

Calendar

SMPTE Activities

TORONTO, ONTARIO—News Media '98 Toronto Section Exhibit, Toronto Convention Center, Info: Tel: (416) 237-0625, <http://www.smpete.org/sections/yyz/yyz.htm>, *May 13-15, 1998.*

LOS ANGELES, CALIF.—2nd Annual SMPTE Film Conference. Co-located with Showbiz Expo, Los Angeles Convention Center, Los Angeles, Calif. *June 12-14, 1998.*

PASADENA, CALIF.—140th SMPTE Technical Conference and Exhibit, Pasadena Convention Center, *October 28-31, 1998.*

ORLANDO, FLA.—33rd SMPTE Advanced Motion Imaging Conference, Omni Rosen Hotel, *February 25-27, 1999.*

SYDNEY, AUSTRALIA—SMPTE '99, *July 13-16, 1999.*

NEW YORK, N.Y.—141st SMPTE Technical Conference and Exhibit, *November 19-22, 1999.*

For more information on these and other SMPTE activities contact SMPTE headquarters: (914) 761-1100, Fax:(914) 761-3115.

May

Large Format Cinema Association Conference, California Science Center, Los Angeles, Calif. Info: LFCA office, (209) 477-2726. *May 13-16, 1998.*

Lightfair International 1998, Las Vegas Convention Center, Las Vegas, Nev. Info: AMC Tradeshows, 240 Peachtree St. NW, Ste. 2200, Atlanta, GA 30303. *May 27-29, 1998.*

June

Second Datacasting Conference, Montreux, Switzerland. Info: IAB, 11 Ave. de

Florimont, 1820 Montreux, Switzerland. *June 13-14, 1998.*

ShowBiz Expo, Los Angeles Convention Center, Los Angeles, Calif. Info: Reed Exhibition Companies, 383 Main Ave., Norwalk, CT 06851, <http://www.showbiz-expo.com>. *June 12-14, 1998.*

September

International Broadcasting Convention Limited, Amsterdam, U.K. Info: IBC Office Savoy Pl., London WC2R 0BL U.K., tel: 44 0 171 240 3839, fax: 44 0 171 240 3724, e-mail: show@ibc.org.uk, Internet: <http://www.ibc.org.uk/ibc/>. *September 11-15, 1998.*

October

Rocky Mountain Film and Video Expo, John Q. Hammons Convention Center, Denver, Colo. Info: Mark Cramer, ExpoMasters, Inc., 7632 E. Costilla Ave., Englewood, CO 80112. *October 14-15, 1998.*

New Products

Converter

Telebyte Technology, Inc., has introduced the **Model 8365 industrial interface converter**. The 8365 offers user programmability of three interface selections, RS-422, RS-485 2-wire, and RS 485 4-wire, all to RS-232. The converter also allows operations with RS-485 or RS-422 equipment, and RS-232. The ZRS-485 chip technology is incorporated into this product allowing up to 256 transceivers to share a common communication bus. The 8365 provides a maximum of 230 kbit/sec data transfer rates and uses a dB-9 for the RS-232 port.

Encoders and Decoders

Tiernan Communications, Inc., has announced the availability of several encoders and decoders. The **TE6 high-performance MPEG-2 encoder** can be used for professional television broadcast applications requiring compression to the 4:2:2 Studio Profile@Main Level and 4:2:0 Main Profile@Main Level according to the MPEG-2 standard (ISO/IEC 13818-2). The 4:2:2 Studio Profile provides superior quality images at data rates up to 50 Mbits/sec. The encoder multiplexes compressed video, audio, and data channels into a single DVB compliant transport stream.

The **TDR 600 MPEG-2/DVB integrated receiver/decoder (IRD)** can be utilized for broadcast grade applications requiring MPEG-2, 4:2:2, and 4:2:0. It provides both digital and analog output of video and audio signals. This IRD also provides two high-speed user data channels up to 4096 Mbits/sec and can be remotely controlled through RS-232 or Ethernet communications.

