

# Books, Booklets, Brochures

**Digital Interface Handbook, 2nd ed.**, by Francis Rumsey and John Watkinson sheds light on the differences between such audio interfaces as AES/EBU, SPDIF, SDIF, MADI, and other manufacturer-specific implementations, showing how to make devices "talk to each other" in the digital domain despite their subtle differences. It also includes detailed coverage of all the regularly used digital video interfaces. Updated to include recent advances, the 288-page book now includes a new chapter covering test equipment, embedded audio, EDH, and 16:9 aspect ratio. Published by Focal Press, 313 Washington St., Newton, MA 02158-1626, this book is now available for \$47.95.

**1001 Questions to Ask Before Deciding on a Video Server** is now available from the North American National Broadcasters Association (NANBA),

1500 Bronson Ave., Ottawa, Ont., Canada K1G 3J5. This 67-page paperback, prepared by NANBA's Working Group on Video Servers, was written to assist potential users in obtaining the most appropriate equipment for their facilities, assist manufacturers in designing equipment to meet current and future broadcast needs, and establish common language for describing the features of video servers and related systems. The authors on the handbook are: Andrew Milne, CBC (Working Group chair); Michael Chiarulli, ABC; Craig Cuttner, HBO; Lou Montana, TSN; and Walter Sidas, CBS. The price of the book is \$10.

**Film and Video Lighting Terms and Concepts** explains instruments and accessories such as the C-stand, brute, silver bullet, and bazooka; techniques such as the "right-hand-rule" and the blue-screen

process; and technical concepts such as the inverse square law and light color temperature. In addition, various lighting features and accessories are featured in 70 photographs and illustrations. The author of the 176-page paperback is Richard K. Ferncase, an Associate Professor of Film and Television at Chapman University in southern California. The book is available for \$19.95 from Focal Press, 313 Washington St., Newton, MA 02158-1626.

**The 1995/1996 IESNA Light Source Catalog** is now available from the Illuminating Engineering Society of North America. The 26-page color paperback features a comprehensive listing of IESNA publications, standards, and calculation guides. The catalog is available from the IESNA, 120 Wall St., 17th Fl., New York, NY 10005-4001.

# New Products

## Audio Equipment

**The SX-11 digital audio adapter** from Antex Electronics Corp. supports both ISO/MPEG-1 Layer I/II and Dolby AC-2 compression formats, as well as apt-X encoding. It incorporates both balanced and unbalanced analog and AES/EBU or S/PDIF digital output. The SX-11 driver software included with the board is compatible with Microsoft Windows, Windows NT, and DOS-based PC systems.

## Cables and Cable Accessories

**The VSD2001 serial digital video cable** from GEPCO International has an 18 AWG bare copper center conductor. The dielectric is constructed of high-density cellular polyethylene that provides an 82% velocity of propagation. The shielding consists of a 100% aluminum/polyester tape and a 95% tinned copper braid.

## Lenses/Optics

Fujinon has introduced two new studio lenses: the **Sh20X5.4ESM** for 1/2-in. cameras and the **Ah20X7EMS** for 2/3-in. cameras. Both feature wide angle and fast aperture, as well as the optional focused intelligent network diagnostics (FIND) system. This system provides rapid evalu-



*The Ah20X7EMS studio lens from Fujinon.*

ation of lens electronic and electromechanical components in order to speed lens maintenance and troubleshooting. The Sh20X5.4ESM has a focal length range of 5.4 to 108 mm and maximum aperture of F1.4. The Ah20X7EMS has a 7 to 140 mm focal length range and maximum aperture of F1.4 to 124 mm and F1.6 at 140 mm. Both lenses have a minimum object distance of 0.5 m.

## Lighting and Lamps

Osram Sylvania has introduced the **HMP Lamp**, a metal halide light source intended for use in overhead and video projection equipment. The lamp, designed for use in such new presentation applications as projecting liquid crystal display (LCD) images, has an adjustability that allows light levels to be raised or lowered to opti-

mize projection performance. It also has the energy-saving feature of being able to "idle" by lowering the wattage — and thereby the light level — during times when overheads are not needed to support the presentation. The HMP is available in two wattages: 400 and 575.

**The VIP metal halide lamp** is also new from Osram Sylvania. This lamp is designed to operate in 3-in. liquid crystal display (LCD) video systems and is rated for operation in a range of 150 to 190 W. Features include good color stability and light output over its 2,000-hr-rated life. The lamp is able to burn in any position with attachment to the video projector electrical system by hard-mounted connection posts.

## Monitors

**The 764 digital audio monitor** from Tektronix, Inc., has the ability to compile statistics associated with an audio passage as well as display descriptions of digital information in its channel status decode screen. Because it is compatible with digital audio distributed on XLR twisted pair cable and 75- $\Omega$  coaxial cable, the monitor accepts balanced or unbalanced format signals. Users are able to choose audio level scales and indicators to match house

lineups, peaks, and ballistics or to suit individual preferences.

