

New Products

The Multichannel Audio Processor (MAP) has been released by Panasonic Broadcast and Television Systems Co., One Panasonic Way, Secaucus, NJ 07094. The MAP is a stand-alone A/D and D/A converter as well as a 4:1 bit-rate reduction device for audio applications. It acts as a processor between studio audio components and a digital audio/video recorder, and it quadruples the AES/EBU digital audio channel pairs of Panasonic D-3 composite and D-5 component digital VTRs. The MAP allows program producers to record or play back multiple language versions of their program simultaneously from the same cassette.

The 446Y/C Video Integration Memory is new from Colorado Video, Inc., Box 928, Boulder, CO 80306, (303) 530-9580; Fax: (303) 530-9569. This stand-alone self-powered unit provides high-definition field or frame freezing from color television cameras using Y/C encoding. Horizontal resolution is 1024 pixels and gray scale is 8 bits deep. The unit incorporates special timing circuits for use with TV cameras having integration capability, allowing an

increase in sensitivity of two or more orders of magnitude.

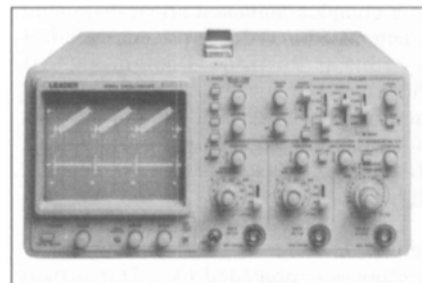
Performance enhancements across many product lines have been introduced by Silicon Graphics, Inc., 2011 N. Shoreline Blvd., Mountain View, CA 94043-1389.

The Indigo² line offers the strongest CPU and graphics performance available on the desktop. Interactive computing and analysis is brought to the desktop through the integration of 256 Mflops of graphics performance with 300 Mflops of peak CPU performance. The new POWER Indigo² system is specially designed to process large data sets interactively; the 75-MHz MIPS R8000 processor contains 2 Mbits of global, data-streaming, four-way, set associative cache to deliver a SPECfp92 of 270, a SPECint92 of 108, and a LINPACK 1000-by-1000 rating of 230.

The Onyx graphics supercomputer has been introduced in a 200-MHz version, with CPU speed increased 33% over the previous 150-MHz system. Based on the MIPS RISC R4400 microprocessor, the Onyx graphics supercomputer provides a larger 4 Mbit secondary on-chip cache and

balanced integer and floating point performance.

The Challenge L and Challenge XL MIPS R4400-based symmetric multiprocessing servers have also been upgraded to 200 MHz. These servers combine high-performance CPUs and I/O throughput performance for enterprise-wide data center applications in the database, digital media, compute, real-time, and file serving markets.



The Model 8063 oscilloscope from Leader

The Model 3222 synthesized signal generator has been introduced by Leader Instruments Corp., 380 Oser Ave., Hauppauge, NY 11788, (516) 231-6900. The Model 3222 covers 100 kHz to 2.7 GHz and offers 10-Hz resolution to 1.35 GHz and 20-Hz resolution to 2.7 GHz. Frequency accuracy is better than 0.05 ppm standard, and a 0.002 ppm time base is offered as an option. Operating choices include up to 100 set-up programs in which carrier frequency, modulation modes and parameters, and output attenuation are easily preset.

The Model 8063 is a 60-MHz, 3-channel oscilloscope now available from Leader Instruments. The Model 8063 offers vertical sensitivity ranging from 1 mV/div to 5 V/div in 12 steps for channels 1 and 2. Bandwidth is automatically restricted to 20 MHz in the high-sensitivity settings. V modes select display of CH1-3 in any combination plus SUM (or difference with CH1 inverted) waveform. Alternate channel display is normal but CHOP may be selected from the front panel. Sweep facilities include delayed sweep with simultaneous display of the main and delayed traces in the ALTERNATE sweep mode.

A new line of DigiSpot systems has been introduced by Odetics Broadcast, 1515 S. Manchester Ave., Anaheim, CA 92802-2907, (714) 774-5000; Fax: (714) 774-9432. These spot delivery systems are available in a variety of configurations that combine videotape and optical and digital disk recorders for automated on-air present-

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tation applications. The systems are easily expanded up to 4-channel operation for either separate schedules or regional break-aways from a main feed.

