

New Products

Connectors

Molex Inc., has released the **Mini-Fit, HCS high current connector system**. The 4-mm centerline power connector can carry up to 12 amperes per circuit, depending on housing configuration. Applications for the product include computers and computer peripherals, modems, cellular phones, power supplies, appliances, and business equipment. The connectors also reduce re-qualification and design time. Mini-Fit carries three more amperes per circuit than the company's standard Mini-Fit, Jr. terminals.

The company has also introduced the **Fiber Channel Link transceiver**, which provides optimal serial gigabit transmission at the standard rate of 1.0625 gigabits per second for distances up to 500 meters over inexpensive multimode fiber. The transceiver is ideal for applications including data communication and telecommunication networks, broadband deployment, cross connects, ATM switches, disk array links, workstation and mainframe backbones, and network interface cards.

Signal Transport has announced the availability of **Triaxial connectors** as a standard, off-the-shelf component of the Modular Panel System (MPS). The connector is recessed behind the panel faceplate to provide connector protection and is mounted at a 45° downward angle for cable strain relief. The connector panel is designed to accommodate connectors from a variety of manufacturers using a unique insulator plate for each connector. The product is used for digital video cameras in both permanent and remote installations.

Lenses/Optics

The Canon **300mm super telephoto lens** from OpTex has an iris scale calibrated in T stops and a focus scale engraved in feet and meters. Both iris and focus feature large highly visible dual scales allowing them to be read from both sides of the lens. The product has built-in 0.8 modulus gear rings compatible with studio follow focus rigs, fluid zoom drives, and motorized control systems. The lens allows for interchangeability between a wide range of 35mm, Super 16, and 16mm motion picture cameras and 1/2 and 2/3-in. video cameras.

Recording Equipment

Panasonic Broadcast and Digital Corp. has released the **AJ-HD2000 digital high-definition recorder (HD)**. The AJ-HD2000 records high-definition studio standard sig-

nals using a full bandwidth digital recording system with exceptional picture quality. Advanced intrafield 4:1 compression combined with the D-5 format's high density recording technology is used to record 10-bit I 1251 HD television on 1/2-in. cassette tapes, allowing for easier storage. The recorder can operate at 1035 or 1080 active line definition video formats, SMPTE 240M or 274M, and will convert between 59.94 and 60-Hz operation. Post-production features include 123 min of recording, a 74.25-Mhz sampling rate, and 10-bit 4:2:2 signal processing.

Signal Processing

Zapex Technologies has introduced the **ZX-Resound/600**, the industry's first audio encoder to support both MPEG-2 and Dolby Digital multichannel audio. The product gives users the ability to change from one digital audio encoding standard to another without changing hardware. Audio standards can be changed in less than five minutes by downloading the appropriate encoding software. Up to five main channels can be supported by the ZX Resound/600, including left, center, and right channels across the front of the room, and left and right surround channels. A sixth channel, called the Low Frequency Effect, contains additional base information to maximize the impact of special effects. The encoder is 2 RU high, and has an audio bitrate ranging from 56bits/sec for a single mono channel to 832bits/sec which covers a wide range of audio quality and broadcast bandwidth requirements. The product supports sampling frequencies of 48 kHz, 44.1 kHz, and 32 kHz.

Software

The **Media Key Digital Library System** from Islep Media, Inc., enables video, audio, and text to be automatically digitized, indexed, archived, and put on-line for search and retrieval from within the video itself. The system uses integrated speech recognition, language understanding, and image understanding technologies to digitize, index, search, and retrieve video and audio resources. The benefits of the digital library come from the integration of the system's three components which include the MediaKey Builder, MediaKey Finder, and MediaKey Logger. The MediaKey Builder is a computer-automated video and audio indexing process. The image processing analyzes scenes, speech processing transcribes the audio signal, and natural language processing determines word relevance. The

MediaKey Finder is a video search engine that facilitates browsing, search and retrieval, and the exporting of video clips. The MediaKey Logger is a cataloging and search and retrieval software for production environments.

Switchers and Routing Systems

MetaWave has introduced additions to the MX series routing switcher consisting of the **MX32 and MX256 SDI routing switchers, MXA256 AES/EBU audio router, and the MX/SC router control system**.

MX32 SDI routing switcher is available in sizes of 4 x 4 to 32 x 32 inputs and outputs. The router is expandable in blocks of four inputs, and features redundant control and power supplies in a 2 U rack frame.

The large-scale MX256 SDI routing switcher is available in sizes of 32 x 32 and above inputs and outputs. The product is designed to offer a 256 x 256 configuration in only 44 U of rack space, including redundant power supplies and control cards, and features a wide range of control protocols. The MXA256 AES/EBU routing switcher integrates with the MX256 SDI and is available in sizes of 32 x 32 to 256 x 256 inputs and outputs. Various control protocols are included.

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

Islip Media, Inc., 311 So. Craig St., Pittsburgh, PA 15213, tel: (412) 687-0530, fax: (412) 687-0537, e-mail: info@islip.com, Internet: http://www.islip.com

MetaWave, 11 Kingsclere Park, Kingsclere, U.K. R620-4SW, tel: +44-1635-299000, e-mail: info@metawave.co.uk

Molex Inc., 2222 Wellington Ct., Lisle, IL 60532, tel: (630) 969-4550, fax: (630) 969-1352, Internet: http://www.molex.com

OpTex, 20-26 Victoria Rd., New Barnett, N. London EN4 9PF, England, tel: +44 (0) 181-441 2199, fax: +44 (0) 181-449 3646, e-mail: info@optextint.com, Internet: http://www.optextint.com/optex/

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

Signal Transport, 3219 Pierce St., Richmond, CA 94804, tel: (510) 528-6039, fax: (510) 528-6043, e-mail: sales@signaltransport.com

Zapex Technologies, 1927 Landings Dr., Mountain View, CA 94043, tel: (415) 254-2380, fax: (415) 254-2399, e-mail: info@zapex.com, Internet: http://www.zapex.com
