

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.

Two color television sets designed to receive bilingual broadcasts have been announced by Zenith Electronics Corp., 1000 Milwaukee Ave., Glenview, IL 60025. The dual-audio sets (Models A1924 and A1314, 19 and 13-in., respectively) have quartz-controlled electronic keyboard tuning systems. The flick of a switch changes the audio from one language to another.

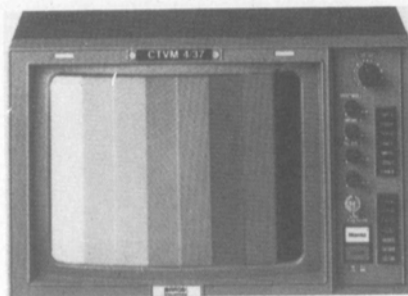


Panasonic video camera, WV-3050

A portable color video camera designed for low-light applications, has been announced by Panasonic, One Panasonic Way, Secaucus, NJ 07094. Designated the WV-3050, the camera has auto focus and a power zoom $f/1.2$ lens that needs only 0.7 fc to generate an image. The lens has a macro capacity and comes equipped with a 49mm filter and automatic iris control. The viewfinder is a 1-in. black-and-white CRT with record review capability. The scanning system is NTSC composite. The pickup tube is a $\frac{1}{2}$ -in. 4.3-MHz Mg-St Newvicon. Horizontal resolution is 300 lines at the center.

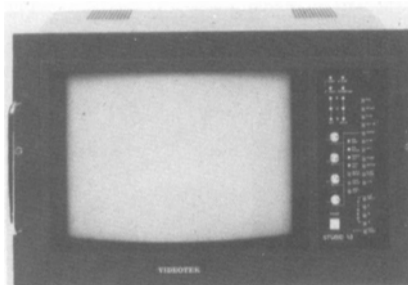
A video color camera, the XC-80011, has been announced by Sharp Electronics Corp., P.O. Box 588, Paramus, NJ 07652. The camera is compatible with Sharp's XC-803TX Triax system, which consists of a base station and compact head adapter and is linked to the broadcast camera by an ultra-thin triaxial cable, permitting remote-control camera operation up to 1 mile from the base station. The camera's resolution is 600 lines horizontal, and the SNR is 57 dB.

A new Barco CTVM master control monitor has been announced by Elector USA,



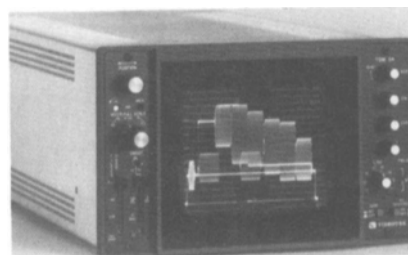
Elector USA Barco monitor

Inc., 5128 Calle del Sol, Santa Clara, CA 95050. The monitor has automatic kinescope biasing, which provides broadcasters with the picture stability necessary to make critical judgments of overall picture quality by stabilizing CRT color temperature and black level.



Videotek Studio-13 color monitor

Studio-13, a broadcast color monitor, has been announced by Videotek Inc., 125 North York St., Pottstown, PA 19464-9990. Features include a 13-in. CRT with 380 lines of horizontal resolution, three looping NTSC inputs, high voltage regulation for raster stability at varying APL levels, A/B split screen, switchable comb filter, and switchable notch filter. Studio-13 occupies 10.5 in. of vertical rack space.



Videotek TSM-5A waveform monitor

Videotek also announced the addition of a line-select feature to the TSM-5A waveform monitor. Operators can now select the display to show individual lines of video from Lines 14 through 21, Field 1 or Field 2. This feature permits observation of VITS, VIR, and closed-captioning signals and verification of their placement.



JVC TM-2084U monitor

A 19-in. color monitor, the TM-2084U, has been announced by JVC Co. of America, 41 Slater Dr., Elmwood Park, NJ 07407. Features include an aperture control to increase sharpness and a comb filter that adds definition by processing luminance and chrominance signals separately. Horizontal resolution measures 350 lines. The monitor has a single audio channel, and its controls are located on the front panel. The A input has BNC video connectors and RCA audio connectors. The B input is an 8-pin connector for easy hookup to a VCR. There is a loop-through connector for BNC/RCA hookup.

