

New Products

Audio Equipment

The AKG D230 microphone from AKG Acoustics has been designed for demanding electronic news gathering (ENG) field applications. It is a sensitive, omnidirectional capsule that produces high usable signal output for very low noise. Vocal quality is smooth and natural, even when the microphone is placed some distance away from the speaker or at an extreme angle. The D230 also features an integrated windscreen to suppress wind noise and reporter "p-pops," along with advanced capsule isolation to virtually eliminate handling noise.

AKG Acoustics has also introduced the **AKG C577 Dual Diaphragm Condenser Microphone**. With an on-camera profile lower than that of a pencil-end eraser, the C577 incorporates two side-mounted diaphragms and comes supplied with a 3-m cable terminating in a phantom power adapter with integrated XLR connector.

Cables and Cable Accessories

Telebyte Technology, Inc., has introduced the **Model 230FC coax bit driver**. The Model 230C is a miniature RS-232 line driver that provides full duplex operation over a single coax cable at data rates up to 38,400 BPS. Coax connection distance can extend to 1.5 miles.



Model 230FC from Telebyte Technology.

Cameras and Camera Accessories

The Shuttle from Innovision Optics offers remote-controlled travel along a curved or straight single track for video or film cameras weighing up to 56 lb. The unit features accurate joystick controllers that provide variable speed of up to 20 in./sec, and when used in combination with the Mini-Mover pan and tilt head, the Shuttle is capable of a variety of complex, repeatable camera moves in both upright and under-



Shuttle and Shuttle Track (in underslung mode) by Innovision Optics.

slung modes. The Shuttle Track comes in both straight and curved segments for an infinite range of configurations.

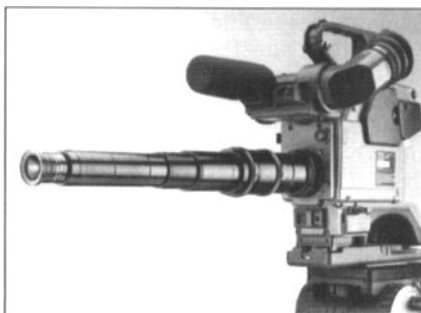
Lenses and Optics



Super Fisheye Adapter from Century Precision Optics.

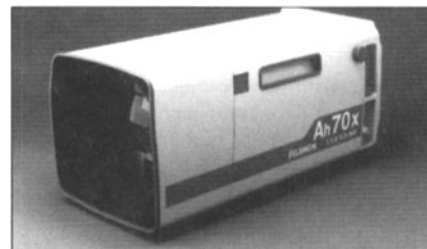
New from Century Precision Optics is the **Super Fisheye Adapter**, for use with the newest generation of internal video focus video zooms when the widest possible field of view is required and zooming isn't appropriate. Designed in conjunction with Tinsley Laboratories, the Super Fisheye has a magnification factor of approximately .55 and produces an extraordinary degree of barrel distortion.

The Probe II Lens System from Innovision Optics features a 15-in.-long barrel with a diameter of 1.7 in., allowing



Probe II lens from Innovision Optics.

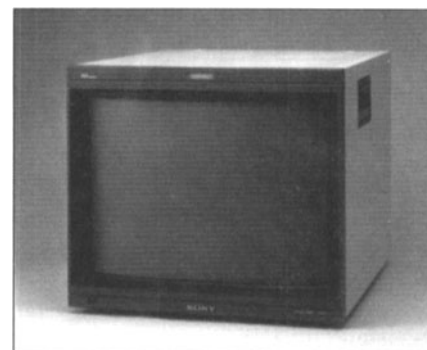
the operator to get over, under, and even through objects. The lens also offers a flatter overall field and improved edge-to-edge sharpness. Available in both 35mm and 16mm/video versions, the Probe II features interchangeable front objectives in a variety of focal lengths.



Fujinon's Ah70X9.5ESM lens.

Fujinon, Inc., has developed the **Ah70X9.5ESM zoom ratio field production lens**. The lens has a focal length range of 9.5 mm to 665 mm (1330 mm with 2X extender deployed) and features high contrast and minimum flare. Maximum aperture is F1.6 from 9.5 to 313 mm and F3.4 at 665 mm, and maximum photometric aperture (T-number) is T1.78. The lens is sealed to prevent entrance of dust and contains a desiccant compartment to remove condensation caused by extreme changes in temperature.

Monitors



Sony's BVM-20E1U monitor.

The BVM monitor line from Sony Electronics was designed to meet the production and broadcast industry's demand for flexible, high-resolution monitors that can accommodate a variety of on-line editing and multisource formats. Both the 20-in. **BVM-20E1U** (with a targeted 1100-line resolution) and the 14-in. **BVM-14E5U** (with an 800-line resolution) CRT monitors feature built-in auto alignment; built-in safe area title display; interactive

status and reporting system; serial/parallel remote-control interface; multiple externally accessible slots for decoders, expansion cards and optional interfaces; and a 16:9/4:3 switchable aspect ratio.

Production and Post-Production

PostSuite by D-Vision Systems, Inc., is a family of fully integrated Windows-NT workstations, optimized for capture, editing, and playback of high-quality digital media. These workstations include either D-Vision OnLINE or D-Vision FilmCUT software and feature dual Pentiums and simultaneous EISA and PCI slots. They are available with a wide range of inputs and outputs including component analog, serial D-1, and up to four channels of DAT audio.

