

New Products

Amplifier

Leitch Technology Corp. announced the addition of a new video processing amplifier to its comprehensive line of Genesis modular products. The VPA-6001 is a high-quality, dual-channel video processing amplifier that can be mounted in a 2-RU or 4-RU frame. It provides automatic clipping at the legal limits of the SDI data stream and ensures that no legal Y, Cb, or Cr signals are passed to the output.

The product has applications for any situation where digital video signals require adjustment or conditioning, such as when video is converted to or from the analog domain, and for incoming feeds over which the receiving facility may have limited control. Leitch's Command and Control System allows full control and monitoring of all FPS-6001 functions over an IP network.

Camcorder

JVC's most recent addition to its DV range is the GY-DV5000E camcorder. This versatile 3 x 1/2-in. CCD digital camcorder has a complete set of professional features capable of recording on both mini-DV and DV format tapes. The DV5000E extends both the performance and recording capabilities of its predecessors and incorporates the streaming capabilities first developed for the current GY-DV300 streamcorder. An optional network pack is fitted to the back of the camcorder allowing live or file (CF) card streaming. Additionally, this facility enables camera settings to be adjusted from anywhere in the world via a web browser.

This camera is complemented by two new professional DV VTRs. The BR-DV3000 is capable of recording and playing both mini-DV and DV formats and can be installed horizontally or vertically. The BR-DV6000 allows the recorder to edit the DV footage and is designed specifically to function within a nonlinear editing system. Both VTRs have the added advantage of being able to play back DV cam recordings.

DVCPRO Products

Panasonic Broadcast & Television Systems Co. announced the availability of its new high-performance, dual-mode DVCPRO products, including the AJ-SD955A and AJ-SD930 studio editing VTRs, and the AJ-SDC915



Panasonic's DMR-T3040 DVD recorder.

2/3-in. IT 3-CCD camcorder. Switchable between classic 25 Mbit/sec ENG mode and studio-quality 50 Mbit/sec 4:2:2 mode, these new products are ideally suited to a wide variety of video production applications. When operating in 50 Mbit/sec mode, DVCPRO products offer a mild 3.3:1 DV-based compression, 4:2:2 sampling, and four 16-bit 48-kHz sampled channels of uncompressed digital audio.

The AJ-SD930 and AJ-SD955A studio editing VTRs significantly lower the cost of recording and editing at the 4:2:2 resolution 50 Mbit/sec data rate increasingly demanded by broadcasters and video production facilities. These compact 4-RU VTRs record 92 min in 50 Mbit/sec 4:2:2 DVCPRO50 mode or 184 min in classic 25 Mbit/sec 4:1:1 DVCPRO digital component formats. A truly universal DTV recorder, the AJ-SD955A also offers PAL (625 line) recording and extensive front-panel editing controls, including auto assemble, insert and manual editing, as well as preview, review, and trim capabilities.

Interconnect Products

Carry more data reliably between consumer, computer, and automotive applications with the 1394b line of sockets and cable assemblies from Molex Inc. This new generation of IEEE 1394 technology offers a wide range of benefits, including higher bandwidth, longer cables, and new applications. These interconnect products are for use in desktop and laptop computers, computer peripherals, automotive application, digital set-top boxes, game players, DV camcorders, digital VCRs, DVD/audio components, and HDTVs. With the 9-pin interface, IEEE 1394b cable is capable of S3200 over each of two differential channels and was designed to provide a minimum of 1000 mating cycles. The sockets are double shielded for improved EMI protection and designed with rugged leaf contacts.

Lenses

Fujinon unveiled six new prime HDTV Super Cine Style lenses at the recent IBC 2002 show in Amsterdam. The new HAe family includes the HAeF12, HAeF16,



Fujinon's HAeF12 prime HDTV Super Cine lens.

