

# New Products

## Audio Equipment

The **DSC 260 digital system controller** from JBL Professional lets users regulate electronic crossover points, transducer equalization, signal alignment, and level matching and limiting. A program setting is easily selected by recalling it with a front panel button. For complete system control, the device contains active crossover filters with up to 48 dB/active slopes to divide the audio spectrum into separate passbands for each transducer. Six separate outputs can be derived from either of the two inputs or a sum of both. The unit also offers up to 30 bands of parametric equalization for smooth system frequency response over the entire bandwidth and to provide uniform high-frequency power response.

## Cables and Connectors

Gepco International has introduced the **7537 super trunk cable** for digital audio distribution. Designed for digital audio routing, the cable can carry up to 50 channels of AES audio on runs as long as 2200 ft. The outer jacket is extremely flexible with color-coding and alphanumeric identification. Available in bundles of 5, 10, 12, and 25, the 7537 is also applicable for short-run distribution of video.

Gepco also announced its **remote optical fiber cable**, produced in conjunction with CommScope. The cable is designed for remote broadcast locations, such as sports or news sites. It is tough and kink-resistant, yet flexible for easy pulling. Its tight buffer makes for simple but rugged terminations and it can operate in temperatures ranging from -40° C to 85° C. The remote optical fiber cable is available in single-mode or multi-mode and two, four, six, and eight fibers.

Nemal Electronics has introduced the **CC0914P remote control composite cable** for use with Sony paintbox remotes. The cable includes the typical RCC cable together with four individually color-coded audio pair and a single precision coaxial cable. The Nemal felt jacket provides protection from high as well as low temperature extremes and is extremely resistant to abrasion, oil, gas, and ozone.

Also from Nemal is the **CC2620 line of multi-core camera cables** for use with Sony, Panasonic, Hitachi, Ikegami, JVC, and Toshiba equipment. The cables feature precision coaxial members, various control wires, and a flexible outer jacket. The precision coaxial members feature

individual jackets, which prolong cable life and offer protection from shielding failures.

## Control Systems

The **CCU-TX7 triax camera control system** from Sony Electronics, Inc., consists of the camera control unit, the CA-TX7 camera adapter, the RCP-TX7 remote control panel, and the COU-TX7 camera operation unit. Equipped with a coax input, the camera is able to operate over conventional coaxial cable with power supplied locally to the camera. A maximum of 10-bit quantized data can be transmitted at high speed through serial data transmission using a triax cable; this achieves the benefit of smooth, real-time control and instant tactile response from remote control devices. The camera control unit has two return video inputs and thus accepts return video signals.

## Film

Eastman Kodak Co. has announced two additions to its family of premium motion picture films. The **Kodak Vision 200T and 250D color negative films** are designed to record sharper images with less apparent grain, as well as to intercut seamlessly for both television and cinema applications. Imaging characteristics include extended latitude, dye stability, tonal scale, and color rendition. The Kodak Vision 200T film is optimized for an exposure index of 200 in 3200° Kelvin tungsten light, typically used on motion picture sets. It can also be used in natural or artificial daylight with a color correcting filter on the camera lens. The Kodak Vision 250D film is optimized for an exposure index of 250 in natural and artificial daylight, as well as with mixed sources of warm and cold light; it can also be used in tungsten light with a color correcting filter on the camera lens.

## Film Equipment

Maxell Corp. of America has announced its **CL-S environmentally-safe, non-chlorine-based cleaning solution** for magnetic heads and transports of professional VCRs and various other professional equipment; the solution is also good for connector restoration and for cleaning metal connecting points of electronic equipment. CL-S prevents debris build-up from occurring through an innovative fluoride additive that establishes a molecular film on the head surface. The application effects last more than 100 hours of normal tape running and features extremely low surface tension and hygroscopic propensity that enables the solution to clean small

gaps while preventing corrosion of metal parts caused by water. It is nonflammable and harmless to rubber and plastic, making it useful for cleaning pinch rollers and other transport components.

## Lenses/Optics

The **Digital Series of lens accessories** from Century Precision Optics was created especially for use with the new digital palmcoders with small lens front diameters. The Digital Series .65X wide-angle converter captures a wider angle of view while maintaining full zoom capabilities; the .6X wide-angle adapter can be used for wide angles when zooming isn't needed. The front-mounting 2X tele-converter provides greater telephoto reach; attached to the front of a zoom lens, it shifts the focal length range in the telephoto direction. Also included in the series are acromatic diopters, which provide maximum magnification and image clarity.

