 3 1/2" 380,000 pixel IT CCDs with 750 lines of resolution.
- F11 at 2000 lux. Black Stretch/Black Compress function.
- An advanced color matrix circuit ensures natural color.
- LoLux mode increases sensitivity with almost no increase in noise.
- Multi-zone iris weighting system offers accurate auto exposure under any condition.
- Viewfinder status displays audio indicator, tape and battery remaining time, VCR operation and warning indicators.
- Menu dial lets you quickly navigate through the viewfinder menu.

- Two 16-bit 48-kHz channels or two 12-bit 32-kHz channels with a dynamic range of 85 dB.
- Two XLR-balanced audio inputs with 48v phantom power and manual audio control.
- Side-mounted speaker for playback.



shooting situations such as press conferences, exclusive interviews, and sporting events. Record isolated camera views (ISO-Cam) during a live multi-camera shoot, making it ideal for parallel shooting at live concerts and other events. Naturally, we've made sure the GY-DV550 is equipped with all the other capabilities you need, including a standard 1/2-inch bayonet mount for use with a great diversity of professional lenses, bidirectional IEEE 1394 (NTSC), two 48 kHz 16-bit digital PCM audio channels, and a built-in SMPTE or EBU timecode reader/generator, as well as XLR microphone inputs, audio outputs, headphones output, and both composite and Y/C outputs. Maximum versatility, top-level performance, and superior cost-efficiency make the GY-DV550 the smart solution for producers who need a camcorder capable of doing double-duty in both the studio and the field.

SR-VS10U MiniDV and S-VHS VCR Combo

The HR-DV51U is a unique all-in-one video solution combining MiniDV and Super Hi-Fi Stereo in one VCR. The MiniDV deck allows direct playback of cassettes you've recorded on a MiniDV camcorder without any cables to connect. One easy solution!

- Mini DV Format & High Resolution Super VHS and VHS.
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- VCR Plus+ with Cable Eye. Cable Box Controller.
- Insert Editing with Flying Erase Head. Plug & Play.
- Audio Dubbing. Auto Index and Index Search.

- Full Auto Shooting (FAS) mode for point-and-shoot ease of operation. Automatic video level control (ALC) is also activated, along with Extended Electronic Iris (EEI) and Full Auto White, which provide both variable gain and variable shutter.
- ALC (Automatic Level Control) with EEI for continuous shooting in all light levels.

Special Purchase

BUY any JVC GY-DV500U Package:
GY-DV500U with Viewfinder and Lens Outfit
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GY-DV550U 1/2" 3-CCD DV Camcorder

Introducing the Versatile GY-DV550U from JVC. Designed by professionals, for professionals, the GY-DV550U is the world's first DV camcorder to offer studio camera capability. Thanks to the built-in 26-pin interface, you can connect the GY-DV550U to a CCU for remote-controlled studio operation or backup recorder in the field. But that's not all! It also comes with pool feed input/output, so you can transfer image data back and forth to another camera or camera, making it ideal for special shooting situations such as press conferences, exclusive interviews, and sporting events. Record isolated camera views (ISO-Cam) during a live multi-camera shoot, making it ideal for parallel shooting at live concerts and other events. Naturally, we've made sure the GY-DV550 is equipped with all the other capabilities you need, including a standard 1/2-inch bayonet mount for use with a great diversity of professional lenses, bidirectional IEEE 1394 (NTSC), two 48 kHz 16-bit digital PCM audio channels, and a built-in SMPTE or EBU timecode reader/generator, as well as XLR microphone inputs, audio outputs, headphones output, and both composite and Y/C outputs. Maximum versatility, top-level performance, and superior cost-efficiency make the GY-DV550 the smart solution for producers who need a camcorder capable of doing double-duty in both the studio and the field.



State-of-the-art 1/2" 3-CCD image pickup Incorporates three 1/2" 380,000 (NTSC)/440,000 (PAL) pixel interline-transfer CCD's. Each CCD is equipped with highly advanced circuitry that eliminates vertical smear when shooting bright lights in a dark room. Lag and image burn are also reduced to indiscernible levels, while high sensitivity of F11 at 2000 lux assures creative flexibility and simplifies lighting requirements.

Panasonic AG-DVC10 Mini DV 3-CCD Camcorder

This lightweight unit uses the mini-DV format, large diameter lens, and a 3-CCD image sensor to deliver the high recording quality needed for professional use.



- High-Quality DV Recording
- Records on Mini DV cassettes in either SP (standard) or LP (Long Play) mode.
- Records audio either as 16-bit 2 channel, or 12-bit 4-channel.
- Superior 3-CCD Picture Quality
- 1/4 inch 270K-pixel IT 3CCD image sensor
- 43 mm filter
- 12x Optical zoom
- Gain Up to +12dB
- Neutral Density Filter
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- New Shoulder-Type Design
- Excellent Shooting Stability
- Light weight weighing approx. 6 lbs.
- Extremely mobile i-Link (DV IEEE1394) Terminal

Satellite-transmitter link

Nucomm Microwave V Stream: STL featuring 8VSB modulation; offers digital signal monitoring with SMPTE 310 and ASI digital interfaces. 800-9-NUCOMM; 908-852-3700; fax: 908-813-0399; www.nucomm.com
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Videographics workstation

