

New Products

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



BTS camcorder LDK 391

The LDK 391 one-piece, lightweight camcorder for ENG/EFP production has been launched by BTS Broadcast Television Systems GmbH, Robert Bosch

Strasse-7, D-1600 Darmstadt, W. Germany. The LDK 391 is a broadcast quality product with an integrated Betacam SP VTR. It uses the latest FT-5 image sensors and has over 700 TV lines resolution. Features of the product include eight white-balance memories with instant access that meet a wide range of lighting conditions, a precision 1.5-in. viewfinder that provides diagnostic message display, a range of electronic shutter speeds for recording high-speed action, and a recorded signal that can be relayed in the camera viewfinder for confirmation. The BTS LDK 391 comes complete with 1.5-in. viewfinder, adjustable shoulder pad, microphone, tripod adapter, shoulder belt, rain cover, carrying case, and operation and maintenance manuals. Options include a color replay unit with video and RF outputs, on-camera lighting, and simple cable interface to external VTRs.

Speed and affordability are combined in the UMI 500 and UMI 600 Multitasking Keyboard Videotape Editors, manufactured by United Media, 4771 E. Hunter, Anaheim, CA 92807. These products pro-



Keyboard for UMI 500 and 600 videotape editors

vide SMPTE RS-422 direct serial control of up to four or six VTRs, respectively, and/or optional parallel interfaces, with an industry standard alphanumeric keyboard. Features include a multitasking device, high-resolution amber CRT monitor, 3.5-in. disk drive (MS-DOS or industry compatible), time code generator with jam sync, switcher control for Serial RS-232/422, and color-coded keyboard.

Computer software for audio/video designers has been created by L.J. Engineering, 5746 Ravine Way, Richmond, CA 94805. VideoCAD, an add-on product for AutoCAD makes the drawing of audio and video diagrams simple and fast by providing immediate, menu-driven access to conventional drawing figures. It's most powerful feature is a wiring list generator. By inserting wire numbers on the drawing, the data is generated for an exportable wiring list, and the drawing itself contains

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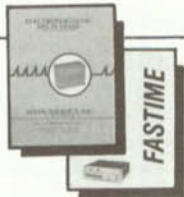
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all the hidden information. VideoCAD works with most AutoCAD installations running under DOS for IBM PCs and compatibles.

YK1267 Klystron, one of the latest vision tubes added to the wide range of high-efficiency annular beam control (ABC) klystrons for television, has been introduced by Philips Components Discrete Products Division, 45 George Washington Hwy., Smithfield, RI 02917. The product features an output power of 70 kW and operates over the complete 470 to 860-MHz UHF television transmitting frequency range. It boasts an efficiency rate of more than 65%, depending upon the modulation circuitry. The compact, air-cooled unit is constructed with a non-intercepting electrode that regulates the beam current at a constant adequate amount over the entire modulation range. It can save approximately 25% of energy as compared to standard tubes. In conjunction with the YK1267, Philips has also developed the YK1221, a special sound klystron designed to operate in an economical sound/vision configuration, drawing power from the same supply as the vision klystron.

The first digital hard disk recorder that is as easy to use as a standard analog two-track has been launched by Alpha Audio Automation Systems, 2049 W. Broad St., Richmond, VA 23220. The DR-2™ can record up to 60 min of 16-bit stereo audio with time code at 44.1 or 48-kHz sample rates. Because the DR-2 uses simple tape recorder controls, no computer interface is required, minimizing unproductive training time. It connects directly to audio and video editing systems via dual RS-422 serial ports. The DR-2 emulates a Sony BVU-800 for serial control, making possible a wide range of applications in broadcast radio and television, video post-production, audio sweetening, and music recording.



RTI's D11 dropout analyzer

A dropout analyzer has been placed on the market by Research Technology International (RTI), 4700 Chase Ave., Lincolnwood, IL 60646-1689. The D11 tests videotapes prior to recording, editing, and other uses where excessive dropouts are not acceptable. It can work with virtually any videotape format, analyzing the RF signal off recorded tape without erasure.

