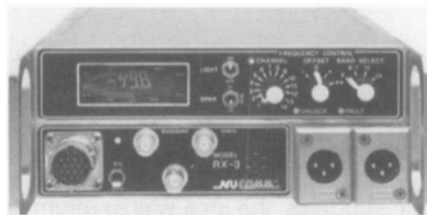


# New Products

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

A line of all-digital nonlinear electronic editing systems has been announced by Montage Group Ltd., 1 W. 85th St., Suite 3D, New York, NY 10024. The Montage III system is available in three different models, depending on hardware configuration, on-line media storage capabilities, ancillary equipment, and accessories. Each unit — the Personal, Industrial, or Professional model — employs Intel 80486DX CPUs, and features one to seven 1.2-Gbyte hard disks or 1-Gbyte removable optical drives for up to 8 hr of on-line storage. They are supplied with high-resolution VGA user-interface screen, analog video monitor, and two speakers, and come standard with 16-Mbyte RAM. The product provides instantaneous playback across cuts — picture and sound — with precise control of speeds of playback, at variable speeds of 1 to 600 frames/sec. Features include an electronic logbook, which allows editors to organize and group material in hierarchical categories. The software tools are particularly suited for the increasingly computerized production and post-production environment, where script, picture, sound, effects, and music elements are continually linked, revised, cross referenced, and edited in complex film, video, and multimedia applications.



Mitsubishi BVE-2000 VCR

A professional VCR has been unveiled by Mitsubishi Electronics of America, 800 Cottontail Lane, Somerset, NJ 08873-6759. The BVE-2000 exploits all of the performance capability of the S-VHS format, offers a broad range of professional features, and is extremely rugged. It can be designed into larger audio/video systems, where it can be directed by a host computer or controller. It utilizes advanced signal processing technology to enhance video performance. Two comb filters and vertical and color aperture improvement circuits ensure accurate color

reproduction with crisp, high resolution. An automatic digital tracking capability and twin servo system maintain solid picture stability. A chroma phase adjustment control and analog meter allow the user to adjust the phase of the chrominance signal to optimize picture performance. A mode switch provides selection of color or black and white, and color and tint characteristics can be modified continuously with front panel controls. A "shot recording" feature allows three to four frames of video to be captured on tape at the touch of a button.

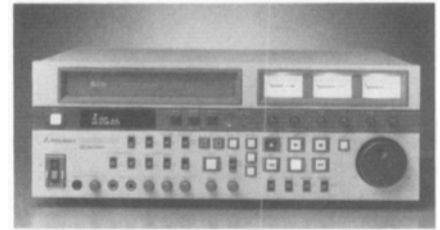


Panasonic AG-7355 S-VHS hi-fi VCR

An S-VHS hi-fi VCR with a built-in frame store for image analysis has been introduced by Panasonic Communications & Systems Co., 2 Panasonic Way, Secaucus, NJ 07094. The AG-7355 features S-VHS picture quality, a 34-pin parallel (or optional RS-232C serial) interface port, digital filter circuitry for exceptional Y/C separation, an advanced tape transport system, 4-channel audio (2 hi-fi channels and 2 linear channels), and jog/shuttle capability. Ideal for applications requiring high-detail image analysis, the VCR offers laminated amorphous video heads, chroma aperture compensation, an advanced comb filter, 11-bit digital servo to minimize jitter, and an Intelligent Quest (IQ) mechanism. The IQ unit uses brushless DD motors to provide stable tape transport and a tapered twin projection cylinder improves tape-to-head contact over prior models.

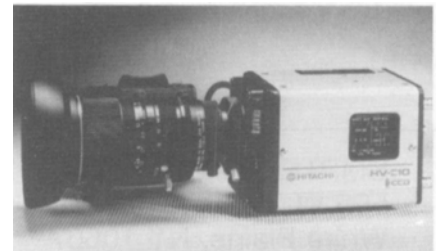
A video library cassette system has been launched by Sony Corp. of America, Sony Dr., Park Ridge, NJ 07656. The VLCS-800 is designed to store, retrieve, and playback video programs for many diverse applications. It is comprised of three parts: a multicassette playback console, a control system, and user terminals. The system provides automated tape selection and playback simultaneously for up to 32 users and offers computerized cassette library management capabilities. The product incorporates the video Hi8 format, which differs from the standard 8-mm format in that the luminance FM carrier frequency has been shifted from 5.4 MHz to 7.7 MHz

and its deviation has been widened from 1.2 MHz to 2.0 MHz. These signal improvements provide more than 400 television lines of resolution with an SNR of better than 45 dB.