HAeF20, HAeF34, HAeF40, and HAeF54. All six models feature a front-end diameter of 95 mm and a length of 144 mm. Minimal breathing while focusing and distortion-free edge-to-edge sharp-

ness set a new standard for digital imaging. The new primes also allow a focus rotation of 28° for precise focus follow, compared with the standard 144.5° rotation of other Cine Style lenses.

The new lenses are designed specifically to work with the latest high-definition video cameras but feature large, bright markings for zoom, focus, and iris- and cine-compatible gearing for interfacing with existing cine controls and matte boxes. They meet every optical performance requirement for moviemaking, such as reduced fluctuation in angular field of view during focusing and a short minimum object distance (MOD).

Media Keyer System

Evertz introduced the 9625LGA Media Keyer system, a complete SDI logo and audio insertion package that will key one or many static/animated "bugs" over a full bandwidth SDI program video signal. It will also "duck" insert preformatted audio clips. Media created in BMP, Tiff, TGA, or Wave file formats can be imported into the InstaLogo software and transferred to the 9625LGA. Media is stored in flash memory and can be quickly accessed via front panel, quick select keys, GPI inputs, automation, and MetaCast. A removable Compact Flash option enables access of up to 2 Gbytes of on-line media storage space and unlimited archived media storage.

The 9625LGA has been designed to manage and store multiple logos of variable sizes and ranges from 1/25th to full screen. The position of the logo, fade rates, clip association, and animation rates are user controllable. Up to 16 logos can be keyed simultaneously with independent fade control for each. Onboard preview allows cueing logos for position and content verification prior to going on-air. Media Keyer Voice Over audio input allows for one-button audio switching.

Recorders

Panasonic Broadcast & Television Systems Co. announced two professional progressive-scan DVD recorders, the DMR-T3040 and the DMR-T3030. Offering unprecedented versatility for video production

systems, the DMR-T3040 teams a DVD-RAM/DVD-R recorder with a built-in 40-GByte hard drive to provide expanded flexibility for viewing, recording, and DVD duplication. The large-capacity DMR-T3040 records up to 52 hr (in the EP mode) of video on its 40-GByte hard disk drive, 12 hr on a 9.4-GByte double-sided DVD-RAM disc, and 6 hr on a DVD-R disc. The DMR-T3030 delivers up to 12 hr of DVD recording.

T3040 is equipped with an IEEE 1394 input to permit high-speed transfer of digital video from a IEEE 1394-equipped DV camcorder to the hard drive, and the unit's PC card slot makes it easy to copy images from a digital still camera. In addition to recording new video content, T3040 facilitates transferring VHS tape recordings to space-saving DVD-RAM or DVD-R disks or the internal hard drive. DVD-RAM offers high storage capacity on removable media, high-speed data transmission, exceptional picture and sound quality, fast, random access memory, and rewritability up to 100,000 times. Both units record onto highly compatible DVD-R disks, allowing them to share video recordings with virtually anyone with a DVD player. Once video is recorded to DVD, it is instantly accessible and ready to view without having to search, rewind, or fast forward. The DVD recorders allow users to easily navigate, edit scenes, and create custom play lists of digital content on a DVD disc.

16-Channel CWDM System

Evertz announced the availability of its 16-Channel CWDM system. This new platform is backwards compatible with existing CWDM systems allowing users to add an additional 8 wavelengths to their 4 or 8-channel CWDM implementations to create 12 or 16-wavelength systems. All 16 wavelengths comply with the ITU G.694.2 standard for CWDM wavelengths. The system is designed for use with existing single-mode fiber installations and does not require low water peak fiber to utilize all 16 wavelengths. This new capability enhances the benefits of the Evertz FacilityLINK broadcast fiber optics platform.

Evertz Microsystems Ltd., tel: (905) 335-3700; website: www.evertz.com

Fujinon, website: tel: (973) 633-5600; www.fujinon.com

Leitch Technology Corp., tel: (800) 237-9673; website: www.leitch.com

Molex Inc., tel: (630) 969-4550; website: www.molex.com

Panasonic, tel: (800) 524-0864; website: www.panasonic.com/broadcast