The **S12X5BRM wide-angle ENG lens for 1/2-in. format color cameras** from Fujinon, Inc., features electron beam coatings, which improve contrast while reducing flare and ghosting to the lowest possible levels. The lens has a focal length of 5 to 60 mm, MOD of 0.5 m, and F-number of 1.8 from 5 to 54 mm, and 2.0 at 102 mm; the iris range is F1.8 to F16.

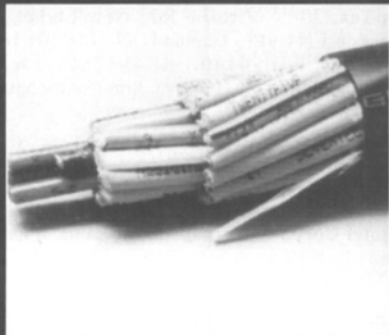
The **OpTex/Canon 14.5 to 480 mm, T3 zoom lens** from OpTex comes with an optional 2x extender and features zoom, focus, and iris controls engraved with large luminous scales. The lens offers 0.8 modulus zoom, focus and iris gear rings compatible with studio follow focus rigs, manual fluid zoom drives, and motorized control systems.

## Signal Processing/Transmission Equipment

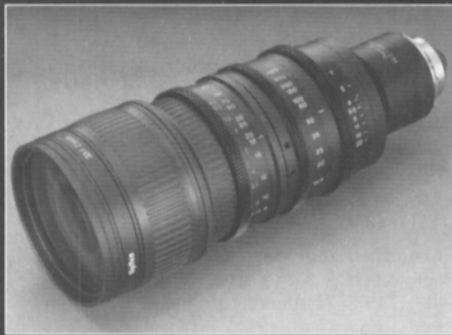
Faroudja Laboratories, Inc., announced the **VPB 100 TV enhancer OEM board**, intended to be installed either in an OEM standalone enclosure, or inside an OEM TV cabinet or projector. The VPB 100 accepts composite NTSC input and provides S-video output (separate luma and chroma signals). Faroudja Labs' adaptive comb filter technology significantly reduces cross color and cross luminance artifacts, while the on-board detail enhancer ASIC sharpens both the vertical and horizontal transitions without adding additional artifacts. The board uses digital signal processing to implement the separation and enhancement functions, resulting in a system which is entirely maintenance and adjustment-free.



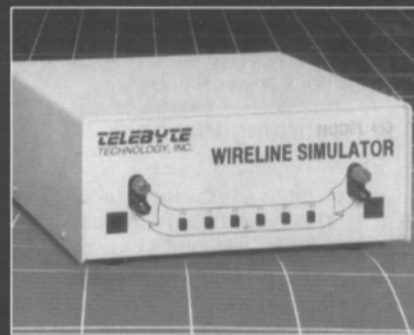
JBL Professional's DSC 260 digital system controller.



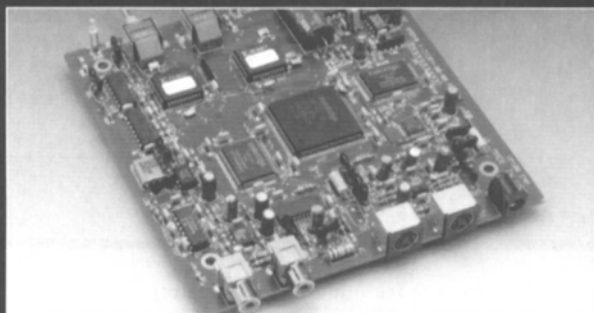
7537 Super Trunk Cable from Gepco International.



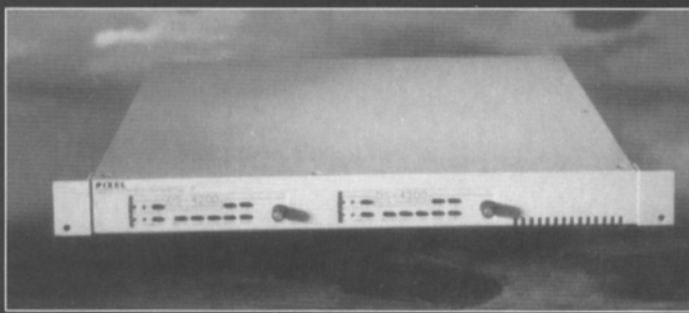
OpTex/Canon Super 16 T3 zoom lens from OpTex.



Telebyte Technology's Model 453 extended wideband local loop simulator



VPB100 TV Enhancer Board from Faroudja Labs.



DS4200 serial digital proc amp and synchronizer from Pixel Instruments.

