

New Products

A film and video production solution was announced by Silicon Graphics, 2011 N. Shoreline Blvd., Mountain View, CA 94043-1389. Silicon Studio™ fuses computer-generated graphics, digital video, and advanced digital audio on general-purpose computer systems. A key element of the system is the Challenge™ video server, which simplifies collaboration and sharing of video sources. Based on an advanced symmetric multiprocessing architecture, the system supports up to 36 CPUs, 16 Gbytes of main memory, and multiple concurrent streams of real-time video data. The server stores up to 30 hrs of uncompressed on-line video, which is well suited as a central resource for post-production and broadcasting applications. The system includes three new products: the Galileo Video™ adapter and Cosmos Compress™ JPEG compression option for the Indigo family of desktops, and Sirius Video™, a video solution for the company's high-end workstations and servers.

The company, in conjunction with Accom, Inc., also unveiled the work station disk (WSD™). The product is the first desktop real-time disk recorder and provides a solution for computer graphics and animation applications requiring full quality, real-time digital recording and playback. The product provides 32 sec of uncompressed 4:2:2 component digital video storage capacity, configuring to the CCIR 601 standard and can operate in both 525 and 625-line standards. As an option, it can be equipped with either serial digital video I/O or RGB I/O.

Circle No. 201

Video Toaster 4000 is available from NewTek, 215 SE 8th St., Topeka, KS 66603, (800) 847-6111; Fax: (913) 231-0101. The unit includes a switcher with four video inputs and three internal digital sources. The system features close to 300 video effects, from dissolves and wipes with user-adjustable durations, to complex digital effects and animated transitions. Many effects feature drop shadows, glints, and smooth, full-color animation. The product also includes an integrated graphics loader, which allows users to load and display video frames, still stores, and animations. Both still graphics and animations can be displayed with variable transparency, adjustable drop shadows, and can be keyed over video sources. The system includes a 24-bit, 35-nsec resolution character generator.

Circle No. 202

A multitrack hard disk recording and editing system is available from Otari

Corp., 378 Vintage Park Dr., Foster City, CA 94404, (415) 341-5900; Fax: (415) 341-7200. The PD-464 CMX AutoConform™ has introduced a new software facility for working with CMX-style video edit lists. Using serial machine control for automatically recording the appropriate audio material, the product automates many editing tasks and provides time savings in audio/video post-production applications. Available as a software option, the product operates linked to the ProDisk GUIDE™ graphical interface. The software reads CMX format (RT-11), Macintosh, or converted IBM-DOS diskettes; supports full CMX protocol, including source-track mapping and checkerboarding, and reads and translates many other edit list formats; and features a hands-off autoloading capability using a 9-pin serial machine control to automatically record, name, and store audio material on ProDisk.

Circle No. 203

A portable editing system was debuted by Montage Group Ltd., One W. 85th St., Suite 3D, New York, NY 10024, (212) 769-4100; Fax: (212) 595-7754. The M21P is a random access, full screen, full-motion video acquisition and editing solution. The product includes such features as full-screen editing and playback, frame-accurate edit decision lists (EDLs), superior image quality, and ease of use. The unit, which has the capability of producing on-line EDLs, responds to the varied needs of users by offering ISO-Cam shooting flexibility. Multiple portable systems can be stacked and time code locked to a master VTR.

The M22, a member of the Video-Station Series, combines many features of the Professional Series models, but with a mouse and keyboard as the control panel and removable magnetic media for storage. Residing on a 486i-based processor, the product's features include automated input from logs and EDLs, real-time graphic overlays, and 24 frames/sec capture and playback.

Circle No. 204

Several new products were announced by For-A Corp., 166 Upper Richmond Rd., Putney, London SW15, England, (081) 788-7664; Fax: (081) 788-7435. A full-function video post-production and production mixer, the VPS-300, features built-in 3-D DVE. In addition to the 8-input mixer with 2 keyer layers, the DVE section of the product has a wide array of antialiased 3-D effects from warp effects

to page turns. The DVE also has picture trail and light source as a standard feature to create imaginative effects.

The MF-300 Multiflex is a 3-D digital effects generator with optional image trace, page turn, and super-warp effects. The unit is a full-function 3-D DVE that allows the easy creation of fully antialiased 3-D effects. The product also has a super-warp option that includes page turns, waves, ripples, and other effects. The unit comes standard with both a light-source generator and picture-trail function to add extra dimension to all effects.

