

# New Products

## Audio Equipment

GLW, Inc., has introduced the **TV950 audio console**, a modular unit with a control surface customizable to suit the needs of broadcast and video post-production facilities. Features include assignable machine logic, three mix-minus options, either four or eight stereo bus groups, mono or stereo input modules, a control room/studio/communications module with tallies, an automated router interface, and LCRS panning for surround applications. Frame sizes can be configured for up to 64 positions.

Microtech Gefell has introduced the **MD 100**, a cardioid microphone using a dynamic pickup transducer, which has a built-in elastic suspension to make it insensitive to handling noise. The frequency response extends from 15 kHz down to 150 Hz with a gentle rolloff below that point. The capsule is a pressure gradient design with a transformer providing a 220- $\Omega$  output impedance. The MD 100 will be distributed in the U.S. by G Prime Ltd.

## Cables and Connectors

The **1865A video cable** from Belden Wire and Cable Co. features a 19-strand design, with 37 AWG strands. A foil/braid shield, consisting of Duofoil alu-

minum/polyester laminate and a tinned copper braid, is used to ensure signal integrity. A gas-injected foam high-density polyethylene insulation provides crush resistance. The cable's nominal impedance is 75  $\Omega$  and the maximum operating voltage is 300 VRMS.

The **Cobra fiber-optic triax interface** from Telecast Fiber Systems, Inc., interconnects Sony and Ikegami and Sony triax-equipped cameras to their base stations using ultralightweight fiber-optic cable. The system permits up to three to five times the range of conventional unrepeatered triaxial systems: the producer can locate cameras more than 50,000 ft away from their base stations. All camera signals, communications, and control functions are supported, and component program video transmission permits the use of chroma keying.

## Control Systems

The **EventMaster master control event sequencer system** from Sundance Digital, Inc., can control up to 250 tape machines and most major types of routers and switchers. It is primarily designed for broadcast television facilities, but is also an attractive solution for cable systems, in-house training networks, and distribution facilities.

## Film

Eastman Kodak Co. has introduced the **Kodak Vision 500T and 320T color negative films**, designed to record sharper images with a tighter grain structure. The 500T is rated for an exposure index of 500 in 3200° K tungsten light; it will replace the Eastman EXR 500T color negative films 5298/7298 in all formats, including 65mm, 35mm, Super 16, and 16mm. In 3200° K tungsten light, the 320T has an exposure index of 320. This film is designed to replace the Eastman EXR 200T color negative films 5287/7287 in all formats.

## Lenses

Arriflex Corp. has announced the **VP1, VP2, and VP3 variable primes**, together covering a continuous focal range from 16 mm to 105 mm. Features include high-speed T2.2, full coverage of silent format, interior focusing with fixed front group, integrated gear rings for lens control system operation, large scales in feet or meters that can be read horizontally from both sides, and rectangular front mask to prevent reflections and stray light.

## Lighting Equipment

Arriflex Corp. has introduced two new Fresnel lights. The **Compact 6000W**

1. The TV950 from GLW, Inc.
2. The Cobra triax from Telecast Fiber Systems.
3. Eastman Kodak's new Vision films.
4. The ARRI variable primes from Arriflex Corp.
5. The SMT06 from Tektronix and Rohde & Schwarz.
6. Innovision's RadCam camera car.
7. Prime Image's Compon.

produces 6800 fc in spot at 25 ft or 425 fc in flood. This single-ended HMI Fresnel uses ARRI's traditional aluminum extrusion and cast construction. The **10000W Fresnel** is suitable for studio or location applications, and the 16 3/4-in. Fresnel lens increases light output without significantly increasing size or weight.

### Signal Processing/Transmission Equipment

The **Compon video synchronizer/time base corrector** from Prime Image, Inc., transcodes YUV (YRB), Y/C, and composite signals and is available in NTSC, PAL, or PAL-M. This rack-mounted unit is fully digital.

The **VMB system** from RGB Spectrum is a video multifunction board that provides a full range of video display and processing functionality in a single-slot VME board. The system combines a video digitizer, overlay system, two video frame buffers, and a video switcher. An optional time base corrector, video frame store, and JPEG compression/decompression capability are also available. The output can be genlocked to the input signal, to another video signal, or to an internal sync generator. A built-in switcher provides up to four video inputs and outputs.

## SMPTE Test Films



SMPTE has a full line of test materials for television and motion pictures, including monochrome TV test patterns, color TV subjective reference films and slides, photographic sound test films, magnetic sound test films, and a complete range of projector performance films. Most TV films are available in 35mm, 16mm, and 2 X 2-inch transparencies. The sound films are available in 35mm and 16mm (the magnetic sound films are also available in super 8), and the projector performance films are available in 35mm, 16mm, super 8 and regular 8, depending upon the film type. Films are in stock for immediate shipment. All films are guaranteed.

