

# New Products

## Cameras

The **SK-3000 HDTV camera** from Hitachi Denshi America, Ltd., provides simultaneous HDTV and NTSC outputs. The digitally processed camera head uses 2-million-pixel CCDs and operates in a 16:9 format at all times. Digital processing is accomplished with a 12-bit A/D converter and a single VLSI. The 1.5 Gbyte/sec digital output from the camera head is brought to the camera control unit via optical fiber cable, and there it is digitally converted to NTSC (16:9 or 4:3) serial digital component outputs, in addition to the standard digital HDTV output.

## Compression Equipment

The **MPEG-2 compression system** from Leitch, Inc., features broadcast contribution-quality MPEG-2 signals. The system will permit the exchange of pre-edited and post-edited material between studios and post-production houses using standard DS-3 telephone lines. The single-board module supports a 4:2:2 profile at main level and fits into a 3-RU DigiBus frame. The system uses IBM's latest MPEG chip set and provides complete control of bit rates from 40 Mb/s down to 2 Mb/s. The compressor supports I, IP, IPB, and IPBB as well as other GOP structures. Also available in the MPEG-2 system is the 3611NR plug-in noise reduction card.

## Control Systems

The **SC-3 routing control system** from Utah Scientific, designed to complement the UTAH-300 router, maintains compatibility with all previous Utah Scientific, Alpha Image, and Dynatech routers, as well as offers the ability to control new and older routers from other manufacturers. The new control panel bus runs at 2 MHz, providing a faster switching time. Two-level tie line management allows facilities to incorporate existing matrices and makes multiformat switching transparent to the user.

## Graphics/Special Effects

Leitch, Inc., introduced the **MGI-3701 serial digital LogoMotion generator**, a serial digital unit that displays animated logos in full component digital format as well as static logos of various sizes. The generator stores up to 99 logos in full-bandwidth uncompressed 4:2:2:4 quality, and each is stored with its own full-bandwidth linear key channel for precise linear keying. Logos are stored in any combination of several sizes, from 1/9 to full screen. Animated logos may be stored with

durations of up to 21.5 sec and static logos are one frame in duration.

## Lighting Equipment

LP Associates introduced the **Sunflash 24-W metal halide fixture**, which features a metal halide, short arc, DC lamp, and a tiny electronic ballast. It delivers constant 5500° K daylight while consuming about 1/3 the power of a typical 100-W halogen incandescent lamp. Warm-up time is about 18 sec, and it runs on 12-V DC input power at 2.5 A. Sunflash is available in two sizes; Sunflash I measures 9 in. long by 2.25 in. in diameter and weighs 10.7 oz, and Sunflash II is 2 in. longer and weighs 12 oz.

## Production and Post-Production

Panasonic Broadcast & Television Systems Co. has introduced its **DVCPRO 200 series of component digital video products**, which includes a compact desktop VTR and a 1/3-in. 3-CCD camcorder. The AJ-D200 DVCPRO camcorder accepts a lightweight, 1/3-in. lens, which is removable and interchangeable. It produces vivid, razor-sharp images and extremely faithful colors. When using the large DVCPRO cassette, the camcorder offers 123 min of continuous recording. The AJ-D230 DVCPRO desktop VTR features a built-in RS-232C interface for PC control and an optional IEEE 1394 interface, designed for multimedia and nonlinear editing applications. It accepts both large and medium DVCPRO cassettes and plays back mini-DV cassettes with a cassette adapter. The unit's analog interface comes equipped with composite video input/output and 2-channel audio input/output for easy connection with existing analog A/V equipment.

## Recording Equipment

Fostex Corp. of America introduced the **Fostex DMT-8VL multitrack recording and editing system**. It has eight uncompressed digital audio tracks, a full-featured analog mixing console and the massive storage power of a hard-drive-based architecture. Other specifications include 18-bit, 128x oversampling A/D conversion and 2-bit D/A converters. The DMT-8VL's input/output versatility of configuration means that at mixdown, the device offers the user the eight recorded tracks, plus eight input signals, plus a pair of stereo aux returns for a total of 20 separate, discrete signal sources.