Nucomm, Inc., portable microwave receiver

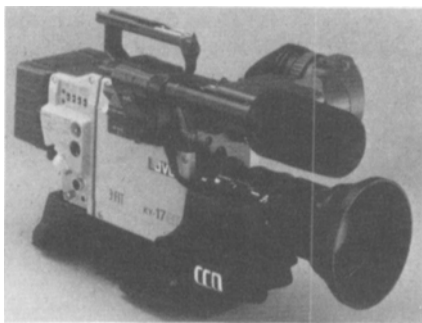
RX3 Series portable ENG microwave receiver covers the frequency ranges of 2.0, 2.5, 6 to 7, and 12 to 13 GHz in a single unit. Manufactured by Nucomm, Inc., 101 Bilby Rd., Bldg. 2, Hackettstown, NJ 07840, the unit features dual superheterodyne conversion, synthesizer control, and dual filter selectivity for high adjacent-channel rejection. It is housed in a small, rugged, weatherproof, cast-aluminum housing. The standard receiver is equipped with one video plus two high-quality field-programmable audio subcarriers, a universal AC/DC power supply, a strength meter that reads in both analog and digital formats simultaneously, and an audio beeper that allows the operator to peak the receiver signal without looking at the meter. Available options include a remote control module and a selection of portable rod and dish antennas with quick-disconnect mounts.



Hitachi HV-C10 camera

A new three-CCD camera utilizing 1/2-in. microlens technology was introduced by Hitachi Denshi America, Ltd., 150 Crossways Park Dr., Woodbury, NY 11797. The product makes use of IT CCDs with 360,000 pixels that deliver high-resolution and high SNR. Micro Lens Array technology, which increases the light-gathering capabilities of each chip, accounts for the camera's high sensitivity. The size of the camera head, which is 3.9 x 4.1 x 6.1 in., is substantially reduced through the use of custom ICs and high-density mounting technology. An optional RS-232C level converter allows the user to remote control the camera from a personal computer and microprocessor-controlled real-time autowhite ensures sharp, clean video by automatically correcting the white balance when color temperatures change.





JVC KY-17U video camera with three FIT CCDs

Enhancements have been made to the KY-17U video camera, it was announced by JVC Professional Products Co., 41 Slater Dr., Elmwood Park, NJ 07407. The product utilizes three frame interline transfer (FIT) CCDs for increased resolution and minimum vertical smear; a proprietary prism configuration and color matrix circuit eliminate smear and improve color reproduction. CCD sampling noise has been reduced with a sophisticated correlated double sample (CDS) circuit, which results in horizontal resolution of 700 lines, an SNR of 60 dB, and improved overall performance under all conditions. The camera docks with the company's BR-S411U and BR-S420CU S-VHS portable recorders, and has composite, separate

Y-C outputs, and a connector that is switchable between Y/C-358, component, and RGB. Camera setup is microprocessor controlled, including black-and-white balance, and there are two nonvolatile white-balance memories along with preset color temperature of 3200° K.

An enhanced version of the S15×8.5 ENG/EFP lens for 2/3-in. CCD TV cameras is available from Nikon Inc., 1300 Walt Whitman Rd., Melville, NY 11747-3064. The S15×8.5 II is the first in the industry to offer a lens-resident zoom-speed adjustment switch. Additional features include separate servo and extender sections for easy maintenance, an ergonomically designed grip for comfortable shooting, and a sealed printer circuit board for greater reliability in tough weather conditions.