## Production/Post-Production

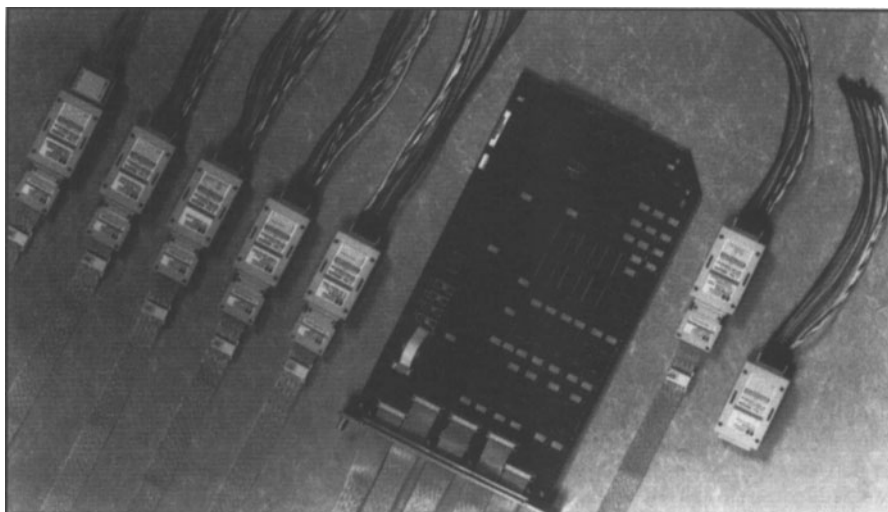
Colorado Video, Inc., has released the **Model 443 Video Peak Store**, a video memory that is capable of superimposing multiple images into a single video frame. A standalone, self-powered instrument, the Model 443 may be used with a conventional television camera; it will also accept playback data from videotape.

**The Klone high-resolution film scanner** is now available from Rank Cintel. The scan resolution, stability, and color depth have all been tuned to ensure that all information in the film frame has been extracted. As a result, the output is an exact digital reproduction of the original film.

## Signal Processing/Transmission Equipment

New from Ciprico, Inc., is the **6900 series of disk arrays**. The arrays use the latest version of the SCSI peripheral interface standard, called UltraSCSI, that doubles SCSI's maximum transfer rate to 40 Mbts/sec. They also offer hot swap drives, allowing a drive to be replaced and rebuilt with no downtime or loss of data.

FutureTel, Inc., has introduced two integrated hardware and software platforms



Hewlett Packard's HP 16522A pattern-generator cards.

allowing the distribution of live video over wide area networks. **MPEGTHERE** handles all facets of the MPEG encoding and distribution process, including audio and video compression, guaranteed audio and video synchronization, and real-time transmission over T1 lines. As the video signal is encoded, it is automatically sent to the telecommunications line; a receiving station consists of an MPEG-compliant television set-top box. **MPEGANYWARE** supports live multicast of real-time video over multiple T1 lines via an Ethernet backbone. The system allows dynamic on-line removal or substitution of receiving stations without disrupting other users.

## Software

New from FutureTel, Inc., is the **MPEG-2 Transport Stream Enabler**, a compliant multiplexer for the PrimeView family of real-time MPEG encoders. The transport packets are 188 bytes and are tagged with an identification number and sequence counter. The MPEG-2 transport stream structure also supports optional CRC checking and correction for high-fault resilience and data integrity.

## Test and Measurement Equipment

New from Hewlett-Packard Co. is the **HP 16522A pattern-generator card** for its HP 16500B logic analysis system. The card acts as a substitute for missing boards, integrated circuits (ICs), or buses to let software engineers create infrequently encountered test conditions and verify that their codes work. Features include an output clock speed of 200 MHz, a memory depth of 258,000 vectors and up to 40 outputs. Up to five HP 16522A cards can be installed in one HP 16500B mainframe.

Tektronix, Inc., has introduced the **TekRanger TFS3031 mini optical time**

**domain reflectometer (ODTR)**. The TekRanger has the capability to test both single-mode and multi-mode fiber without having to change modules. Up to four test wavelengths are available: 1310 and 1550 nm for single-mode fiber, and 850 and 1300 nm for multi-mode fiber. The TekRanger also features IntelliTrace technology, which provides complete and accurate results by adjusting acquisition parameters — such as pulse width and number of averages — as it automatically analyzes a fiber link.

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

**Antex Electronics Corp.**, 16100 S. Figueroa St., Gardena, CA 90248, (310) 532-3092; Fax: (310) 532-8509

**Ciprico, Inc.**, 2800 Campus Dr., Plymouth, MN 55441, (612) 551-4000; Fax: (612) 551-4002

**Colorado Video, Inc.**, 6235 Lookout Rd., Suite G, Boulder, CO 80301, (303) 530-9580; Fax: (303) 530-9569

**Fujinon, Inc.**, 10 High Point Dr., Wayne, NJ 07470, (201) 633-5600; Fax: (201) 533-5216

**FutureTel, Inc.**, 1092 E. Arques Ave., Sunnyvale, CA 94086, (408) 522-1449


**GEPCO International, Inc.**, 2225 W. Hubbard, Chicago, IL 60612-1613, (312) 733-9555; Fax: (312) 733-6416

**Hewlett-Packard Co.**, Direct Marketing Organization, P.O. Box 58059, MS51L-SJ, Santa Clara, Calif., 95051-8059

**Osram Sylvania, Inc.**, 100 Endicott St., Danvers, MA 01923, (508) 777-1900; Fax: (508) 750-2982

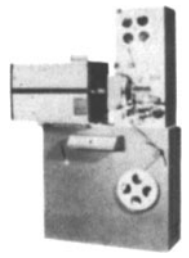
**Rank Cintel, Inc.**, 25358 Avenue Stanford, Valencia, CA 91355, (805) 294-2310, Fax: (805) 294-1019

**Tektronix, Inc.**, 14180 S.W. Karl Braun Drive, P.O. Box 500, Beaverton, OR 97077-0001, (800) 835-9433



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