The DS4200 digital proc amp from Pixel Instruments accepts a 10-bit, 270-Mbit/sec serial digital input signal and provides two equalized and relocked SDI outputs synchronized to the local genlock reference. Controls include video gain, chroma gain, black level, and  $C_r/C_b$  differential gain, in addition to pixel by pixel output timing over an 8-line range. The proc amp can be controlled from the front panel or an optional remote control panel.

The Model 453 extended wideband local loop simulator from Telebyte Technology, Inc., is for use with all xDSL transmission products including those that use the industry standard DMT technology or the Lucent/Paradyne CAPS technology. The Model 453 precisely simulates the frequency response and propagation delay of a 26-AWG telephone cable. The unit is completely passive and has two bi-directional ports. The device, intended for developing and testing higher speed local loop transmission products such as ADSL, HDSL, T1, and E1 modems, includes a bridge tap connector that can be used to simulate taps

on the line or, in the case of computer controlled testing, the bridge tap connector provides access to each switchable length of line.

#### Software

The RTS-3200 Videopress Author Video CD authoring software, version 3.0, from Sony Electronics, Inc., works in conjunction with the Sony RTE-3000 MPEG-1 encoder and Sprespa CD-ROM recording hardware to create video CD and Video CD-ROM titles. It handles all phases of creation from a single main menu, including compose, encode, simulate, and burn. The software allows viewing of video CD titles to be viewed with a Windows-based PC.

#### Support Equipment

Alfred Chrosziel of Munich has introduced its Quick-Lock Tripod Plate baseplate system, being distributed by Band Pro Film/Video, Inc. Designed exclusively for Betacam or other cameras that use a Sony tripod plate, the system guarantees a fast

and rigid connection between camera and tripod. The camera is fixed in two points through a single lever; a slide of the lever lets the operator remove the camera from the plate.

The Gamma Fluid Head from Cartoni U.S.A. was designed especially for dockable camcorders weighing from 15 to 35 pounds. It offers infinitely adjustable tension settings, Euro-quick release, and a full 180° tilt range. With variable counterbalance, the Gamma accommodates offset payloads such as long lenses and top-mounted viewfinders. An ergonomic knob offers convenient lockdown.

#### Switchers and Routing Systems

DNF Industries announced its SW2x1 switcher, specifically designed to enable stations to switch quickly and easily between on-air automation systems and backup control systems in the event of an automation failure. The electronic A/B RS-422 switch features two buffered inputs and one buffered output for easy interfacing.

Skotel Corp. introduced the **24 x 1 monitoring switcher and controls**, intended for applications that require the monitoring of large numbers of combined stereo audio and video sources. Switchers with a capacity of 24 inputs may be cascaded to produce large switchers. Vertical blanking interval switching is used. Serial RS-485 bus control operating at 9600 baud, from a variety of remote panels or a computer, may be extended up to 1000 m. The switcher is housed in a 2-RU case, and power is from an external brick power supply.

### Video Recording/Playback Equipment

Sony Electronics, Inc., introduced the **DSR-PD1 DVCAM digital videocassette recorder**, a compact digital video camera that uses a 1/3-in. color CCD chip with 680K pixels. The camera features a 12-bit/32-kHz recording mode with a locked audio system. The image stabilization system uses motion sensors that compensate for unwanted hand jitter. A built-in speaker with volume control allows for immediate review of recorded audio material.

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

**BandPro Film/Video, Inc.**, 3403 W. Pacific Ave., Burbank, CA 91505, tel: (818) 841-9655, fax: (818) 841-7649

**Cartoni U.S.A.** 2755 Alamo St., Ste. 103, Simi Valley, CA 93065, tel: (805) 520-6086 or (800) 845-6619, fax: (805) 520-6949, e-mail: cartoniusa@aol.com, Internet: <http://www.cartoni.com>

**Century Precision Optics**, 11049 Magnolia Blvd., N. Hollywood, CA 91601, tel: (818) 766-3715, fax: (818) 505-9865

**DNF Industries**, 9970 Glenoaks Blvd., Ste. D, Sun Valley, CA 91352, tel: (818) 252-0198, fax: (818) 252-0199, Internet: <http://dnfindustries.com>

**Eastman Kodak Co.**, 343 State St., Rochester, NY 14650, tel: (716) 724-4000

**Faroudja Laboratories**, 750 Palomar Ave., Sunnyvale, CA 94086, tel: (408) 735-1492, fax: (408) 735-8571, Internet: <http://www.faroudja.com>