A software package for its switcher family has been announced by Abekas Video Systems, Inc., 101 Galveston Dr., Redwood City, CA 94063. The product allows users to edit between the switcher cache recorders and a VTR. The cache recorder option records up to 200 sec of D-2 video and key. The cache recorders can also be partitioned into four independently controlled 50-sec systems. The Linc Edit feature allows the switcher to take control of the cache recorders in the edit bay and

replicate a very large A62, the Abekas layering DDR. With Linc List, edits generated on the A82 can be saved to RAM or the floppy disk rather than tape, along with switcher and DVE effects. Linc Editing Cache, a unique concept of automatic download from VTR to cache recorder following a conformed Linc List, eliminates the need to record elements onto the cache recorders from the VTR.

VASTools4MAC, a new software package for recording Macintosh-generated computer graphics onto videotape or video-disc, is available from Lyon Lamb Video Animation Systems, Inc., 4531 Empire Ave., Burbank, CA 91505. The product is a multimedia application program that controls the company's MicroVAS, Mini-VAS-2, and ProVAS field-accurate video animation controllers. It is a versatile scene editor, image file compositor, and animation production control system. PICT, PICS, TGA, and RIB file format images can be composited in any sequence, assembled in the desired order, and automatically laid to tape. Sequences can be generated from a broad range of 2-D and 3-D paint, draw, and graphics packages. The software program transmits a command sequence to the animation controller via the RS-232 serial port. Upon receipt of the command sequence, the animation controller creates frame-by-frame recording on the VTR.

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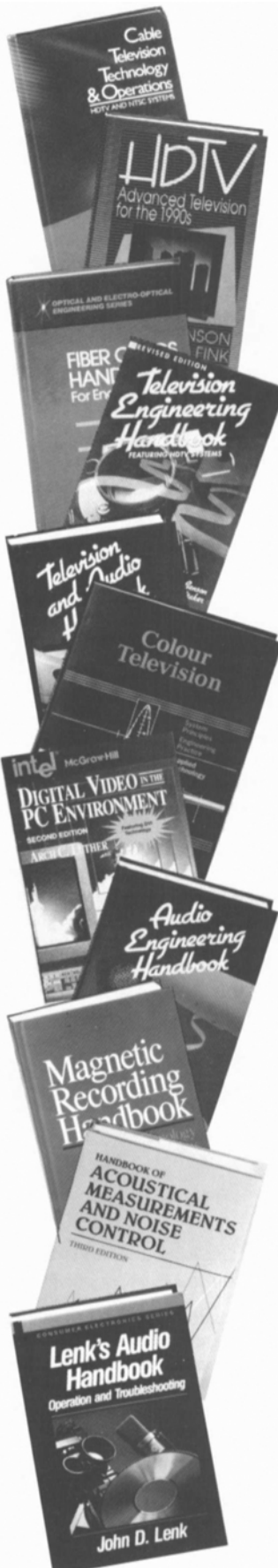
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65 - 16 Brook Ave, Deer Park, N.Y. 11729 USA  
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A new fiber optic connector assembly for CATV and broadcast applications is available from AT&T Network Cable Systems Marketing, 111 Madison Ave., Morristown, NJ 07692. The HST hermaphroditic connector assembly can accommodate cables with outside diameters from 2.5 to 4.0 mm, and is especially well suited for installations requiring multiple connections. The single mode assembly with protruding fiber polish ensures fiber-to-fiber physical contact for low loss and reflectance. The multimode assembly assures fiber-to-fiber contact through its flat polish. The product does not require additional coupling. Its precision alignment mechanism serves to key, making the assembly easy to connect.

Easy Reader™, a low-cost, compact, lightweight, portable LTC reader, has been jointly released by Imagine Products, Inc., 581 S. Rangeline Rd., Suite B-3, Carmel, IN 46032-2149, and Telcom Research, A7-3375 N. Service Rd., Burlington L7N 3G2, Ont., Canada. The product features RS-232 serial port (DB9 with 2.5-ft cable), RCA connections, and 9-V battery operation (25-30 hr), and it runs at 1/10 to 2.2 times play speed. The unit is compatible with any SMPTE/EBU LTC time code source (24, 25, 30, and drop-frame). The case, which is 4×2.5×75-in., fits easily into the user's pocket and weighs only 6 oz.

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