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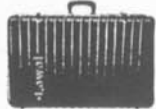
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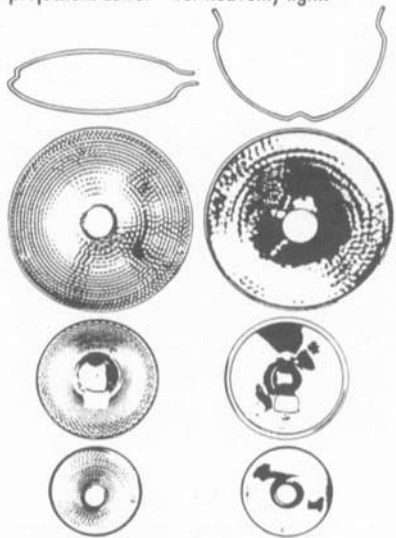


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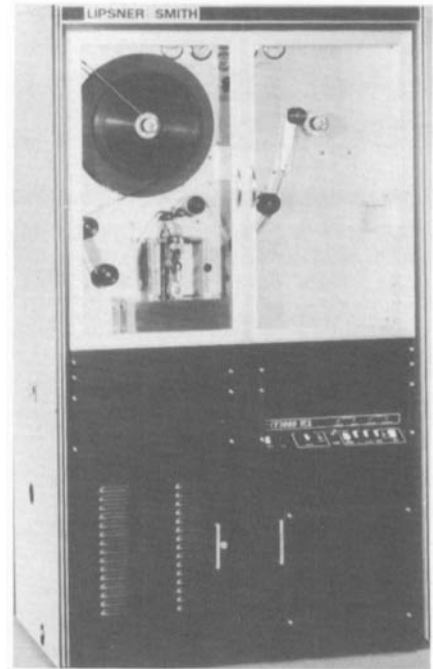
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It contains two counters so that two different size dropouts can be simultaneously detected. The unit's hard copy printer provides reports that detail total dropouts, bad intervals of tape, elapsed evaluation time, date and tape ID numbers, and user-programmable setup criteria. The compact, rack-mountable unit is available in models for both PAL and NTSC.

A time base corrector/noise reducer, SA-T411U, that utilizes component signal processing circuits and a noise reduction system to enhance video performance has been introduced by JVC Professional Products Co., 41 Slater Dr., Elmwood Park, NJ 07407. To ensure accurate picture processing, the SA-T411U converts input signals to 4:1:1 format digital video component signals. Digital luminance and color components are time base corrected separately before proceeding to individual noise circuits. These noise reduction circuits maintain noise-free picture quality over repeated dubs. Noise in the chroma signal is reduced by a digital field recursive noise filter circuit. Noise reduction is applied to the analog luminance signal in two separate frequency bands. High-luminance frequencies are processed by a three-line, adaptive comb filter. Low-luminance frequencies are processed by a standard comb filter noise reducer which eliminates broad area noise in the picture. Product features include frame memory, dropout compensation, and a black-stretch circuit. SA-T411U is part of the Professional S video system, the company's newest line of S-VHS production and post-production equipment.

An audio network testing system has been announced by Schmid Telecommunications, Rieter Strasse 6, CH-8002, Zurich, Switzerland. SIAT (Short Interval Audio Testing) is a fully-automated system that can monitor any audio network, from a simple circuit to a complex series of cable, fiber optic, satellite, and microwave links. An entire test sequence can be completed within five secs. SIAT checks up to ten critical parameters of audio transmissions, including frequency response, phase/level difference, total harmonic distortion, crosstalk, noise, channel transposition, and intermodulation distortion. The complete system, which conforms to CCITT standards, consists of three pieces of equipment: the SZ316 signal generator, SZ346 measuring receiver, and the SZ SIAT-NET software for network supervision.

A film cleaning system that uses 85% less cleaning solvent than previous designs has been introduced by Lipsner-Smith Co., 4700 Chase Ave., Lincolnwood, IL., 60646. Model CF3000 has improved the original CF-2 film cleaning system by replacing the drying towel with a high-vol-



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ume, high-pressure air cushion which returns to the system the fluid and vapor that were previously lost in the drying towel. Venting requirements are thus reduced. Components include high-capacity refrigeration coils for vapor condensation and a distilling system for solvent recovery. Usable fluids in the system include regular solvent and solvent with CF-2 Plus Conditioner. Because all cleaning components operate within the Virtually Closed System (VCS), fluid loss by evaporation is minimized and fluid loss due to contamination is reduced because the solvent is reclaimed through distillation. The CF3000 handles both 35mm and 16mm film on reels or flanges.



Frezzi Energy Systems SF-1 charger

A new, advanced battery charger has joined the line of products by Frezzi Energy Systems, 5 Valley St., Hawthorne, NJ 07506. The SF-1 automatic, computerized, multicharge rate charger has the ability to charge any or all type NP-1 batteries at multiple rates, including a super-fast speed (one battery every 30 min), fast speed (two batteries every 60 min), and slow speed (four batteries every 8 hr). It has an AC line input of 50 to 60 Hz, 90 to 140 V, or 180 to 280 V autoselected.