The UDP-2000 Universal Digital Processor is a digital color corrector featuring serial D-1 inputs and outputs. All internal processing is in digital component 4:2:2. The product offers both primary and secondary color correction and has sophisticated noise-reduction facilities, such as motion adaptive recursive noise reducer for the reduction of film grain or a sophisticated median filter for the reduction of pulse noise, such as FM sparkles or dropouts.

Circle No. 205

Matador 3.30, a 2-D animation and special effects system, was introduced by Parallax Graphics Systems, P.O. Box 3035, Westminster, London SW 1-3BH, England, 071-799-3100; Fax: 071-976-0922. The product's features include full-screen painting where high-resolution images can be worked on using the whole monitor without menus, which allows much larger displays for highly detailed work. A number of new tools have been incorporated for image manipulation and color correction, including keypoint or freehand graph-based techniques and image histogram tuning for setting of black levels, white levels, and gamma. Full support has been added for Kodak's Cinesite film file formats, including the 6000+ line VistaVision images. The release also includes a new multiresolution flipbook facility, high-resolution text display, and the revolutionary Smart Brushes that provide automatic conversion of live-action video into impressionist styles.

Circle No. 206

A D-5 1/2-in. component digital studio VTR was launched by Panasonic Broadcast and Television Systems Co., One Panasonic Way, Secaucus, NJ 07094. The product is based on, and compatible with, the company's field-proven D-3 1/2-in. composite digital format. The D-5 VTR features record and playback of the CCIR 601 digital video standard in its full 10-bit,

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uncompressed form, and full digital audio; video sample rates of 13.5 or 18-MHz are selectable. The component VTR is suitable for both 4:3 and 16:9 aspect ratio applications and offers optional playback of D-3 composite digital recording in the component domain.

The AJ-D340 D-3 studio recorder/player is said to be the industry's smallest digital studio VTR. The product delivers up to 4 hrs of high-quality continuous recording and playback with all the demonstrable benefits of D-3 performance. The unit is suited to applications requiring multiple VTRs, such as simultaneous mul-

multiple recording from several sources, satellite recording, or as source players for dubbing.

A fully digital professional broadcast monitor, the AT-H1905D, is designed as a master monitor for quality evaluation at TV stations or production facilities. The 19-in. color monitor features complete digital signal processing to maintain high-quality images. It offers adaptive digital Y/C separation via digital comb filtering to reduce dot interference and cross color. Digital chrominance signal processing ensures high stability. At the heart of the unit is a newly developed CRT with an



Panasonic D-5 1/2-in. component digital VTR

impregnated cathode that provides a small spot on the CRT, high brightness, and long life. The 0.28mm CRT dot pitch is unique in a monitor size, enabling the monitor to deliver more than 900 TV lines of horizontal resolution.

Circle No. 207

A line of digital Betacam videotape recorders was unveiled by Sony Corp., One Sony Dr., Park Ridge, NJ 07656. The line consists of four modules: The DVW-A500 recorder, which records and plays back digital Betacam cassettes, plays back analog Betacam and Betacam SP cassettes, and features analog and digital components and composite outputs; the DVW-A510 player, which plays back digital Betacam, analog Betacam, and Betacam SP cassettes, and has analog and digital outputs for both component and composite signals; the DVW-500 recorder, which records and plays back digital Betacam cassettes, features analog and digital component inputs, as well as analog and digital component and composite outputs, and offers an optional NTSC decoder that allows it to accept analog composite inputs; and the DVW 510 player, which plays back digital Betacam cassettes and has both analog and digital component and analog composite inputs.

A line of component serial digital post-production devices and systems will support the digital Betacam format. The line will include the DVS-2000C compact, one mix effect, 12-input component serial digital switcher; the DME-3000 serial digital multi-effects device; the BVE-2000 editor; and the DMX-E2000 digital audio edit system.

A sophisticated PC-based linear editor, designed for the corporate and industrial market, was also introduced. DES-500 Destiny™ Editing System is an integrated editing system for the desktop user. The product combines dynamic effects capabilities with a four-VTR edit controller, a four-channel audio processor, and optional paint and character generation programs. The unit uses a powerful graphical user interface to manage and control all editing and switching functions from the workstation.