The **TDR77 MPEG-2/DVB IRD** is a mid-range product suited to 4:2:0 broadcast and professional applications requiring only analog video and audio outputs, with support for teletext and user data services. The TDR77 is suitable for both SCPC and MCPC applications, and decodes video at programmable transport rates from 2 to 60 Mbits/sec.

Generator

The **CG-200 modular plug-in video character generator** from Multidyne inserts a character message over an external video feed. Product features include 15 columns by 7 rows of upper and lower case alphanumeric text; 16 battery-backed pages; motion graph, automatic bypass to program video upon power failure; selectable test signal and program inputs; an RS-232 port for remote terminal control; and one line of vertical interval identifica-

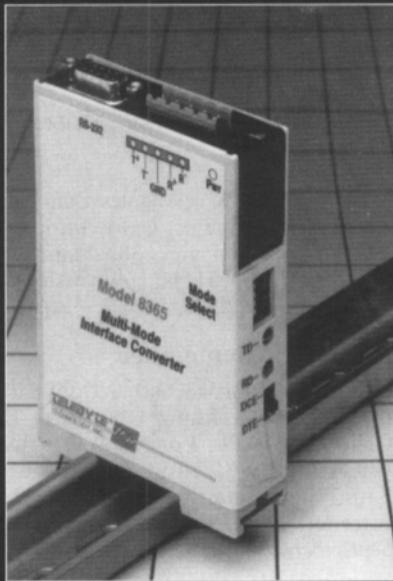
tion. The vertical interval character ID can be inserted over program video to invisibly identify video feeds.

Recording

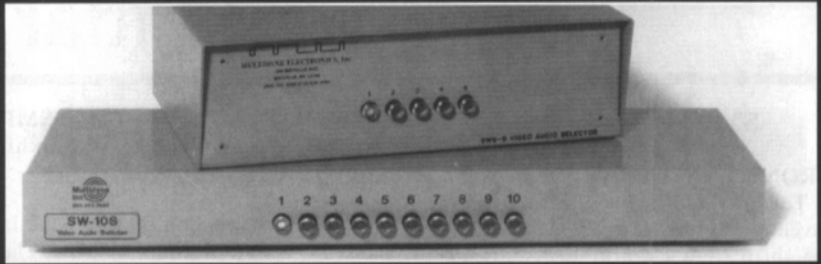
The **HD 1.5Plus video disk recording system** from Sierra Design Labs enables users to record in either standard 601 or uncompressed DTV/HDTV video. Through the use of four video disk recorders and an HD processor from the company, users can record up to 120 min of standard D-1/ITU-R BT601-4 uncompressed HDTV video. In HDTV mode the product is a full-specification DTV recorder featuring record and playback of SMPTE 274M/292M 1920 x 1080 interlaced signals (1080-i) with the ability to switch to SMPTE 296M 1280 x 720 progressive scan video (720P). The system is also user-selectable between individual 601 streams, each with its own RS-422 control, or in HD mode through a single RS-422 control panel.

Routers

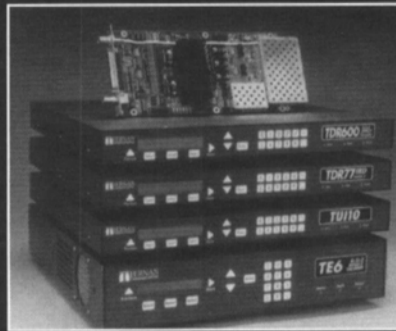
The **Utah 1500** from Artel Video Systems, Inc., is a full-bandwidth, high-definition router that conforms to the SMPTE 292M standard (1.5 Gbit/sec data rate), and is designed to ease the transition to high-definition television (HDTV).



The Model 8365 industrial interface converter from Telebyte Technology, Inc.



Multidyne's SW-5S and SW-10S switchers.



Tiernan Communication's TE6 encoder, and TDR600 and TDR77 IDRs.



The CG-200 modular plug-in video character generator from Multidyne.

