

New Products

Further information about these items can be obtained from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.



Panasonic NiteHawk™ video camera

The NiteHawk™ color video camera has been announced by Panasonic Industrial Co., One Panasonic Way, Secaucus, NJ 07094. The camera uses three 1/2-in. Newvicon tubes and can operate at a low light level of 20 lux at +18 dB of gain. The camera has a 57-dB SNR and 600 lines of horizontal resolution. A two-line vertical enhancer provides crisp images even after several tape generations. A feedback

beam control circuit reduces blur and comet tailing. The camera also contains a newly designed auto-centering circuit. The NiteHawk can be used for a number of applications including ENG. It weighs 12.8 lb.

The S-1 ENG 1-tube color video camera has been announced by Panasonic Industrial Co., One Panasonic Way, Secaucus, NJ 07094. The camera (WV-6000) uses a 2/3-in. Saticon for 420 lines of horizontal resolution and clear, crisp images. The S-1 can be used in low light conditions, requiring only 20 lux of illumination. Among other features, it has a 12X servo zoom lens with an S-mount. A built-in C-mount gives access to a variety of other lenses and may be used with telecine equipment and microscopes.

The BVP-30 and the BVP-3A Betacam™ cameras have been introduced to replace the BVP-3 by Sony Broadcast Products Co., Sony Dr., Park Ridge, NJ 07656. The 3-tube cameras offer major improvements, including a new high-resolution viewfinder and a channel-1 audio level



Sony BVP-3A camera

indicator and control in the viewfinder which enable the camera operator to readily adjust audio controls for smoother operation. An audio monitoring earpiece is mounted in the camera door.

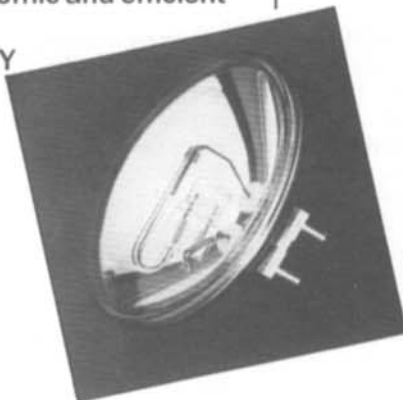
The SuperBeta system, combining a one-piece camera/recorder unit, editing capability, and stereo sound, has been announced by Sony Communications Products Co., Sony Dr., Park Ridge, NJ 07656. The system is designed around a new recording technique that shifts the video carrier signal frequency higher by 800 kHz, creating a wider luminance bandwidth. Components of the system are

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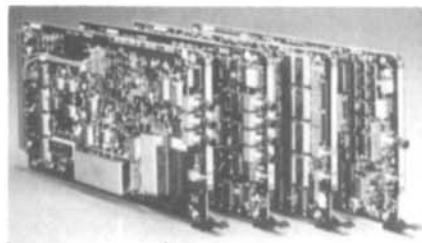


Sony SuperBeta system

the GCS-1 Betamovie color camera/recorder unit, the GCS-50 Betamax editing VCR, and an RM-E50 automatic editing control unit. The GCS-1 combines the performance of a CCD image sensor with 250,000 picture elements and the convenience of a built-in recorder. A digital LCD display incorporates a tape counter and battery indicator. Other features include a 6X power zoom lens with macro capability, 1-in. black-and-white electronic viewfinder, and a built-in electric microphone.

The Betamax VCR recorder/editor's framing servo and external sync systems allow precise editing. It has a programmed assembly edit function and capability for automatic insert editing of picture and sound from a camera or other sources for title and graphic insertion. The fully automated editing control unit offers automatic programmed assembly of up to 64 events. A jog/shuttle dial provides fast and accurate picture/sound search.