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Circle No. 104



JVC low-light 2/3-in. CCD camera

A low-light 2/3 in. CCD high-resolution camera was announced by JVC Professional Products Co., 41 Slater Dr., Elmwood Park, NJ 07407, (201) 794-3900; Fax: (201) 523-2077. The KY-27U features the company's exclusive LoLux technology and is distinguished by its resolution, sensitivity, and image quality. The product achieves a total of 30-dB gain without noise and picture degradation from this degree of gain by combining 24 dB of electrical gain with an additional 6 dB, which is achieved by a CCD pixel readout technology. The camera also offers automatic and operational features, including variable scan view, enhanced automatic level control, and full-time auto white and full auto shooting.

An S-VHS time-lapse recorder was also introduced. The BR-S925 incorporates high-resolution S-VHS recording and playback for more than 400 lines of horizontal resolution. By making it possible to record two separate images on a single frame, the product effectively doubles the amount of recordable information and ensures clear, sharp reproduction of everything from the words and figures on a text screen to the details and characteristics of an individual's face.

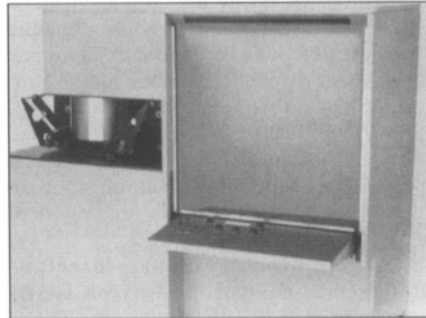
A 5.5-in. color monitor, the TM-550U, is especially suited for ENG and EFP purposes. The product, a multistandard monitor accepting both NTSC and PAL TV signals, was designed to accommodate multi-power operation. The product automatically adapts to AC voltage from 100 to 240 V and also operates by battery with a built-in slot for both NB-G1 and NP-1B. A battery-save mode automatically switches the monitor to standby to avoid wasting battery life when there is no video.

Circle No. 209

A line of video production switchers was announced by BTS Broadcast Television Systems, 94 W. Cochran St., Simi Valley, CA 93065, (805) 584-4700; Fax: (805) 584-4750. The Diamond-digital Series is a full family of serial component production systems, consisting of four switchers covering markets from small post-production/telecine operations to major live and on-line post-production facilities. The products offer high-quality chroma keying and other high-level effects.

A PC computer-based control system that can provide precise control of a range of facilities, from small post-production facilities and audio studios to network and cable operations and radio stations, was also introduced. The Jupiter Control System is a combination of equipment providing a complete range of video and audio routing, machine control, and automation interfaces. The system includes a family of flexible control panels, intelligent interface boxes, and protocols and electrical interfaces.

Circle No. 210



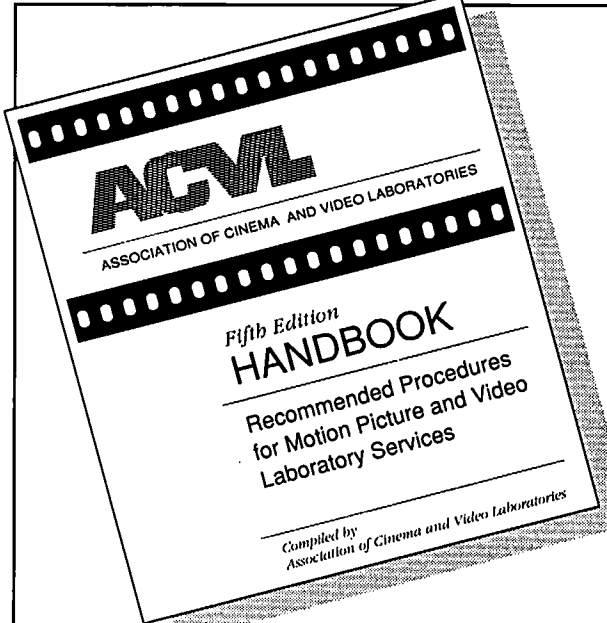
Pioneer Technology Corp. scanning film viewer

The PTC Model 3595 Scanning Film Viewer was launched by Pioneer Technology Corp., 1021 Lake St.,

Burbank, CA 91502, (818) 842-7165; Fax: (818) 842-0921. The product accepts 35mm to 9 1/2-in. roll film and single sheet film for viewing on a large 30-in. square high-gain screen. Film images are sharp and bright and the user may select from several image magnifications; 1X, 5X, 15X, and 30X. The image orientation may be adjusted with the use of the image-rotation feature of the viewer. Operator controls allow the user to adjust illumination, image-scanning speeds, high-speed image search, and more. A special feature allows the viewed image to be overlaid for studying previously photographed imagery for comparison and analysis.