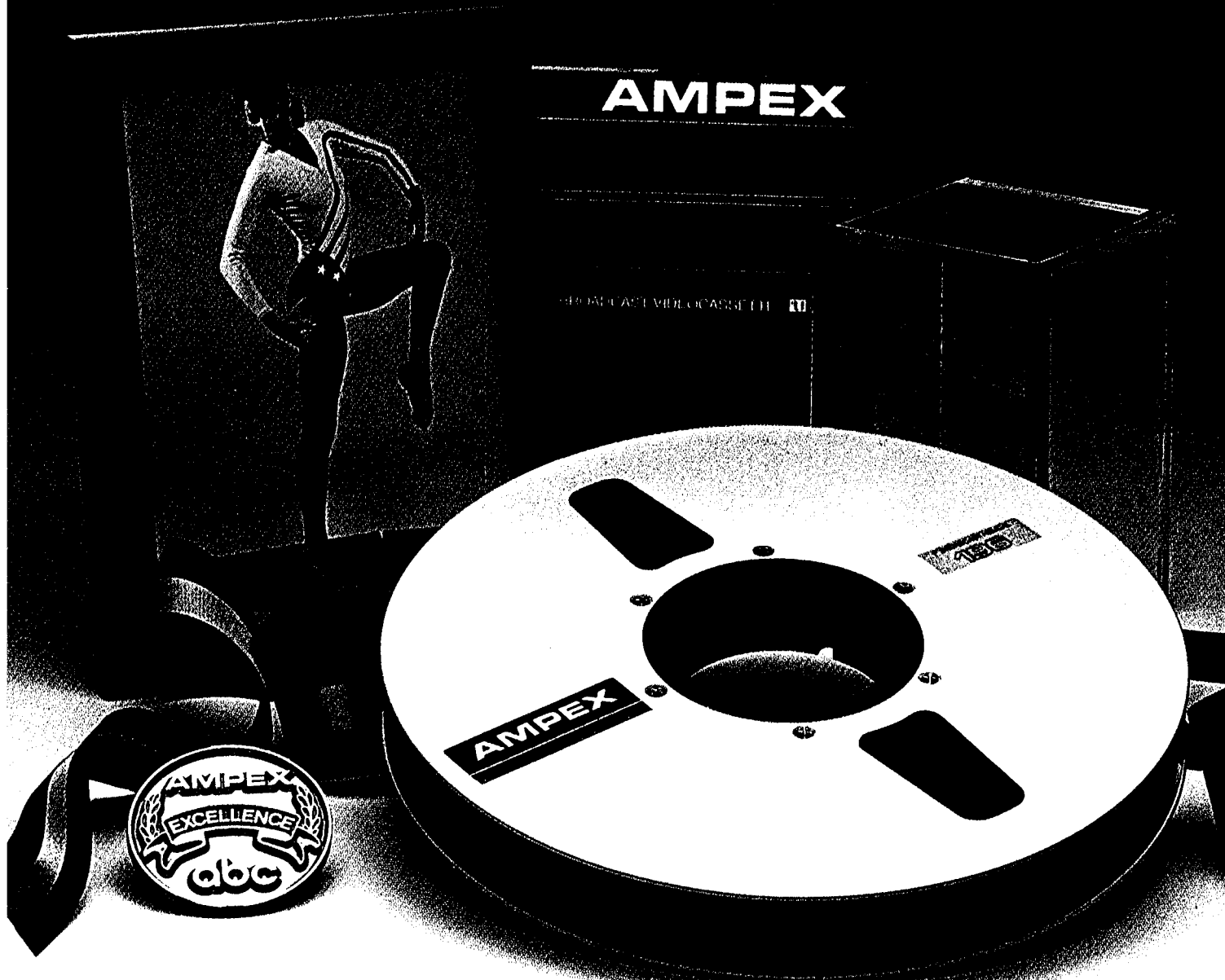


JVC CR-4900U videocassette recorder

The CR-4900U portable $\frac{3}{4}$ -in. videocassette recorder has been announced by JVC Co. of America, 41 Slater Dr., Elmwood Park, NJ 07407. The VCR has SMPTE time-code capability and microprocessor-based controls. Other features include SNR of more than 46 dB and horizontal resolution of 260 lines. Designed especially for ENG and EFP applications, the camera weighs under 20 lb.