The EditDroid editing system, a nonlinear, fast-access electronic editing system, is a product of the Droid Works, an affiliate of Lucasfilm Ltd. and Convergence Corp., P.O. Box 2009, San Rafael, CA 94912. The EditDroid interfaces directly with 1, 3/4, and 1/2-in. tape formats as well as video-disc formats, without modifying standard off-the-shelf equipment. The system can be used to edit various kinds of programs, including theatrical features, industrial and documentary films, movies for television, TV specials, and commercials. Features include the electronic TrimBin which allows the editor to create as many different groups of clips as desired.



Sony BKH-2150 time-base corrector

A plug-in time-base corrector with **Dynamic Tracking®** has been announced by Sony Broadcast Products Co., Sony Dr., Park Ridge, NJ 07656. The BKH-2150 TBC is designed to plug into the new 1-in. VTRs and has four small circuit boards,

which operate with minimum power consumption. Equipped with a correction window of 15 horizontal lines peak-to-peak, the BKH-2150 performs dynamic tracking playback at -1 to +3X normal speed. In the search mode, a recognizable color picture can be seen at up to 8X normal speed, and a monochrome picture at up to 50X normal speed.

The BKH-2150's A/D converter samples at 4X the color subcarrier frequency with 9-bit resolution. Color inaccuracies in the chrominance signals are corrected through its built-in second-order velocity error compensation. Digital dropout compensation is a standard feature. Vertical blanking can be selected from line 10 through line 20. A chroma-off switch allows the user to switch instantly from color to monochrome pictures.



ADDA VW-3 time-base corrector

The VW-3, a third-generation time-base correction synchronizer has been announced by ADDA Corp., 130 Knowles Dr., Los Gatos, CA 95030. Designed for both heterodyne and direct color, it works with all VTR formats and can perform match-frame edits. The VW-3 is 1 3/4-in.

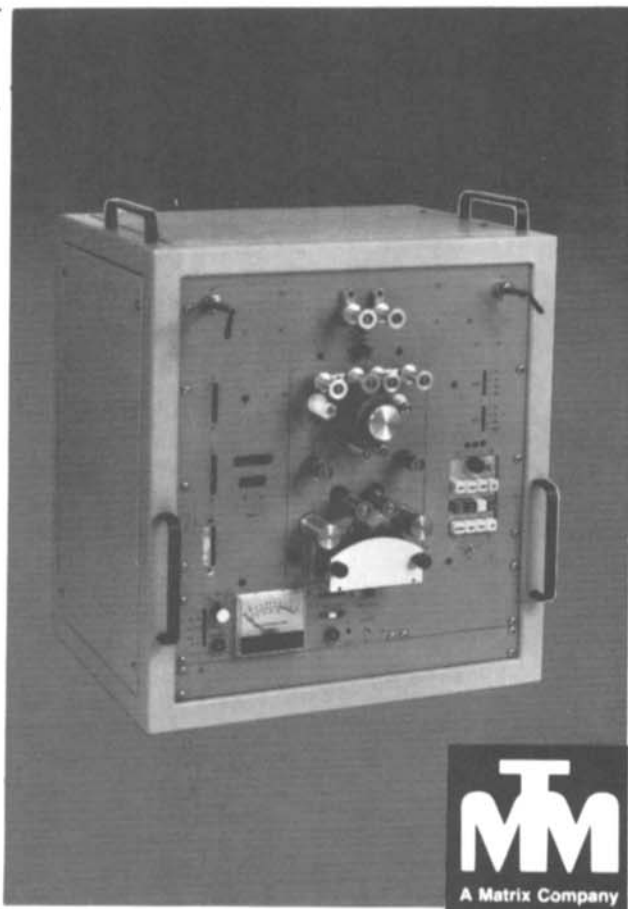
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high in its rack-mount configuration. Features include frame or field electronic freeze frame, direct or heterodyne color processing, and switch-selectable vertical blanking in any order between lines 15 through 20. Horizontal blanking is fixed at 10.8 μ sec. SNR is 58 dB.

