

New Products



Grass Valley Group's Krystal 4300

A number of new digital video production systems have been introduced by the Grass Valley Group, P.O. Box 1114, Grass Valley, CA 95945, (916) 478-3160. The Krystal™ 4300 will ultimately consist of a single channel/single user system, a dual channel/dual user system, and a multichannel/multiuser system. The multichannel system will allow multiple users to build multichannel effects simultaneously whether the physical channels are available or not. Effects executed on the system are completely transparent.

The Model 1200 Component Digital Production Switcher provides three full-function keys, including a chroma key in the downstream key (DSK). It also features a built-in set-up and configuration screen, internal floppy disk drive, direct

aux bus control, and auto setup on the chroma key. Conventional switcher operation or "layered" mode operation is switch-selectable.

The Sabre™ 4100S Dynamic Editing System uses the Silicon Graphics Indy™ desktop system. The PowerPanel™ control panel allows the switcher, mixer TBC, and other settings to be altered directly from the editor. A marks cache offers fine tuning using digitized frames before and after the mark points. The PixLine™ edit display can be used to graphically show the edit instructions numerically or pictorially on the system. Also featured are two live video input windows for previewing or monitoring sources.

Circle No. 201

The D/ESAM® Series of digital edit suites is now available from Graham-Patten Systems, P.O. Box 1960, Grass Valley, CA 95945, (800) 422-6662; Fax: (916) 273-7358. The D/ESAM 800 features 18-bit A/D and D/A converters plus a digital interface loop. A processing loop module allows outboard digital effects units to be connected directly to the D/ESAM chassis. The audio delay function allows audio signals to be delayed by up to 17 frames per channel to match video signals that have been passed through switching and special-effects devices. The D/SAM 400 offers full functionality for smaller video edit suites. The D/ESAM 400 audio mixer features a redesigned user interface and is capable of handling up to 32 analog and digital inputs.

Circle No. 202

A number of new cameras have been made available by BTS Broadcast Television Systems, Inc., 94 W. Cochran St., Simi Valley, CA 93065, (805) 584-4700; Fax: (805) 584-4750. The BTS LDK 10 studio camera and the portable LDK 10P feature BTS' dynamic pixel management (DPM) CCD sensors, which allow the switching of aspect ratios (4:3 and 16:9) with the push of a button. The DPM also establishes a 1,000-pixel standard in both formats and insures no change in the angle of view when switching aspect ratios.

The LDK 9000 is suitable for HDTV production in studio or remote applications, operating at the 1080 active line proposed standard with a 16:9 wide screen aspect ratio. It features BTS 1-in. frame transfer sensors with 2.2 million sensors and a high sensitivity of approximately 1000 lux at F4.

The LDK-W series of cameras includes the LDK-9W studio camera, the LDK-9PW portable companion to the studio camera, and the LDK-93W multi-role portable camera. All three feature the FT-11 CCD sensor, which provides users with switchable 16:9 wide screen and 4:3 standard aspect ratios. The cameras also have 1/2-in. CCD sensors, allowing for the use of a wide range of lenses from all lens manufacturers.

Circle No. 203

Many new pieces of editing equipment have been developed by BTS Broadcast Television Systems, Inc., 94 W. Cochran St., Simi Valley, CA 93065, (805) 584-4700; Fax: (805) 584-4750. The PC-based Rio Bravo system lets editors access full-featured control panels for each task with a keystroke or the roll of a trackball. Working in the Microsoft® Windows™ graphics environment, the system features on-screen graphic modules that emulate virtually every piece of a traditional hardware control system.

The DCR 6000 HDTV Universal Cassette Recorder is a 1.2-Gbit recorder that can be used to record either 1250/50/2:1 or 1125/60/2:1 high-definition video standards on a standard 19mm cassette. The system also provides a variety of inputs and outputs for all phases of production and post-production and features up to 12 channels of digital audio and separate picture and sound editing.

The FLH Multi-Standard High-Definition Telecine features digital control and signal processing and provides high-definition 1125/1250 and 525/625 signals and electronic sizing and repositioning. The CCD sensor, a quad-luminance array with a 120-MHz effective pixel rate, allows full 30-MHz HD resolution.

The Saturn Master Control Switcher uses individual processors for analog video, analog audio, serial digital video (composite or component), and AES/EBU audio. Up to 15 channels (analog, digital, or a combination of both), can be controlled from one or more control consoles.

The Video Gallery, a TV graphics desktop system, offers the creative amenities and rendering power of proprietary high-end video graphics workstations. Mounted on a Macintosh Quadra platform, standard features include professional-quality 3-D animation, modeling, painting and image retouching, digital layering, character generation, high-speed rendering, and more than a GByte of on-board disk storage.

Circle No. 204



ASC Audio Video Corp's. Virtual Recorder

The Multi-Standard Virtual Recorder® is now available from ASC Audio Video Corp., 3816 Burbank Blvd., Burbank, CA 91505, (818) 843-7004; Fax: (818) 842-8945. The Virtual Recorder is a digital, random access storage and retrieval system that provides audio and video material instantly for applications designed to work with VTRs or laserdisk machines.