Also from Fostex Corp. of America is a new **software package for its Fostex D-**

**80 hard disk recording system**. The system software additions include new machine control functionality, including the ability of the master D-80 to set all slave devices into the record mode via a MIDI data command; automatic record mode, if desired, upon achieving synch lock with other systems, thus saving time and creative concentration on the part of the user; and an 850-Mbit drive offering up to 18 min of eight-track, full bandwidth recording, with the option to upgrade to a 2.55-Gbyte drive interface and up to 60 min of audio.

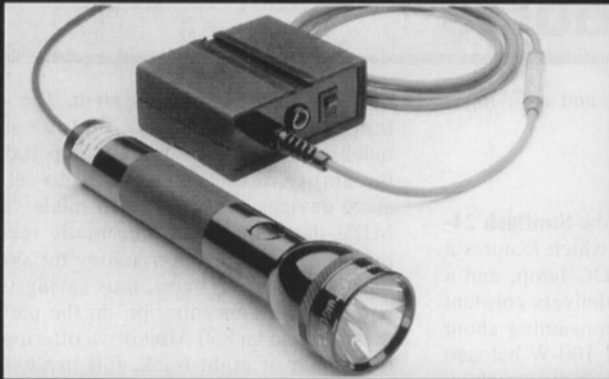
## Signal Processing

The **CDD-3101 NTSC/PAL decoder** from Matthey Electronics and distributed by Television Equipment Associates, Inc., offers broadcast-quality, three-line adaptive comb filter decoding, with 10-bit internal processing. Composite analog signals are translated from NTSC/PAL directly into serial digital 4:2:2. For better distribution the Matthey decoder has dual serial D-1 outputs. Variable delays of over 1H provide flexibility for timing signals.

Sony Electronics released the **RTS-3000 version 2.0 software for its RTE-3000 family of MPEG-1 decoders**. Encoding with the software is scalable to fit a wide variety of playback platform needs with bit rates ranging from 64 kb/s to 7 Mb/s. In addition, the version 2.0 software provides scalable NTSC and PAL video window sizes of 352 x 240 lines of resolution, 176 x 112, and 84 x 48 with adjustable frame rates of 10, 15, and 30 frames/sec.

Telebyte Technology, Inc., announced the **Model 236 G.703 to RS-232/V.35 interface converter**, which allows WAN devices such as routers and bridges to access telco networks that support the G.703 communications standard. It allows a synchronous device, either RS-232 or V.35, to communicate over a G.703 network using two twisted pairs at 64 kb/s. It accepts data and clock signals and formats them for transmission onto a G.703 network. The encoding of data is controlled by the V.35/RS-232 device. Data and clock signals are provided to the Model 236 from the synchronous interface. The clock is used to synchronize the converter, while the data is encoded into an AMI format for transmission to a G.703 network. The received data is decoded into data and a clock for the V.35/RS-232 transport.

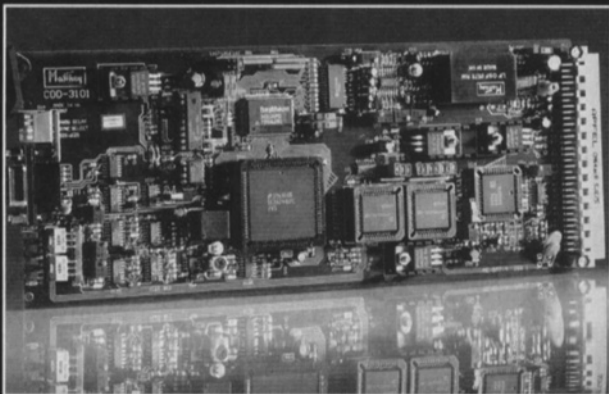
Video Authoring Systems Group, Inc.



Sunflash fixture from LP Associates.



Fostex Corp. of America's DMT-8VL.



CDD-3101 decoder from Matthey Electronics.



Model 236 interface converter from Telebyte Technology.