For your free catalog, write to:

**SMPTE Test Film Dept.  
595 W. Hartsdale Ave.  
White Plains, NY 10607**

Tektronix, Inc., has announced the **SME06 and SMT06 RF signal generators** from Rohde & Schwarz. The SME06 provides a host of digital modulation schemes and offers all the standard analog modulation schemes. The SMT06 is equipped to cover the entire range of analog receiver measurements and is suitable for both bench-top engineering use and manufacturing test applications. Both generators have a frequency range of 5 kHz to 6 GHz.

### Software

Telemetrics, Inc., has introduced its **control panel software (TM-CPS) and People Tracker software** for broadcast, video production, and interactive television applications. The TM-CPS is a Window-based program that provides simple control of all camera robotics and electronic settings. It delivers real-time monitoring, switching, robotics movement, and camera set-up capabilities. People Tracker software provides continuous pan/tilt/zoom tracking of a moving object; all movement is generated through software-based computer vision analysis.

### Standards Converters

The **Vega television standards converter** from Vistek Electronics, Inc., provides bidirectional conversion of NTSC and PAL as well as other international standards. Features include synchronization, video correction, and noise reduction capabilities. It also has a 270 Mbit/sec serial digital interface plus an integral audio delay.

### Support Equipment

Innovation Optics has developed the **RadCam camera car**, which is capable of capturing high-speed, low-angle action. Among its features are speed and maneuverability, four-wheel independent suspension, and interchangeable wide lenses. The wireless RadCam car can be positioned in the front, rear, left, or right side of the vehicle, anywhere from 1 to 15 in. off the ground.

Telemetrics, Inc., has introduced two new pan/tilt mechanisms. The **PT-CHD** has a weatherproof construction for outdoor applications. It is available with either top or side camera mounts and provides 350° pan range, +20 to -90° tilt position from level position, and end stop adjustments. The maximum load capacity is 26 lb. The **PT-HD** features a pan travel range of 350° at 4.8°/sec, adjustable tilt travel at 2.4°/sec, and a maximum load capacity of 66 lb.

A **camera robotics trolley system** developed by Telemetrics can be either wall or ceiling-mounted with motorized or manual operation. It operates at variable speeds up to 1 ft/sec.

### Test and Measurement Equipment

Videotek, Inc., has introduced the **VSG-204D digital sync and test generator**, which has ten serial digital video test signals, free run or genlock capability, 525/60 or 625/50 operation, and four analog black burst options. Among its other features are stereo analog tone outputs, two AES/EBU audio pairs, and four channels of embedded audio.

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

**Arriflex Corp.**, 617 Route 303, Blauvelt, NY 10913-1123, tel: (914) 353-1400, fax: (914) 425-1250

**Belden Wire & Cable Co.**, P.O. Box 1980, Richmond, IN 47375, tel: (800) 235-3364

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

**G Prime Ltd.**, 1790 Broadway, 4th Fl., New York, NY 10019, tel: (212) 765-3415, fax: (212) 581-8938

**GLW, Inc.**, 7104 Crossroad Blvd., Ste. 118, Brentwood, TN 37027, tel: (615) 370-9001, fax: (615) 370-4906

**Innovation Optics**, 1318 Second St., Santa Monica, CA 90401, tel: (310) 394-5510, fax: (310) 395-2941

**Prime Image**, 19943 Via Escuela, Saratoga, CA 95070, tel: (408) 867-6519, fax: (408) 926-7294

**RGB Spectrum**, 950 Marina Village Pkwy., Alameda, CA 94501, tel: (510) 814-7000, fax: (510) 814-7026

**Sundance Digital, Inc.**, 6309 N. O'Connor Rd., Ste. 217, Irving, TX 75039, tel: (214) 444-8442, fax: (214) 444-8450

**Telecast Fiber Systems, Inc.**, 102 Grove St., Worcester, MA 01605, tel: (508) 754-4858 (508) 752-1520

**Telemetrics, Inc.**, 6 Leighton Pl., Mahwah, NJ 07430, tel: (201) 848-9818, fax: (201) 848-9819

**Videotek, Inc.**, 243 Shoemaker Rd., Pottstown, PA 19464-6433, tel: (610) 327-2292, Fax: (610) 327-9295

**Vistek Electronics, Ltd.**, Wessex Rd., Bourne End, England, SL8 5DT, tel: +44 1628 531221, fax: +44 1628 530750

## Obituary

**Cecil S. Bidlack** has passed away at the age of 93. Bidlack, an active member of the Society since 1954, had held such positions as television engineer, National Association of Educational Broadcasters, Urbana, Ill.; technical director, NBC, Inc., Cleveland, Ohio; and Smith Electronics, Inc., Cleveland, Ohio.