The MicroCart 100 master control system, also new from Odetics, automates the on-air scheduling of station breaks, spots, and programs in small to mid-size broadcast operations. When used with a digital disk recorder, active spots can be stored digitally while program material is played from tape decks that are also under the system's control.

The Dual Channel CacheMachine is a digital Betacam system with serial digital switching for two independent channels. It offers flexibility to stations that must manage multiple channels from a single location by handling a full day's run of program material as well as providing on-line storage for thousands of commercials or other short segment material. The Dual Channel CacheMachine also allows news operations to use one channel for programs and spot insertions, freeing transports for automatic tape replay during the newscast.

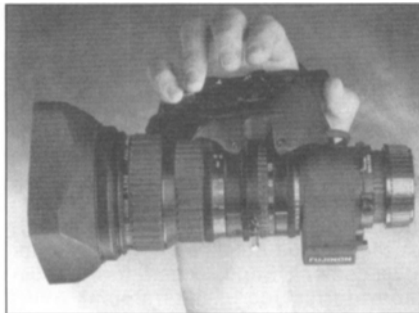
The R-750 mirror master recorder has been introduced by Otari Corp., 378 Vintage Park Dr., Foster City, CA 94404, (415) 341-5900; Fax: (415) 341-7200. Designed to accompany the new version of the T-700 MKIII TMD high-speed video duplicator, the R-750 offers a mini-Pro order tracking system, VHS index search system, transport control from computer, search to zero, Dolby HX Pro, linear audio monitor head for Dolby HX Pro setup, auto recording, monitor speaker, headphone jack, output jacks, selectable common connections to linear and/or hi-fi audio, tape counter, multifrequency audio oscillator, Y/C separated video inputs, and a 20-dB VU meter boost selection



Hewlett-Packard's HP 1664A logic analyzer

The HP 1664A portable logic analyzer is now being offered by Hewlett-Packard Co., Direct Marketing Organization, P.O. Box 58059, MS51L-SJ, Santa Clara, CA 95051-8059, (800) 452-4844 ext. 8590. The HP 1664A offers 250-MHz timing analysis and 50-MHz state analysis on 34 channels; in half-channel mode, 500-MHz timing analysis is provided. State analysis can be performed on 8-bit microprocessors and microcontrollers, and the HP 1664A

can be used for state analysis on buses as wide as 32 bits, or for timing analysis applications that require 34 or fewer channels.



Fujinon S15X6.1EVM/ERD zoom lens

The S15X6.1EVM/ERD handheld zoom lens is new from Fujinon, Inc., 10 High Point Dr., Wayne, NJ 07470, (201) 633-5600; Fax: (201) 533-5216. Weighing 3.2 lb, it is available in an ENG style and with servo control of zoom and focus for use in remote applications. The lens incorporates aspheric technology (AT), which provides a dramatic reduction in spherical aberration and better overall optical performance. Graduated, star, polarizer, and other filters need to be set only once, with no adjustment needed after refocusing.

Alan Gordon Enterprises, Inc., 1430 Cahuenga Blvd., Hollywood, CA 90078, (213) 466-3561; Fax: (213) 871-2193 has



MARK V director's viewfinder from Alan Gordon Enterprises

announced improvements to its **MARK V director's viewfinder**. New focal length markings for Super 16 and 2/3-in. video have been added, in addition to the previously existing markings for 16mm, 35mm, anamorphic 33mm film, and 1/2-in. and 1-in. video focal lengths. The MARK V is calibrated for aspect ratios 1.33, 1.66, 1.85, 2.35, and 16/9. It has a 12:1 zoom ratio and an adjustable eyepiece focus ring.

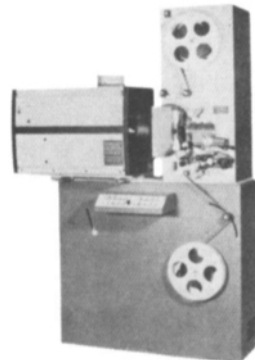
The Model HEC-2000-H hum eliminator has been introduced by Allen Avionics, Inc., 224 E. Second St., Mineola, NY 11501, (516) 248-8080; Fax: (516) 747-6724. BNC connectors have been relocated for easier access; 1/4-in. stainless steel handles and jack covers have been added to protect the connectors. This broadcast-quality device is used to remove or "choke" hum at over 60 dB on 50 Hz or 60 Hz systems.

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