A versatile color monitor, the CT-1400MG, has been announced by Panasonic Industrial Co., One Panasonic Way, Secaucus, NJ 07094. The diagonal 14-in. video/data monitor is designed for a wide range of applications, including use with computers. The tube has a fine dot pitch of 0.49 mm. Other features include a 2000-character display, built-in audio amplifier and speaker, and non-glare high-contrast screen. The monitor's BNC video input/output, phono pin-type and 8-pin VCR connectors can interface in most installations. RGB inputs route signals directly to the picture tube circuit.

For data applications, the monitor has text (RGB linear) input terminals that can be linked to DEC color computers or any product equipped with an RS-170 output. By switching the sync selector, the CT-1400MG can become a color graphics monitor or monochrome computer display. YS and YM inputs allow the monitor to become a teletext or videotex display. Three audio inputs are provided.



Panasonic TQ-2025F optical disc recorder/player

A black-and-white optical disc recorder/player has been announced by Panasonic Industrial Co., One Panasonic Way, Secaucus, NJ 07094. Designated the TQ-2025F, the device can access a specific frame in 0.5 sec or less. It has real-time recording and motion playback capabilities. On a single 8-in. optical disc, the TQ-2025F can record motion and play up to 16,000 still frames or 8.8 min of motion. Any monochrome video source, such as VCR, camera, or NTSC computer signal can be used as input.

The NH 19.99 video animation stand has been announced by Neilson-Hordell Ltd., Central Trading Estate, Staines, Middlesex, TW18 4UU, England. The NH 19.99 consists of a steel base and column with a fixed camera bracket. A shelf is attached to the column to hold the animation video recorder, a monitor, and ancillary items. The artwork stage is mounted on the base at table height, beneath the camera. This is normally an animation table-top and compound with gear-driven north/south

and east/west movements and manual rotation. Two gear-driven register peg bars are inset into the table top. Reverse animation is also possible.

The Model 210 multi-level effects system has been announced by Ross Video Ltd., P.O. Box 220, 9 Plaza Dr., Iroquois, Ont., Canada K0E 1K0. Features include 12 patterns with positioner, three separate auto-transition units, three color generators, extensive keying facilities, a downstream keyer with fade-to-black, next event previewing, and optional RGB keying and serial interface to computerized editing systems. Optional features include a complete built-in 12-event memory system and an analog key border generator with additional capability for drop shadow borders on self keys.

The DVE® System 10 digital effects system, has been announced by NEC America, Inc., 130 Martin Lane, Elk Grove Village, IL 60007. An advanced digital video effects system, it combines features of previous NEC systems with new effects and capabilities. Featuring a 16-bit microprocessor for improved transparent effects processing, the System 10 offers unlimited key frames for smooth transitions. An on-board combiner permits a single control panel to control two separate systems simultaneously.

System 10 provides pushbutton convenience for all real-time applications, as well as new features designed for off-line production. A small display screen permits numerical information concerning the size and position of an effect to be used to duplicate or modify an effect or series of effects. A new off-line storage system features a 3.5-in. micro-floppy disk drive. Special programmable function keys are available to access effects that are loaded from micro-floppy disks.

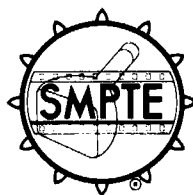


MCI/Quantel Floating Viewpoint control panel

The Video Effects Network, interlinking multi-channel Encore 2-D with Mirage 3-D effects, has been announced by MCI/Quantel, P.O. Box 50810, Palo Alto, CA 94303. The network makes it possible for each control room or edit suite in a facility to have its own dedicated effects channel, with everything integrated into a single digital video network. Encore is a dedicated digital effects picture manipulator that can float a perspective picture in 3-D space. Each Floating Viewpoint control panel can control all the Encore channels assigned to it, together with a Mirage equipped with Floating Viewpoint control and a Quantel digital combiner.