Signal Processing/ Transmission Equipment

New from Tekniche is the **6017 comb filter decoder**, a high-quality, 10-bit digital comb-filter decoder mounted on a single eurocard module. The 6017 uses two new application specific integrated circuits (ASICs) designed by Tekniche and features auto standard detection (PAL/NTSC/PAL-M/PAL-N), EDH insertion, proc amp facilities, and remote control. The card has one looping analog composite and four serial digital component outputs.

Tekniche has also introduced two new converters. **The 6038 parallel-to-serial converter** is mounted on a single eurocard and features auto standard conversion and EDH insertion. The 6038 also has one parallel input and up to four serial outputs. **The 6039 serial-to-parallel converter**, which is also mounted on a single eurocard, contains auto standard detection and EDH extraction; the card can also remove embedded auxiliary information. The 6039 has one parallel output and up to eight regenerated serial outputs.

Software

D-Vision Systems, Inc., has introduced two new upgradable families of software. **D-Vision OnLINE** supports broadcast-quality video; a variety of inputs and outputs, including component analog and serial D-1; 24 tracks of 50 KHz audio; real-time effects; alpha channel keying; and anti-aliased graphics. The second family, **D-Vision FilmCUT**, features 24 frame/sec capture and editing for frame accurate film conforming, up to 48 tracks of audio mixing, and an easy-to-use film jog option.

Test/Masurement Equipment

The Model 310A video integrator from Colorado Video, Inc., provides a DC output

signal directly proportional to the average video level of picture information located inside an operator-selected area. Size of the sensitive area is variable by front panel controls and position is changeable remotely as well as from the front panel.



Model 310A video integrator from Colorado Video.

New from JBL Professional is the **Digital System Monitor One (DMS-1)**. Each DMS-1 includes a comprehensive digital controller that combines the functions of a stereo two-way crossover, signal alignment delay, and multiband equalizer in one digital processor. For low-frequency reproduction, the system uses dual 14-in. Neodymium transducers that incorporate JBL's patented Vented Gap Cooling. Cooler operation dramatically reduces the effects of power compression, resulting in increased acoustic output and extension of linear reproduction.

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

AKG Acoustics, 8500 Balboa Blvd., Northridge, CA 91329, (818) 894-8850; Fax: (818) 830-1220

Century Precision Optics, 10713 Burbank Blvd., N. Hollywood, CA 91601, (818) 766-3715; Fax: (818) 505-9865

Colorado Video, Inc., 6235 Lookout Rd., Ste. G, Boulder, CO 80301, (303) 530-9580; Fax: (303) 530-9569

D-Vision Systems, Inc., 8755 W. Higgins Rd., Ste. 200, Chicago, IL 60631, (800) 838-4746

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

Innovision Optics, 1318 Second St., Santa Monica, CA 90401, (310) 394-5510; Fax: (310) 395-2941

JBL Professional, 8500 Balboa Blvd., Northridge, CA 91329, (818) 894-8850; Fax: (818) 830-1220

Sony Electronics, 1 Sony Drive, Park Ridge, NJ 07656, (800) 635-7669

Tekniche, 100 Stonehurst Ct., Northvale, NJ 07647, (201) 784-2288; Fax: (201) 784-3860

Telebyte Technology, Inc., 270 Pulaski Rd., Greenlawn, NY 11740-1616, (516) 423-3232; Fax: (516) 385-8184

Obituaries

Robert D. Shoberg passed away on January 30, 1995. He was 78 years old. After serving in World War II in the photographic branch of the Army Signal Corps, he became involved in the development of the Fastax Camera. He later developed the Hycam, a single-shaft, rotating prism camera that is still widely used today. In 1976, became the founder and president of Photonic Systems, Inc., which manufactures the Photec High-Speed Camera.

Shoberg joined the SMPTE in 1954 and was made a Fellow in 1965. He was very active in Society activities, serving at various times on the Photoinstrumentation Committee, the Educational Advisory Committee, the Fellow Membership Committee, and the Progress Medal Award Committee. He was also SMPTE's Vice-President for Photonic Affairs from 1982 to 1983. In 1973, he was awarded the E. I. Du Pont Gold Medal Award "for his many contributions to the field of high-speed photography and for his striving toward perfection in rotating prism cameras."

Charles A. Hulcher has died at the age of 84. He joined the Society in 1952,

the same year he became president of the Charles A. Hulcher Co., Inc., engaged in the development and manufacture of 70mm cameras and related equipment.

Paul C. Foote, an SMPTE Life Member since 1976, died on March 19, 1995, at the age of 87. Prior to becoming a self-employed optics consultant, Foote spent almost 30 years with Bell & Howell Co. in Chicago. While there, he held such positions as optical development engineer and chief optical engineer; he also served in the technical sales department and the industrial film division.

Norbert Schmitz passed away on April 11 at the age of 71. He spent many years working for Kodak A.G. in Stuttgart, Germany, in such positions as engineer and manager of the motion-picture and education market department. An SMPTE member since 1969, Schmitz is a former chair of the International Membership Committee and was elected to Life Membership in 1989.