(VAS Group), introduced the **AD4x analog component to digital video converter**. The unit's design provides 4x oversampling, anti-aliasing filtering, full 10-bit throughput, 4:4:4 or 4:2:2 digital outputs, gamma correction for adjustment of input color levels, and RGB/Betacam outputs in addition to the D-1 video outputs. The AD4x's advanced filtering and conversion technology present a clean artifact-free video picture. Other features include RGB or component analog video inputs; four serial and one parallel D-1 output; user-selectable Y,Cb,Cr or GBR output; SMPTE-standard 259M digital outputs; and RS-232 and RS-422 remote control of all AD4x functions.

### Support Equipment

M. Klemme Technology has announced its **K-Tek boom poles**, which are available in five sizes, the shortest telescoping from 1 ft, 4 in. to 4 ft, 11 in. and the longest from 4 ft., 7 in. to nearly 21 ft. K-Tek Poles feature unique tops with slots for threading cable internally or anchoring the end of the mic cable. Telescoping sections are connected with jam-resistant captive collets that require minimum torque and repel dust, dirt, and sand. The collets are specially milled for lighter weight and a surer grip, then finished with an ultra-hard coating.

The bottom coupling allows boom operators to attach a variety of accessories.

### Switchers

Comlinear Corp. announced the **CLC018 very high speed 8 x 8 digital crosspoint switch**, designed for serial digital video systems and telecom/datacom switching. The device has fully differential signal paths and delivers data rates up to 1.4 Gbits/sec per channel with less than 100 ps<sub>pp</sub> jitter. Each output can be independently connected to any input, and any input can be connected to any or all outputs. In addition, each output can be individually disabled and set to a high-impedance state, allowing the CLC018 to be a fundamental building block for creating larger switch arrays. Inputs may be driven single-ended or differentially and accept a wide range of common mode levels.

For further information regarding the new products and developments listed in this section, contact the companies directly at the addresses listed below:

**Comlinear Corp.**, 4800 Wheaton Dr., Fort Collins, CO 80525-9483

**Fostex Corp. of America**, 15431 Blackburn Ave., Norwalk, CA 90650, tel: (310) 921-1112, fax: (310) 802-1964, e-mail: info@fostex.com, WWW: http://www.fostex.com

**Hitachi Denshi America, Ltd.**, 150 Crossways Park Dr., Woodbury, NY 11797, tel: (516) 921-7200, fax: (516) 921-0993

**Leitch Inc.**, 920 Corporate Ln., Chesapeake, VA 23320, tel: (800) 231-9673, fax: (757) 548-4088, WWW: http://www.leitch.com

**LP Associates**, 6650 Lexington Ave., Hollywood, CA 90038, tel: (213) 462-4714, fax: (213) 462-7584

**M. Klemme Technology**, 5417 Cahuenga Blvd., Unit D, N. Hollywood, CA 91601, (818) 766-0835, fax: (818) 766-2859

**Panasonic Broadcast & Television Systems Co.**, One Panasonic Way, Secaucus, NJ 07094, tel: (201) 392-4319, fax: (201) 392-6001

**Sony Electronics, Inc.**, 1 Sony Drive, Park Ridge, NJ 07656, tel: (800) 635-7669

**Telebyte Technology, Inc.**, 270 Pulaski Rd., Greenlawn, NY 11740-1616, tel: (516) 423-3232, fax: (516) 385-8184, e-mail: sales@telebyteusa.com, WWW: http://telebyteusa.com

**Television Equipment Associates, Inc.**, P.O. Box 499, 133 Boway Rd., S. Salem, NY 10590-0499, tel: (914) 763-8893, fax: (914) 763-9158

**Utah Scientific**, 4750 Wiley Post Way, Salt Lake City, UT 84116, tel: (801) 575-8801, fax: (801) 537-3099, e-mail: info@utsci.com, WWW: http://www.utsci.com

**Video Authoring Systems Group, Inc.**, tel: (818) 843-4831, fax: (818) 843-6544, e-mail: info@vasgroup.com, WWW: http://www.vasgroup.com