Orad Hi-Tec Systems DVG-10: PC-based system for virtual sets, on-air graphic and sports simulations; features high-performance 3D graphics. 212-931-6723; fax: 212-931-6730; www.orad-ny.com
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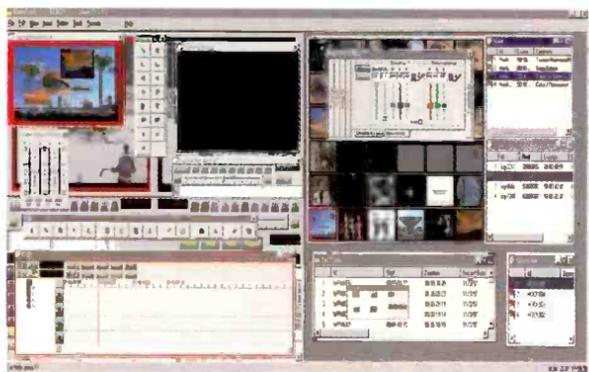
Multiformat digital video generator

Leader Instruments LT 442D: provides two SDI outputs conforming to SMPTE 292M and eight channels of embedded AES/EBU digital audio in compliance with SMPTE 299M; six channels of AES/EBU digital audio are available in stereo pairs from three dedicated BNC connectors; generator genlocks to tri-level sync as well as NTSC or PAL black burst and offers advance/delay settings of up to ±100 lines and ±1100 pixels in one-pixel increments; analog outputs include tri-level sync, horizontal and vertical drive. 800-645-5104; 714-527-9300; fax: 714-527-7490; www.leaderusa.com
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Oscilloscopes

LeCroy Waverunner-2 series: two- and four-channel digital oscilloscopes feature 350- to 500MHz bandwidth, a sampling rate of 1- to 4GS/s, memory up to 8Mpts, and WavePilot and QuickZoom for easy access to signal measurements; units also feature an Advanced Trigger Package offering runt and slew rate triggering. 800-553-2769; 914-425-2000; fax: 914-578-5985; www.lecroy.com
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Marconi Applied Technologies IOTD3100W: capable of 110kW peak digital or 55=5.5kW combined analog amplification, this plug-in IOT offers ease of installation and high-performance. 800-342-5338; fax: 914-592-5148; www.marconitech.com
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Media production tool

Omneon Video Network Networked Content Server System with FAST's purple: Omneon and FAST Multimedia AG have integrated FAST's purple DV editing system to Omneon's platform; the platform's open, standards-based infrastructure serves multiple applications; the integrated system utilizes 1394 I/O with FAST's purple, the I/O serving as an edge device allowing direct transfers to a common file system. 408-585-5000; fax: 408-585-5090; www.omneon.com
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RF Technology ACL-Series: link is analog, digital-ready or digital, available in a 2- to 16GHz frequency range; systems can be configured for QPSK, 16QAM or COFDM for transmission of ATSC/HDTV, D53, E3, E2, E1 or T1; interfaces include G.703, SMPTE-310M and DVB-ASI; features protected/diversity terminals with errorless changeover, adaptive equalization and multiplex equipment; ACL also supports the transmission of analog video and up to six audio subcarriers. 800-762-4369; 203-866-4283; fax: 203-853-3513; www.rftechnology.com
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Telescript PRO: Windows NT/2000-based software works with off-the-shelf hardware to virtually eliminate compatibility problems; offers multiple monitor support to accommodate simultaneous prompting and control operations. 201-767-6733; fax: 201-784-0323; www.telescript.com
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Noise reduction system

Teranex Starfront: features intelligent motion-based, pixel-by-pixel filtering and automatic handling of the video-based content (30fps) and film-based content (24fps); other features include 3:2 pull-down handling and 32-point interpolation on down-sampling to CIF and QCIF image sizes. 407-517-1086; fax: 407-517-1101; www.teranex.com
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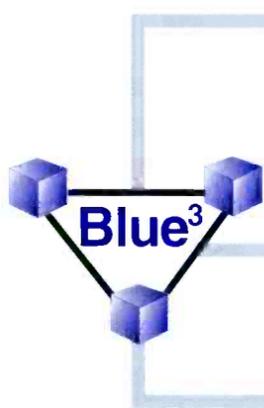
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- ★ **Supports HD, SDI, Analog Audio/Video, AES/EBU, ASI, DS-3/E-3, RS-232/422**
- ★ **All key active components are front-loading and hot-swappable for easy maintenance**
- ★ **Protects your operation with redundant power supplies, logic cards, serial & X/Y ports**
- ★ **Distributed routing design safeguards against loss of critical inputs**

Go ahead, relax! While you're catching some much needed R&R, you can be sure that your Integrator router is on the job.

Based on Leitch's groundbreaking Blue³ Dynamic Routing Fabric, every large Integrator system provides you with:



Rock-solid Reliability – If one frame, card or internal circuit fails, the system's distributed design guarantees that critical sources will still get to their destination. The revolutionary Blue³ technology makes this a truly self-healing router network!

Super-sized Scalability – Integrator allows you to start small but think big. From 32x32 to 512x512, your needs will never outgrow your system.

Mind-blowing Flexibility – Multiple signal formats? No worry! Integrator can handle them all within the same frame.



But best of all, Integrator provides you with peace of mind. So while Mike spends his weekends at the office with his router, you can spend yours getting reacquainted with life.

