

New Products

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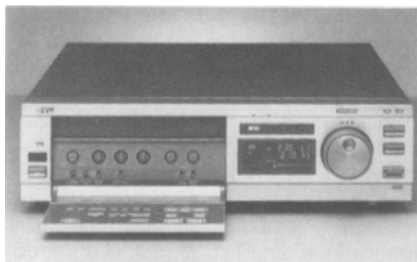
Tektronix, Inc., TSG-200 NTSC generator

Several products have been unveiled by Tektronix, Inc., P.O. Box 500, Mail Station 58-699, Beaverton, OR 97077. The **V-210 NTSC video synchronizer** provides transparent operation and outstanding noise handling characteristics. The product's four-field memory synchronizes incoming signals without decoding or its associated artifacts. Ten-bit A/D and D/A converters and an $8 \times$ subcarrier frequency sampling rate contribute to the product's transparency. The unit offers unique VITS handling capabilities. Lines 10 through 24 in the vertical interval can be passed, decoded, or deleted on a line-by-line and odd/even field basis. An adaptive clamp slows as noise increases to prevent horizontal streaking, while still responding to hot switches. As the incoming video's SNR decreases beyond a preset threshold, the product inserts digitally generated sync and burst.

Option 21 camera measurements package automates the tedious task of camera evaluation and comparison prior to making a purchase decision. It also simplifies routing camera performance measurements and operational adjustments. When combined with the Tek VM700A video measurement set's ability to compare measurements against a stored reference, Option 21 facilitates camera matching. The package includes the following key tests for both tube and CCD cameras: CCD defect analysis, colorimetry, gamma/detail, fixed-pattern noise, frequency response/aliasing, shading, vertical smear, and geometry/registration.

The **TSG-200 NTSC generator** is a compact, low-cost test signal sync generator that provides a test signal complement of six NTSC signals routinely used in both production and maintenance applications: SMPTE bars, convergence, NTC7 composite, multiburst, five-step staircase, and safe area. In addition, the product can be

configured to provide four or five full-time black burst outputs for synchronizing small production systems.



JVC Professional Products Co. BR-S378U VCR

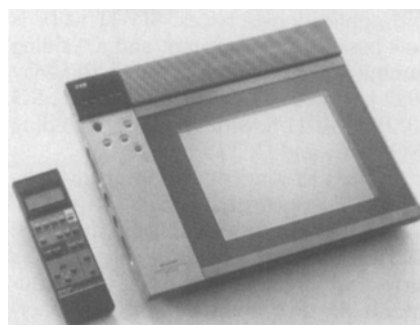
The **BR-S378U, a versatile S-VHS VCR**, was introduced by JVC Professional Products Co., 41 Slater Dr., Elmwood Park, NJ 07407. The product combines enhanced video and audio performance, superior special-effects playback, and a broad array of professional features. It has several circuits that increase its video performance to extremely high levels. A proprietary system, called Hadamard Video Noise Reduction, divides signal components into multiple bands and then eliminates noise in the bands where it is most noticeable. The system is especially effective on pictures with gradual brightness changes such as the grainy noise on the cheek of a human face. Other circuits include a digital comb filter that uses 14.32-MHz sampling and 8-bit quantization for extremely precise Y/C signal separation, a digital chroma enhancer for a sharper chroma edge, and a detail enhancer that applies optimum emphasis according to signal frequencies and levels. Dynamic limiting, bidirectional aperture control, video-switching noise compensation, color stabilization, and color response improvement circuits are provided as well.

Enhancements have been added to the DP/MAX video workstation, it was announced by Dynatech Colorgraphics, 6400 Enterprise Lake, Madison, WI 53719. Real-time compositing, editing, layering, and audio capabilities are available. In addition, the product now has the ability to play audio scratch tracks, which will make scripting, animation, music videos, and other projects faster, easier, and more precise. A workbench software package enables the operator to enlarge, shrink, or warp sections of an image using a video paintbrush.

Software improvements were announced by Digital F/X, Inc., 755 Ravendale Dr., Mountain View, CA 94043. Version 2.1 of the Video F/X™ and Soft F/X™ desktop

video production system adds video data base integration capability, increased software compatibility, improved productivity, and extended deck support. The product supports the import and export of source logs in ASCII format. With this function, users can now write custom interfaces to popular data base management systems. This video data base integration capability enables users to write scripts that permit them to catalog, sort, and manage libraries of video clips. Its applications include games films for sports events, video yearbooks, video real estate listings, ad agency focus group tapes, or any application where video source material needs to be categorized and then assembled based on a set of criteria.

A **redesigned flagship product** has been announced by Ultimatte Corp., 20554 Plummer St., Chatsworth, PA 91311. The Ultimatte 45 replaces the company's 4 and 5 systems, while incorporating many of the features of the high-end System-6 in a more affordable package. The 45 system is equally suited for production and post-production use. The inputs and outputs are easily switched between RGB and Y, P_B, P_R and can be configured for either Betacam or MII components. The product offers a new set of controls for compensating for variations in the brightness of the backing, and matte shading requires no additional input and is intuitive in its use.



Sharp LCD computer/video projection panel

A **multimedia projection panel** that features 185,000 true colors and full-motion capability was introduced by Sharp Electronics Corp., Sharp Plaza, Mahwah, NJ 07430-2135. Compatible with virtually all popular PCs and graphic cards, the QA-1050 thin film transfer (TFT) computer/video projection panel utilizes a full 640 x 480-dot 10.4-in. TFT color LCD with an active matrix system. A display time of 30 frames/sec makes both video images and computer displays equally impressive. A 19-key infrared wireless remote control unit is included with the product for user convenience. Remote control functions include image clear, image enlarge, frequency/phase/horizontal/vertical adjust, 512 or 185,000 color display select, 720/640 pixel compression, image shift cursors, reset, and PC control.