Circle No. 211

A support system for professional-event videography was announced by Miller Fluid Heads, 410 Garibaldi Ave, Lodi, NJ 07644, (201) 473-9592; Fax: (201) 473-9693. System 15's basic features make it equally suitable for high school and collegiate sports coverage and many areas of corporate and industrial communications. Weighing just 9 lbs complete, the product features the Miller 15 fluid head with sliding, quick-release camera platform; sealed, leak-proof fluid drag modules; integral counterbalance for effortless, fingertip camera control; positive pan-and-tilt locks; and provision for dual-handle operation.



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Circle No. 102



Miller System 15

The system's alloy tripod is light, rigid, and extremely resistant to torque twist. Coupled with the fluid head, the system has an operating range of 34 to 76 in. and a minimum storage length of 36.5 in. The tripod's air-damped center column provides fast height adjustment and will help prevent a hard bottoming of the camera if the column lock is inadvertently released. A convenient shoulder strap is included.

Circle No. 212

CODI™ Companion, a PC-based message sequence scheduler and operating software designed to control the Chyron CODI, was introduced by Media Computing, Inc., it was announced by Chyron Corp., 265 Spagnoli Rd., Melville, NY 11747, (516) 845-2000; Fax: (516) 845-5210. The product's features include the ability to schedule message sequence events with display time defined in hours and minutes, and specific time of day or in relation to previous designated times. The unit allows unattended operation as well as real-time list management display for live productions. All CODI features and effects can be controlled by the product, such as crawl, roll, fade, matrix, wipe, dynamic flash control, and take. Virtually unlimited events and display sequences can be programmed and scheduled and a special Slow Type feature allows for designated rate of character by character message display. The Companion contains its own word processor and allows for import of ASCII files.

A Macintosh software interface designed to control the Chyron CODI was launched by ZEI Software. The Z F/X™ provides a bridge between the graphics-sophisticated environment of the Macintosh platform with the high-resolu-

tion, broadcast-quality television industry. The software provides users with easy-to-use pulldown menus and mouse control. A background editor allows interactive editing and fast mouse controls to add, delete, or modify any part of background graphics. With the Macintosh command key, any number of text edit windows can be created or opened, which can instantly be sent to the CODI. Multiple windows allow punching up of preset effects on cue. A "live" window provides full, real-time control and monitors the status of images and text sent to the CODI.

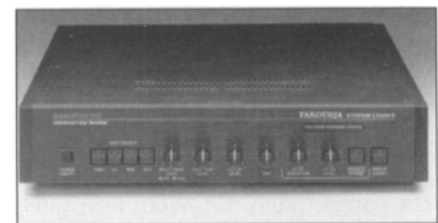
The company also announced the availability of Logcom and Textom, the first French/English logo and character software packages for the CODI text and graphics generator. Both packages work in conjunction with scanning, video-capturing, and drawing software and provide access to off-the-shelf products such as Corel Draw™ and Image-In™. Logcom software allows CODI to display logos, graphic designs, and text in any chosen font, color, or transparency.

Circle No. 213

A video codec board set was introduced by Toko America, Inc., 1250 Feehanville Dr., Mt. Prospect, IL 60056-6023. The TCD2000 offers digital video compression and transmission, and an advanced coding algorithm (based on H.261) and direct processing of component signals, producing superior image and audio quality. These boards are also reduced to a 6U VME board size.

A compact and portable video codec system was also announced. The VAST-p is a transportable video and audio storage and transmission terminal. It is designed for ISDN/ACCUNET and satellite transmission links using mobile earth stations via INMARSAT satellites. The product includes a built-in video compression system using the latest video coding algorithms (based on H.261) to achieve efficient bit-rate reduction of video signals.