Ampex 187, a new $\frac{3}{4}$ -in. videocassette, has been announced by Ampex Magnetic Tape Div., 401 Broadway, Redwood City, CA 94063. The tape features a high-coercivity oxide formulation, rugged plastic shell, and trouble-free cassette mechanism. A tough binder system provides durability that can withstand heavy editing and shuttling. The 187 is compatible with all makes of $\frac{3}{4}$ -in. recorders.

Ampex Video Tape Scores a Perfect Ten



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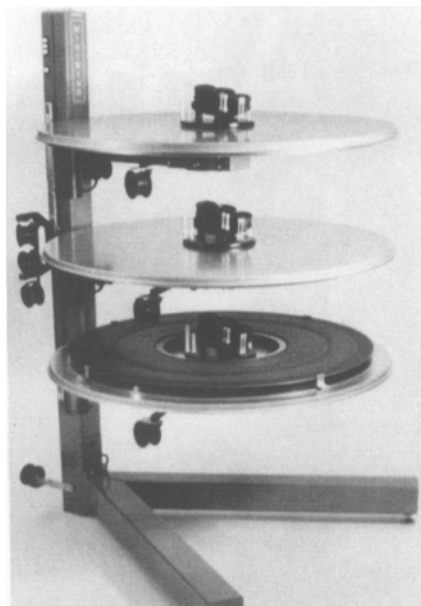
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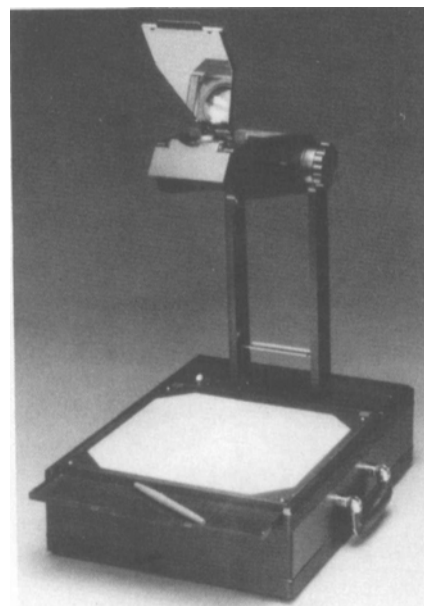
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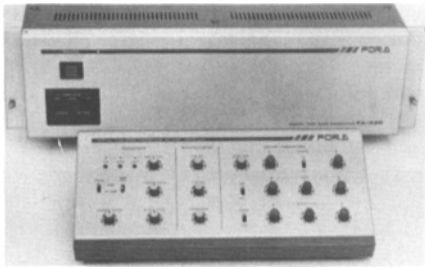
Christie Electric Miniwind

The Christie Miniwind, Model MW3, a compact autowind for small projection booths, has been announced by Christie Electric Corp., 20665 Manhattan Pl., Torrance, CA 90501. Designed to save booth space, the Miniwind holds 2½ hours (13,500 ft) of 35mm film on a 42-in. platter, using one projector. Features include electric braking and a solid-state light source that eliminates the need for electrical wiping contacts.



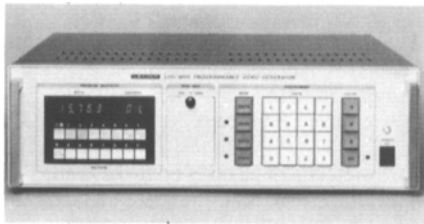
Dukane PRO-600 overhead projector

An overhead projector, the PRO-600, has been announced by Dukane Corp., Audio-Visual Div., 2900 Dukane Dr., St. Charles, IL 60174. The lightweight, 1-piece projector folds into its base, providing an attache-style case with carrying handle. Features include a variable brightness control to allow smooth image transitions. A combination convection/fan system provides cool, quiet operation.



