

New Products

Audio

Graham-Patten Systems, Inc., has introduced its **SoundPals product range** to the international marketplace. The digital line includes a dozen different modules. Four of the new products, ADAT-1 through ADAT-4, provide conversion to and from the analog or AES/EBU domain and the industry-standard ADAT audio format. Other modules include the DA-14, a four-output AES/EBU distribution amplifier, and the DTG-1, an AES/EBU test signal generator. The 12 new modules fall into three categories: processing and distribution, conversion, and test.

Batteries/Power Supplies

The **Omni Ballast system** from OpTex powers any small HMI/MSR daylight lamphead up to 270 W using two standard PAG or Anton Bauer 12 to 14.4-V lock-on camera batteries. The ballast includes full electric dimmer control and incorporates full hot restrike capability.

Svetlana Electron Devices, Inc., has introduced the **3CX6000A7/YU148 power triode**. The product is manufactured with high alumina ceramic doped with chromium and molybdenum which results in a true metal/ceramic chemical bond. The combination allows for a higher processing temperature than that of manufacturers in the west. Features include thorough processing and a 12,000-hour, 3-year warranty.

Cameras/Camcorders

Panasonic Broadcast and Digital Systems has released the **AG-EZ20 digital format and signal processing camcorder**. Weighing less than 1.5 lb, the camcorder will record up to 90 min of digital component video and digital audio on a DAT-sized 1/4-in. cassette. It is equipped with a

4-pin 1394 interface for digital-to-digital transmission or reception when connected with a DVCPRO VTR, nonlinear editing system or a soon to be released IEEE 1394 personal computer. The AG-EZ20 1/3-in. 650,000-pixel CCD and aspherical lens deliver picture quality of more than 400 lines of horizontal resolution. Audio features include a 4-channel, 16-bit, 48-kHZ CD-quality pulse code modulation digital sound system.

Canon U.S.A., Inc., has introduced the **Optura digital video camcorder (DVC)** with the design and features of a 35mm SLR camera lens. The camcorder records video and audio digitally offering improved picture quality with sharper images and better color reproduction. The resolution of the product, exceeding 500 lines, is nearly 25% better than analog formats. DVC delivers finer gradation by eliminating color bleeding and noise. Audio capability is comparable to digital audio tape, using pulse code modulation audio recording and providing two recording modes: 16-bit for highest quality and 12-bit for four-channel stereo audio. The product allows video transfer to analog format. The cassette is 1/4-in. wide and is protected by a locking lid encasing the tape to minimize dust, moisture, or human contact.

Lenses/Optics

The Angenieux **7 to 81mm HR T2.4 lens** from Century Precision Optics features a wide horizontal field angle of 83° along with a zoom range of 11.5x. The product is effective for several production applications utilizing a minimum object distance less than 2 ft, and little geometric distortion. The 3.9-lb lens does not wear down when used with matteboxes, sunshades, and filters. Large calibrated focus engravings are available in feet or meters. The 7 to 81mm is available in either Arri Bayonet, PL, or Aaton mounts.

Schneider Optics, Inc., has introduced virtually jam-proof screw-on **brass filter rings** available in square, rectangular, and round sizes. The rings come in a full line of clear, color correction, and color effects. Combinations available include UV absorbing, enhancing, softening, diopters, split field diopters, and TRUE-POL. Sizes include 72, 77, 82, 86, 95, and 105mm.

Also from Schneider are **B+W full and split field diopters** featuring clear, water-white optical glass which receives an antireflective coating that protects against



Canon digital video camcorder

scratches while increasing light passage. Both split field and full diopters can be purchased individually or in sets of +1/2, +1, +2, and +3. Sizes include 9, 4-1/2 in., 138mm, and unmounted 6 in. The diopters are available in the following screw on millimeter sizes: 72, 77, 82, 86, and 95.

Recording Equipment

Celco, introduced a new **motion picture film recorder** called the eXtreme Nitro. Featuring breakthroughs in EBX advanced CRT technology, the product exposes Eastman 5244 color intermediate stock and Eastman 5234 fine grain duplicating panchromatic negative film for black and white separations. eXtreme Nitro can also image to these stocks directly in 16 mm, and 65mm formats.

Routers

Tektronix, Inc.'s Video and Networking Division has announced its the **Profile VideoGateway, an information packet router**, designed to allow facilities to move video content over telecommunications networks, and facilitate an alternative to existing courier, satellite, and microwave services. It allows Profile video file servers operating on an Ethernet/Fibre Channel network to be connected to distant facilities via WAN services.

Tektronix, has also announced the **SMS-DV Series hi-density serial digital video routing matrix**. The compact product has 525/625 selectable formats for global applications. It will address all digital operating environments, and is configurable to route compressed HDTV/ATV or uncompressed serial digital video up to 360 Mbit/s. The SMS-DV includes two high-density serial video matrices, 128 x 128 and 256 x 256.