This modular system occupies six rack units and can be expanded in increments of four coaxial inputs/outputs to a maximum size of 32 x 32. Key features of the 1500 include: internal relocking; redundant power; input cable equalization to 100 m; and increased flexibility with optional fiber input/output modules.

The **Utah 200 compact router**, also from Artel, provides a low entry for standard analog and digital routing and offers input/output matrix sizes from 16 x 16 to 32 x 32. The router also has the ability to mix digital and analog audio and video signals in a single two-rack unit frame. Additional router features include redundant control in a single frame; self-contained power supplies; redundant power supplies; front-panel XY control; alarm indicators, and downloadable software upgrades for easy feature add-ons.

The **MegaLink 1360 transmission device** from Artel Video Systems, Inc., transports SMPTE 259M serial digital video interface (SDI) at the D1/D5 tape format speeds of 270 Mbits/sec or 360 Mbits/sec which is required for full-bandwidth standard-definition television (SDTV) or mezzanine level HDTV. This product supports both single and multichannel operation. In a multichannel environment, the 1360 uses DWDM (dense wave division multiplexing) to optically multiplex up to nine transmission links over a single fiber. This device also allows links to operate at different speeds which enables mixed analog and digital multichannel system deployment.

Servers

Thomson Broadcast Systems has introduced **Nextore**, a 2 or 4-channel server designed for the majority of operating configurations, production or post-production, or use as a cache for transmission. The server can have 72 Gbytes of internal hard-disk storage, providing a capacity of 1 hr using lossless compression or up to 6 hrs with a 7:1 compression ratio. For content sharing or archiving, data is transferred to a digital equipment content server, a high-capacity server that may optionally be fitted with cassette storage peripheral devices.

Switchers

Physical Optics Corp., has announced the **POC912 fiber-optic 1:2 bypass switching system**. This fiber-optic route protector switch allows automated switching of primary and secondary fibers while protecting against faulty fibers or the loss of return data links from a primary source. The POC912 operates in either single-mode or multimode without modification of existing fiber-optic equipment. An alarm connection is included to signal the user that a switch to secondary path has occurred.

Multidyne's SW-5S and SW-10S video and stereo audio passive switchers enable the selection of one of five and one of ten video and stereo audio sources, respectively. The unselected video inputs are terminated into 75 Ω and the unselected audio inputs are terminated into 600 Ω .

The SW-5S features 12 LR audio connectors and 6 BNC video connectors. Both switchers are available in table top and rack-mount configurations.

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

Artel Video Systems, 237 Cedar Hill St., Marlborough, MA 01752, tel: (508) 303-8200, Internet: <http://www.artel.com>.

Multidyne, 191 Forest Ave., Locust Valley, NY 11560-2132, tel: (800) 488-8378, fax: (516) 671-3362, e-mail: info@multidyne.com, Internet: <http://www.multidyne.com>.

Physical Optics Corp., 2545 W. 237th St., Torrance, CA 90505, tel: (800) 214-0222, fax: (310) 530-4577, e-mail: pocfiber@aol.com, Internet: <http://www.poc.com>.

Sierra Design Labs, 999 Tahoe Blvd., Ste. 1, Incline Village, NV 89451, tel: (702) 831-7837, fax: (702) 831-5710, Internet: <http://www.sdlabs.com>.

Telebyte Technology, Inc., 270 Pulaski Rd., Greenlawn, NY 11740-1616, tel: (516) 423-3232, fax: (800) 835-3298, e-mail: sales@telebyteusa.com, Internet: <http://www.telebyteusa.com>.

Thomson Broadcast Systems, 17 rue du Petit Albi, BP 8244/95801 Cergy-Pontoise cedex, France, tel: + (0) 1 34 20 70 00, fax: + (0) 1 34 20 70 445.

Tiernan Communications, Inc., 5751 Copley Dr., San Diego, CA 92111, tel: (619) 587-0252, fax: (619) 587-0257, e-mail: info@tiernan.com, Internet: <http://www.tiernan.com>.