FOR-A digital time-base corrector

The FA-430 digital time-base corrector with a digital image processor has been announced by FOR-A Corp. of America, 49 Lexington St., West Newton, MA 02165. The device provides processing for 3/4 and 1/2-in. VTRs. In addition to time-base correction, the 430 provides image enhancement, digital color correction, and noise reduction. The system consists of the basic 19-in. rackmount main control unit and a remote controller for all correction functions. Color correction allows RGB correction to compensate for poorly aligned camera black-and-white levels and for camera-to-camera differences in shooting the same scene. A black stretch circuit that provides improved contrast in low-light-level scenes is included.

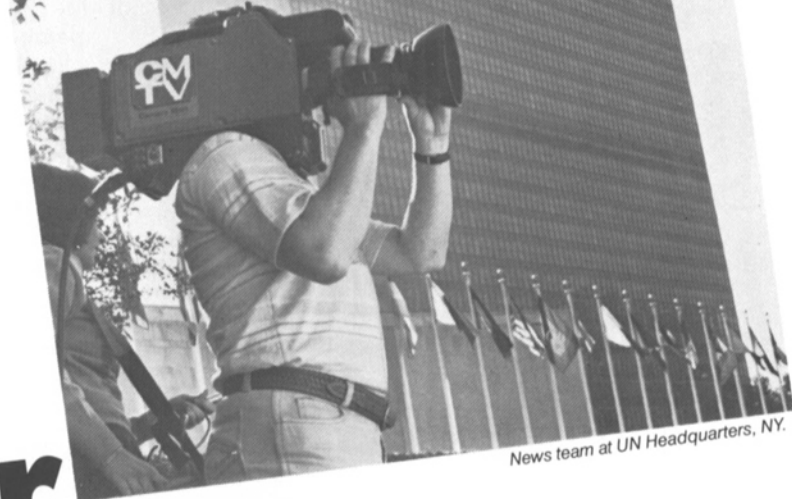


LVG-1600 programmable video generator

The LVG-1600 programmable video generator, designed to test virtually any monochrome or color display system, has been announced by Leader Instruments Corp., 380 Oser Ave., Hauppauge, NY 11788. The LVG-1600 generates RGB and sync signals and composite video signals for testing monochrome and color CRT displays. Nine standard patterns, stored in an EPROM, allow testing of color purity, bandwidth, focus, resolution, linearity, brightness, and convergence. The EPROM is removable so that user-created patterns (up to 55) can be used. In addition to the programmed patterns, test conditions can be created via the front panel. Programmable features include clock frequencies between 5 and 40 MHz, character size up to 16x16, number of rasters, color, sync frequency, pulse width, and position.

The model 491 video frame store has been announced by Colorado Video, Inc., Box 928, Boulder, CO 80306. Up to four synchronized video memories are available in a single chassis, allowing image comparison, overlays, subtraction, and RGB color synthesis. Direct recording of NTSC color

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or EFP.



Photo: Richard Howard

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video signals is optional. A digital I/O option allows individual picture elements in the stored image to be accessed by a computer, processed, and returned to the 491 memory.



Hewlett-Packard HP 8656B signal generator

The HP 8656B programmable signal generator, announced by Hewlett-Packard Co., 1820 Embarcadero Rd., Palo Alto, CA 94304, provides frequency coverage of 100 kHz to 990 MHz. Features include an output range of +13 to -127 dBm, with 0.1-dB resolution, flexible AM and FM, 50-W reverse-power protection, and standard HB-IB programmability. New capabilities include faster throughput, single-sideband-radio testing, low-rate digital tone testing, voltage-controlled oscillator simulation, and phase-sensitive device characterization.