Compatible with both PAL and NTSC formats, it records and plays video, two-channel audio, and EBU timecode. The VR plugs directly into nearly every major digital audio workstation on the market and matches its speed msec for msec, eliminating the lengthy wind times associated with videotape machines.

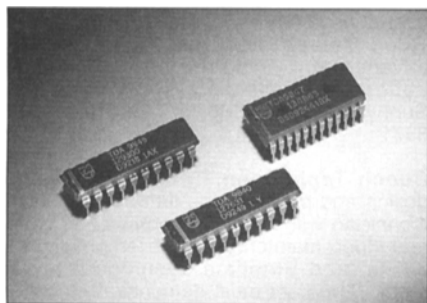
Circle No. 205

The Ampex DCT 1700d, a second-generation DCT® tape drive, is now available from Ampex Systems Corp., 401 Broadway, Redwood City, CA 94063-3199, (415) 367-2011; Fax: (415) 367-2761. The CCIR-601-compatible DCT 1700d features a 19mm transport, 525/625 switchability, and the ability to accept three different sizes of cartridges for a maximum record time exceeding 3 hr. The drive accelerates to full wind speed in less than 1 sec, and its editing capabilities include an animation mode that now features a 1-sec cycle time.

Circle No. 206

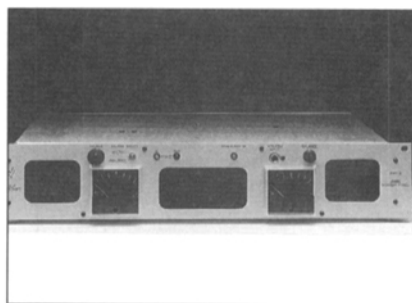
Sunnyvale, CA 94088-3409, (800) 447-1500; Fax: (408) 991-2311. All feature on-chip digital phase-locked loops, synchronous detectors, and digital integrators to identify stereo/dual sound pilot modulations. The TDA9840 provides level adjustment, stereo balance control, and signal source switching for I²C-bus controlled TVs and VCRs. The TDA9845 has a simple logic level control of signal switching in low-cost VCRs. The TDA9847 provides complex main/auxiliary input switching for TVs and VCRs that have SCART connector facilities.

Circle No. 207



New sound processors from Philips Semiconductors

Three new stereo/dual sound processors for TV sets and video recorders have been introduced by Philips Semiconductors, 811 E. Arques Ave., P.O. Box 3409,



Wohler Technologies MSM-2 audio metering system

Three new audio systems are now available from Wohler Technologies, 713 Grandview Dr., S. San Francisco, CA 94080, (415) 589-5676; Fax: 589-1355.

The AMP-SUR is housed in a magnetically shielded 2U chassis and incorporates a surround sound decoder, LED level meters for all four channels, and four powered loudspeakers. Individual volume controls are provided for each channel, with a master volume control for overall level adjustments.

The MSM-2 multiple-source audio metering system is housed in a two-rack-space unit and has two different types of metering modules available. The LV-2 module provides accurate indication across a 76-dB range, and the LV-2B module provides indication across a 50-dB range.

The AMP-2AM stereo audio monitor features analog metering for both input channels and incorporates three power amplifier/loudspeaker combinations. Frequency response measures 80 Hz to 16 kHz, and acoustic output at 2 ft measures 104 dB SPL.

Circle No. 208

The Lightning Charger Mini-Generator has been introduced by ATI Power Products, 1117 La Velle Rd., Alamogordo, NM 88310, (800) 545-5348; Fax: (505) 434-6149. Weighing 16 lb and occupying 1 cu. ft., the Lightning Charger provides 55 A of charging power and 80 A of starting power through detachable jumper cables. It puts out 900 W of continuous 115-V DC power through twin outlet plugs. The engine is powered by a gasoline/oil mixture and its 20-oz tank will run the generator for about an hour.

Circle No. 209

The AardDDA Digital Audio Distribution Amplifier has been introduced by Aardvark Computer Systems, Inc., 202 E. Washington, Suite 306, Ann Arbor, MI 48104, (313) 665-8899; Fax: (313) 665-0694. Transformer-isolated input/outputs minimize the jitter and ground loop noise. AES/EBU standard-compliant XLRs and optional S/PDIF signal adapters provide input and output signals. The AardDDA's signal presence indicator provides visual verification of proper cabling and aids in troubleshooting.

Circle No. 210

The Excel 900 is a microprocessor-controlled film cleaner now available from Lipsner-Smith Co., 4700 Chase, Lincolnwood, IL 60646, (800) 323-7520; Fax: (708) 677-1311. In this nonimmersion system, particle transfer rollers and wetted buffers safely remove surface contamination from motion-picture film without the use of regulated chlorinated solvents. It is designed for use in film laboratories, film-to-tape transfer facilities, and other applications where more sophisticated solvent-based film cleaning methods are not always needed.

Circle No. 211