Circle No. 214



Faroudja System LD100-U line doubler

Two new products were announced by Faroudja Laboratories, 675 Palomar Ave., Sunnyvale, CA 94086, (408) 735-1492; Fax: (408) 735-8571. The LD100-U multi-standard line doubler detects if the video source delivered is PAL or NTSC and

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Circle No. 107

automatically switches to the appropriate standard. It uses adaptive comb filter chroma/luminance separation and decoding, motion compensated upconversion, and horizontal and vertical bandwidth expansion and detail processing to convert composite video to a picture quality subjectively close to actual HDTV. Through clear separation of the two distinct motion cases, true video sources or 24 frames/sec film sources, the line doubler produces pictures with superior motion rendition.

A 9-bit digital composite to RGB and component comb filter decoder is designed for critical applications where high resolution and absence of artifacts is required. The CFD-U uses a novel active comb filtering method that leads to a much more effective suppression of color sub-carrier dot crawl than with standard comb filter designs. The resultant image has no visible loss of resolution and an improved S/N ratio. The decoder includes a unique nonlinear horizontal and vertical detail enhancer and bandwidth expander. The multistandard digital decoder features automatic detection of the input signal standard.

Circle No. 215

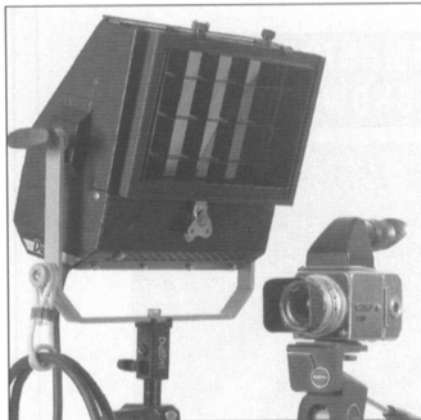
A portable, electronically controlled, elevating camera tower was launched by Treecop Systems, 191 Post Road W., Westport, CT 06880, (203) 221-2700; Fax: (203) 222-0527. Both on location or in the studio, the product adds a new dimension to television coverage of sporting and political events, industrial videography, and AF photography. With the flip of a switch, the camera rises from 5 ft up to 29 ft. The Telescoping Camera Tower System consists of a telescoping tower, a remote-controlled pan/tilt head, and a function-control console. Telescoping tubes rise smoothly from the main column, which houses the system's motors. Three adjustable legs help to support and stabilize the system. The tower is manufactured of heavy-duty, high-grade aluminum alloy with a black anodized finish. It is designed to withstand rugged use under a variety of environmental and topographical conditions.

Circle No. 216

The MGI 120/220 camera module was unveiled by Management Graphics, Inc., 1401 E. 79th Street, Minneapolis, MN 55425, (612) 854-1220; Fax: (612) 851-6159. The product is designed for professional photographers, color labs, portrait labs, or anyone who wants to utilize the 120/220 format for their computer-enhanced images. The format gives users a better solution for enlargements than 35mm with the ease of use of a roll film. The camera module is based on a motorized Mamiya 120/220 camera utilizing a

6 X 7 cm image area and incorporates a 120mm lens for outstanding image quality. The module is compatible with the family of Solitaire Image Recorders.

Circle No. 217



DeSisti Wyeth 1000-W softlight

Two quartz halogen softlights were added to the product line at DeSisti Lighting/Desmar Corp., 1109 Grand Ave., N. Bergen, NJ 07047, (201) 319-1100; Fax: (201) 319-1104. The Wyeth 1000-W and Wyeth 1000/2000-W soft-

lights are named in honor of the famous American artist, Andrew Wyeth. The compact size and high light output of the softlights make them adaptable to both location and studio applications. Color frames that can be placed in the front or rear of the egg crate allow for closer creative control of the light beam.

Circle No. 218

The 1993 IC Master CD-ROM Plus has been released by Hearst Business Publishing/UTP Div., 645 Stewart Ave., Garden City, NY 11530, (516) 227-1300; Fax: (516) 227-1901. The product contains the entire 1993 IC Master, the 1993 Directory of IC Manufacturers Data Pages, the 1993 Alternate Source Directory, and a powerful inquiry generation and tracking system — all on a single compact disc. The data base provides parametric search data on 79,719 ICs from 242 manufacturers, including 21,164 devices that are listed for the first time. Over 1600 manufacturers data pages are included. The product runs in any ISO9660 CD-ROM reader and any IBM AT-compatible personal computer.

Circle No. 219



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