MOTION PICTURE PROCESSORS

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Leitch announced the **ASR 16 X 16 router** which includes the new Synchronous Quiet Switch (SQS) processor. The SQS processor provides two processing steps, synchronous switching, and an adjustable cross fade. Synchronous switching maintains AES framing during and after cross-point switches, ensuring that downstream equipment does not lose lock. The cross fade enables a quiet switch between any two sources by fading the two signals near the switch point. The fade is adjustable and can also be disabled.

Signal Processing/ Transmission Equipment

The **KeyLog Tracker graphical interface** from Evertz Microsystems, Ltd., has several new capabilities including reader heads and decoders for KeyCode and Arri codes, dual standard film and tape footage encoders, and teletext logging programs. KeyLog Tracker runs on standard Windows 95 capable computer hardware.

The company has also introduced **Closed Captioning Encoders** featuring direct keying, an internal modem, and V-chip support. Data can be encoded into caption and text channels in fields 1 and 2 of the video. Extended data services packets can be encoded into field 2 supporting station name, call letter identification, program name, classification, and remaining air time.

Evertz has also developed a line of analog and digital **source identification encoders and decoders**. These units use Neilson/AMOL 1 and VITC user bits for plant and uplink signal identification and can encode source ID, VTR time code and status into the vertical interval using Vertical Interval Time code. The three variations of the product are under-mounted display, burned-in text, and compare functions.

The **VES-MX video transmission multiplexer** from Macrovision Corp., can transmit two video signals over a single existing video link, eliminating the need for duplicate transmission hardware and a second frequency channel allocation. The product features DC power operation and a miniaturized design to meet the unique requirements of the law enforcement market. The combined multiplexed signal maintains the NTSC format, which makes VES-MX completely compatible with the company's VES encryption systems, standard microwave radio equipment, satellite transmitters, and fiber-optic CODECS.

Physical Optics Corp. has introduced the **POC220 bi-directional, fiber-optic transmission system**. Product applications include remote multimedia studio interconnections, remote monitoring, media retrieval, distance learning, and audio-

video-data conferencing. The transmission system's high-speed digital optics produce high-fidelity performances at distances up to 50 km, and requires no user adjustments during setup and operation. The POC220 can achieve simultaneous transmissions of digital stereo audio, full bandwidth video, and narrow-band data over a single fiber or fiber pair. Front-panel connectors provide video, line level audio, DB9 serial data, and FC-type connections for singlemode fiber and ST-type connection for multi-

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

Canon U.S.A., Inc., One Canon Plaza, Lake Success, NY 11042, tel: (800) 652-2666, Internet: <http://www.canonv.com>.

Celco, 1150 E. 8th St., Upland, CA 91786, Internet: <http://www.celco.com>.

Century Precision Optics, Inc., 11049 Magnolia Blvd., No. Hollywood, CA 91601, tel: (818) 766-3715, fax: (818) 505-9865, Internet: <http://www.centuryoptics.com>

Evertz Microsystems, Ltd., 3485 Mainway, Burlington, Ont., Canada, L7M 1A9, tel: (905) 335-3700, fax: (905) 335-3573, e-mail: Internet_sales@evertz.com, Internet: <http://www.evertz.com>

Graham-Patten Systems, Inc., 13366 Grass Valley Ave., Grass Valley, CA 95945, tel: (916) 273-8412, fax: (916) 273-7458, Internet: <http://www.gpsys.com>

Leitch Inc., 920 Corporate Ln., Chesapeake, VA 23320, tel: (800) 231-9673, fax: (757) 548-4088, Internet: <http://www.leitch.com>

Macrovision Corp., 1341 Orleans Dr., Sunnyvale, CA 94089, tel: (408) 743-8600, fax: (408) 743-8610, e-mail: tsg-info@macrovision.com, Internet: <http://www.macrovision.com>

OpTex, 20-26 Victoria Rd., New Barnet, No. London, EN4 9PF, U.K., tel: +44 (0)181-441-2199, fax: +44(0)181-449-3646, e-mail: info@optext.com, Internet: <http://www.optext.com/optex/>

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

Physical Optics Corp., 2545 W. 237th St., Ste. B, Torrance, CA 90505, tel: (310) 530-1416, fax: (310) 530-4577, Internet: <http://www.pocs.com>.

Schneider Optics, Inc., 285 Oser Ave., Hauppauge, NY 11788, tel: (516) 761-5000, fax: (516) 761-5090, e-mail: info@schneideroptics.com, Internet: <http://www.schneideroptics.com>

Svetlana Electron Devices, 3000 Alpine Rd., Portola Valley, CA 94028, tel: (415) 233-0429, fax: (415) 233-0439, e-mail: sales@svetlana.com, Internet: <http://www.svetlana.com>.

Tektronix, Inc., P.O. Box 500, Beaverton, OR 97077-0001, tel: (800) 547-8949, fax: (503) 627-7257, Internet: <http://www.tek.com>

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