The Model 2501 television test pattern generator has been announced by Visual Information Institute Inc., P.O. Box 33, 719 Lower Bellbrook Rd., Xenia, OH 45385-0033. Horizontal sync and timing parameters can be entered by keypad. The operator can build a rate, each parameter at a time, or choose standard proportion which will be computed automatically. Rates may be stored, recalled for use, edited, or deleted, all by keypad entries. Non-volatile storage is provided for up to 69 separate raster structures. Parameters and timing are indicated on a 16-segment alphanumeric display.

The CCS-4300 color corrector has been announced by FOR-A Corp. of America, 49 Lexington St., West Newton, MA 02165. The system consists of a 19-in. rack-mount processing unit, and a remote-control unit. Color correction includes independent *R*, *G*, and *B* controls for white and black levels, and *R* and *B* controls for gamma. Differential and balance modes are also provided for color correction. Vertical blanking is set in 1H steps within a range of 10 to 21H. Bypass, operate, and off modes provide the same delay between input and output; therefore switching between the units or PC board replacement can be performed without additional adjustments.

An RGB color accessory for the D-8800 character generator has been announced by the 3M Broadcast and Related Products Div., 3M Center, P.O. Box 33600,

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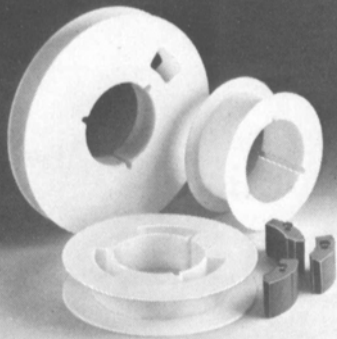
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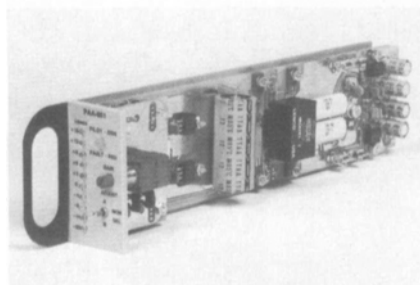
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St. Paul, MN 55144. This color palette unit gives the generator expanded color capability, enabling the standard 8-color system to produce hundreds of colors, shades, and hues on titles, graphics, and backgrounds. The palette connects to the D-8800 via a parallel data interface and operates under the control of the existing character generator keyboard. It offers selectable palettes for character color and background/edge.



Lenco PAA-651 audio distribution amplifier

The 600 series of audio distribution equipment has been announced by Lenco, Inc., 300 N. Maryland St., Jackson, MO 63755. The PAA-651 module is a 1X6 audio distribution amplifier with level metering. The front panel LEDs monitor levels between -25 and +15 dBm. An A/B center off switch places the audio on either the A or B bus on the frame mother board. A series of rear panel assemblies adapt to the appropriate audio or video module.

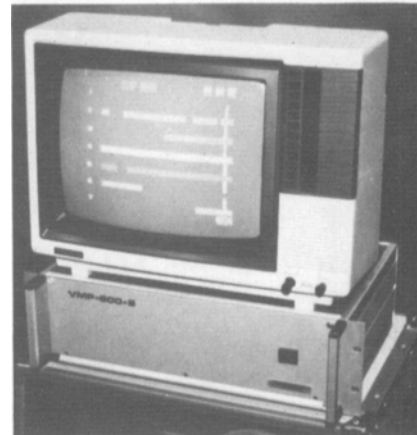


Aaton WLD-6 time-code generator

The Aaton WLD-6 time-code generator, distributed by Zellan Enterprises, Ltd., 250 W. 57th St., New York, NY 10019, fits onto the Sony Professional Walkman, supplying an SMPTE time code on the right audio track and mono recording on the left. When recorded, the on-location cassette can be transferred to either 16 or 35mm magnetic fullcoat with an SMPTE control and data track, or to multi-track audio tape.