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The Society of Motion Picture and Television Engineers, located in Scarsdale, NY, has started a search for a manager to supervise its national and international standards programs. Salary based on experience. Requirements should include degree in engineering or science, and experience in engineering management, preferably in broadcast television. Forward resume and salary level to:



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ECHOLab SE/6 production switcher

The **SE/6 special effects switcher** has been announced by ECHOLab, Inc., 175 Bedford Rd., Burlington, MA 01803. Intended for medium-sized and nonbroadcast production studio applications, the SE/6 provides an extensive library of special effects. Any of 40 patterns can be created and positioned by either of the two independent joystick pattern controls. The generators can be set to any color with the keyboard or joystick. Digital specification of hue, luminance, and saturation allows precise color selection. Two built-in Z-80 microprocessors allow front panel programming for up to 5000 steps of storage. Teleproduction effects include five keys with a downstream keyer that handles full video from character generators. The unit interfaces to edit controllers. Chroma key is optional via either *RGB* or *NTSC* inputs.

The **real-time overhead gantry effects robot (ROGER)** has been announced by Elicon, 245 Viking Ave., Brea, CA 92621. The device, designed for use in the video/film industry for recording solid objects (3-D) as well as large-scale animatics, is composed of 5 basic axes of movement and is expandable to 63 axes. The system is housed in an overhead support cage, allowing the enclosed arm to articulate over a 4x3-ft area. It has a lifting capacity of 150 lb and a repeatable path of motion of better than 0.001 in. The operator can move the system manually to the desired position while the control system allows the movement to be repeated later.



Panasonic TV multi-channel sound modulator

A **TV multi-channel sound modulator**, the VP-7682P, has been announced by Panasonic, One Panasonic Way, Secaucus, NJ 07094. The system is designed to adjust and test television receivers for audio multiplex broadcasts, adapters, and tuners. It provides precision, one-touch operation, built-in tests and tones, and standard GPIB equipment.

The **IMS 400**, a large-frame, intelligent **audio routing switcher** for broadcast, studio, and add-on stereo applications, has been announced by Integrated Media Systems, Inc., 1552 Laurel St., San Car-

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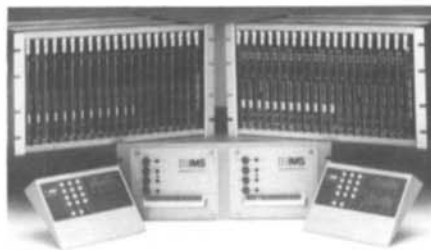
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Integrated Media IMS 400 audio routing switcher

los, CA 94070. The switcher can be used for routing tasks where the number of crosspoints needed ranges from 256 to 16,000. In addition to broadcast routing applications, the IMS 400 can be used as a large electronic patch bay, an expansion router for add-on stereo applications, and a multi-level router that can be slaved to other manufacturers' systems.

The Model 1200 stereo system has been announced by Lexicon Inc., 60 Turner St., Waltham, MA 02154. The system incorporates two Model 1200C audio time-compressor/expander machines that have been upgraded for stereo compatibility with a mono-compatible stereo matrix. A factory retrofit for owners of Models 1200B and 1200C audio time-compressor/expanders is available to enable these mono units to be upgraded and incorporated into the Model 1200 stereo system. The 1200C can make changes to the running times of film, video, or audio recordings while maintaining the original, natural pitch of voice, music, or effects.

Lexicon also announced a serial option which makes the stereo and mono versions of Model 1300 digital audio delay synchronizer compatible with the Tektronix 110-S 4-field frame synchronizer.



Kintek KT-903 stereo converter

The KT-903 stereo converter, a 3-part automated electronic system providing continuous conversion of mono to stereo, has been announced by Kintek Inc., 224 Calvary St., Waltham, MA 02154. The converter is intended for use by the TV broadcaster who wants full-time stereo before rebuilding the entire plant for stereo. A high-density phase and amplitude synthesizer introduces stereo cues to the mono track while retaining mono track integrity. A mono-stereo sense switch bypasses the KT-903 when stereo is present on the input.



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