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

**Gepco International, Inc.**, 2225 W. Hubbard, Chicago, IL 60612-1613, tel: (312) 733-9555, fax: (312) 733-6416

**JBL Professional**, 8500 Balboa Blvd., Northridge, CA 91329, tel: (818) 893-8850, fax: (818) 830-7802

**Maxell Corp. of America**, 22-08 Route 208, Fair Lawn, NJ 07410, tel: (201) 796-8790, Internet: <http://www.maxell.com>

**Nemal Electronics International, Inc.**, 12240 NE 14th Ave., N. Miami, FL 33161, tel: (305) 899-0900, fax: (305) 895-8178

**OpTex**, 20-26 Victoria Rd., New Barnet, N. London EN4 9PF, England, tel: +44 (0) 181-441 2199, fax: +44 (0) 181-449 3646, e-mail: [info@optext.com](mailto:info@optext.com), Internet: <http://www.optext-int.com/optext/>

**Pixel Instruments Corp.**, 718 University Ave., Ste. 210, Los Gatos, CA 95030 (408) 354-9122, fax: (408) 354-0122

**Skotel Corp.**, 2323 Halpern, St. Laurent, Que., Canada H4S 1S3, tel: (514) 333-7989, fax: (514)333-6914

**Sony Electronics, Inc.**, 1 Sony Drive, Park Ridge, NJ 07656, tel: (800) 635-7669

**Telebyte Technology, Inc.**, 270 Pulaski Rd., Greenlawn, NY 11740-1616, tel: (516) 423-3232, fax: (516) 385-8184, e-mail: [sales@telebyteusa.com](mailto:sales@telebyteusa.com), Internet: <http://telebyteusa.com>

## Books, Booklets, Brochures

**Broadcast Technology Update: Production and Transmission** by Peter B. Seel and August E. Grant provides broadcast students and professionals with a detailed overview of the latest developments in all areas of broadcast production technology. Each chapter, written by an expert in the subject area, opens with an introduction and technical description, followed by sections providing the history, recent developments, current status, and factors to watch regarding the technology. In order to keep the book fresh and the information current, users of the book will be invited to turn to a companion Web site that provides regular updates. The 226-page paperback is available from Focal Press, 313 Washington St., Newton, MA 02158-1626, <http://www.bh.com/bh/fp>.

**A History of Mass Communication: Six Information Revolutions** by Irving Fang traces the common themes in the long and complex history of mass communication. It shows how the means of communicating grew out of their eras, how they developed, how they influenced the societies of those eras, and how they have continued to exert their influence upon subsequent generations. The 288-page book is available from Focal Press, 313 Washington St., Newton, MA 02158-1626, <http://www.bh.com/bh/fp>.

**Sound for Film and Television** by Tomlinson Holman covers the broad field of sound accompanying pictures from the fundamentals through recording, editing, and mixing for films, documentaries, and television shows. Basic principles are presented with illustrations on how they affect the day-to-day activities on a film or television set, in the editing room, and in the mix room. The accompanying audio CD demonstrates the key concepts discussed in the book. *Sound for Film and Television* is available from Focal Press, 313 Washington St., Newton, MA 02158-1626, <http://www.bh.com/bh/fp>.

**The Based LED Engineering Design Guide** has been published by Ledtronics, Inc., 4009 Pacific Coast Highway, Torrance, CA 90505. The 16-page booklet cross-references common miniature and subminiature lights to their LED equivalent. The guide also provides helpful application notes as well as a fax form for ordering free samples for testing particular applications.

**The Set Lighting Technician's Handbook: Film Lighting Equipment, Practice, and Electrical Distribution, 2nd Ed.**, by Harry C. Box focuses on what is important when working on a set, including troubleshooting, teamwork, set protocol, and safety. It describes tricks and

techniques for operating a vast array of lighting equipment including xenons, camera-synchronous strobes, black lights, underwater units, lighting effects units, and many others. The 448-page paperback is available from Focal Press, 313 Washington St., Newton, MA 02158-1626, <http://www.bh.com/bh/fp>.

**The 1997 Official Buying Guide** is now available from National Audio-Visual Supply, Route 121 E., Grafton, VT 05146-0116. The 222-page summer sale edition holds comparative specifications and facts on nearly 6,500 high-tech and traditional audio/visual, video, multimedia, and presentation technology products. Over 700 new items are featured.

**The Broadcast Century, 2nd. Ed.: A Biography of American Broadcasting** by Robert L. Hilliard and Michael C. Keith gives the history of broadcasting in a direct and informal style, blending personal insight and authoritative scholarship to fully capture the many facets of the industry. The 320-page paperback depicts the events, people, programs, and companies that made television and radio dominant forms of communication. The book is available from Focal Press, 313 Washington St., Newton, MA 02158-1626, <http://www.bh.com/bh/fp>.