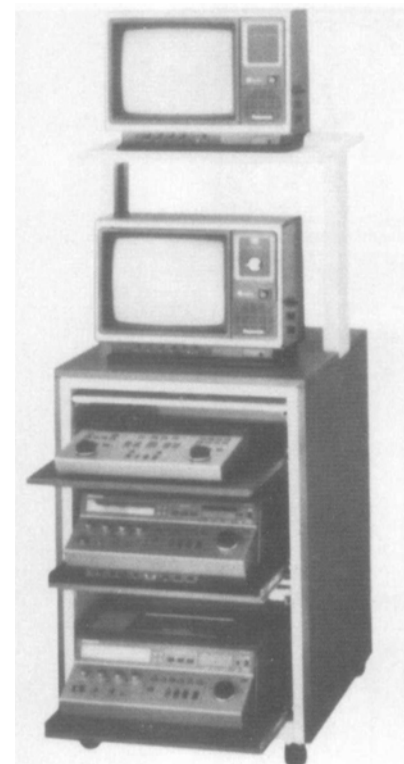
A wideband theater sound system called The System has been announced by American Theatre Products, Inc., 6650 Lexington Ave., Hollywood, CA 90038. A packaged system, it is designed to play back monaural optical sound tracks. It delivers up to 750 W RMS to the matched speaker system. The System is available in four packages, each matched to a specific room application/size, and incorporates a speaker system based on The Shape, a

ported tuned-box cabinet and a 90° constant directivity horn high-frequency unit.



Forox multi-track audio display system

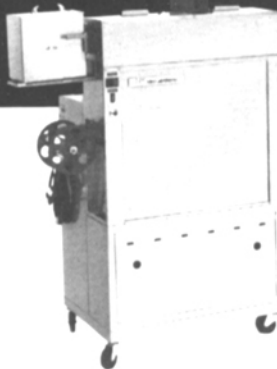
A multi-track audio display system, called the VMP 800 S, has been announced by Forox Corp., 393 West Ave., Stamford, CT 06902. Sound tracks are displayed as different colored bars on a monitor, making it possible to see, 7 sec ahead, when the tracks will be audible. The machine reads the SMPTE code and allows simultaneous readjustments of all tracks. A jog function allows for a precise and accurate measurement or timing of sound or space.



Winsted Model R3802 editing console

The Model R3802 editing console has been announced by The Winsted Corp., 9801 James Circle, Minneapolis, MN 55431. The console can accommodate ½-in. or front-loading ¾-in. editing equipment. Features include two shelves with 13-in.

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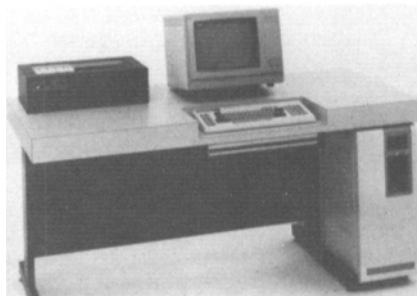
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extension for VCRs or storage. The monitor bridge tilts up to 5° and adjusts to three different heights.



Wilmac studio crane

The Wilmac studio crane has been announced by Wilmac Co., Pine Lodge, Gannock Park, Deganwy, Gwynedd LL31 9PZ, Wales. The crane's maximum lens height is 19 ft. It can fold down to a 6.6-ft cube. Weighing less than 440 lb, the crane has a finely balanced jib arm and 4-wheel steering. A remote camera extension is available to extend the height to 30 ft. The crane can swing through 180° horizontal and can be fitted with an optional electric drive.



Dicomed D38C design system

A computer graphics design system, called the D38C, has been announced by Dicomed Corp., P.O. Box 246, Minneapolis, MN 55440-0246. Designed especially for in-house production, it combines a design work station with a self-contained camera recording unit. In addition to a 35mm recording camera with 2000/4000-line resolution, the system includes a new monitor, keyboard, and CPU configuration with two disk drives. It offers a full range of color graphics creation capabilities with in-house slide production.

Two Ku band low-noise block down converters, designed to provide satellite reception on smaller antenna sizes for the expanding Ku band market, have been announced by Panasonic Industrial Co., One Panasonic Way, Secaucus, NJ 07094. Model LNB-25P uses a CR-62 antenna interface, while model LNB-25PW uses WR-75 as its interface. The converters operate in the FSS portion of the Ku band, 11.7 to 12.2 GHz. The typical ultra-low noise specification of 2.3 dB provides superior satellite video reception.

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