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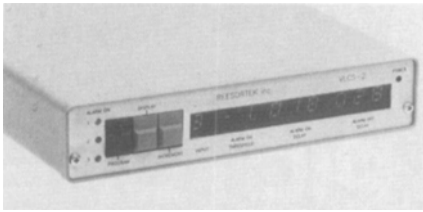
A book cover for 'NEW HORIZONS' featuring a dramatic sky with clouds and a bright sun. The text on the cover reads 'NEW HORIZONS' in large letters, with 'CREATIVE PRODUCTION & GLOBAL DISTRIBUTION' in smaller letters below it.

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Reesortek Inc. VLCS-2

The VLCS-2, a video-sync level controlled switch that monitors up to three video feeds to provide contact closures should the video fail, has been launched by Reesortek Inc., 220 Midland Ave., Unit 98, Scarborough, Ont. M1P 3E6, Canada. The contact closures can be used to turn on an alarm or suppress rebroadcast (with an appropriate interface.) The video is monitored by measuring the sync level, which means the product doesn't confuse noise for a video signal. The unit features front panel programming of threshold levels and alarm-on and alarm-off delays. A nonvolatile EPROM memory is used in conjunction with microprocessor control to assure that programming remains intact during power failures. Pluggable terminal strips are used to provide a flexible interface between the relay contacts and the rest of the operator's system. The product is 1.73 x 7.3 x 10.75 in. deep and fits on a desktop, shelf, or workbench.

The DPS-230 component transcoding TBC was launched by Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ont. M1S 3L1, Canada. The product is suited to the desktop video market as well as the broadcast television and video production markets. Features include infinite window memory, NTSC and S-Video inputs and outputs, full 5.5-MHz bandwidth in S-Video mode, freeze frame and field (field selectable 1-3), variable strobe, digital proc. amp controls with nonvolatile memories, digital color balance controls, Y/C delay adjustment, horizontal position control, advance sync output, and RS-232 remote control. The unit is genlockable.

A line of energy-saving electronic ballasts for use with the T8 and T5 twin fluorescent lamps was announced by Osram Corp., P.O. Box 8116, Trenton, NJ 08650. Quicktronic™ ballasts are offered in 2, 3, and 4-lamp models that will operate 2, 3, 4, and 5-ft lamps as well as 40-W T5 Dulux L fluorescent lamps. Designed to operate at voltages of 120 and 277, the ballasts are interchangeable with most standard core and coil ballasts. The line provides maximum energy efficiency with up to 40% energy savings over 40-W lamps with magnetic ballasts, and with no reduction in light levels. For higher performance, the

Quicktronic Super System uses the company's 36-W T8 lamp, which provides 25% higher light output than a standard T8 system while providing the same energy efficiency of the standard Quicktronic series. This system allows fewer lamps to be used for each fixture, or fewer fixtures to be used in a given space while providing equivalent light levels. The system can also be used in situations where maximum light output/lamp is required, such as when fixtures are converted from four to two lamps or in indirect fixtures.

Hi-8ME, metal-evaporated videocassettes for ENG and EFP applications, were developed by Sony Corp. of America, Sony Dr., Park Ridge, NJ 07656. The products are designed to handle the high data densities of the company's Hi8 recording systems and to produce excellent sound and picture quality. The formulation of the new tapes is unlike that of conventional videocassettes. A vacuum evaporation process achieves extremely high packing particle densities on the tape without the need to apply a binder. The Evaticle recording medium, which is composed of ultrafine crystallized magnetic material based on a cobalt alloy, is bonded directly to the base film. The result is a retentivity of 3700 G.

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Positions Available

Maintenance Engineer. Corporate broadcast/production facility based in New York City seeks full-time staff maintenance engineer experienced with Ikegami studio cameras, 1-in. and Betacam tape machines. Good bench skills. Several years experience in maintenance and component level repair required. Send resume with references and salary requirements to Mitch Silberbush, Merrill Lynch Video Network, World Financial Center - B23, New York, NY 10080-6123.

Outside Sales Broadcast Engineer. Manufacturer of high-quality A/V cables, connectors, and patchbays, based in So. Calif., seeks applications sales engineer experienced with multimedia facility systems integration and state-of-the-art video hardware. Responsible for managing territories, sales lead tracking, custom interconnect specifying, and user technical support. Competitive salary, full travel allowance, benefits. Mail or fax resume with salary history to Canare Cable Inc., 511 Fifth St., Unit G, San Fernando, CA 91340. Fax: (818) 365-0479.

HDTV Research Opportunities. Digital Video Systems: Three to five years experience in image compression, source coding, and algorithm development. Image Quality Psychophysics: Set up experiments, evaluate physical imaging devices, implement algorithms, improve quality. VLSI Video Communication: Design high-speed digital circuits and digital data communications. Excellent salary and benefits. Contact J. Paul, 456 W. 23rd St., New York, NY 10011. Call/Fax: (212) 633-8727.

Positions Wanted

Director/Cameraman. Australian currently contracted in Singapore, seeking challenging position. Twelve years experience in news, documentaries, and commercials. Willing to travel and relocate in any country. Contact K. R. Hallion, P.O. Box 415, North Adelaide, SA 5006, Australia. Tel: 65-2837041, Fax: 65-2568931.

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Available. Most volumes SMPTE Journal 1924-1954. Best offer for collection. Also complete bound volumes 1961-1971. Susan Arasmith, 4757 Summit Ave., Simi Valley, CA 93063. (805) 527-8403.