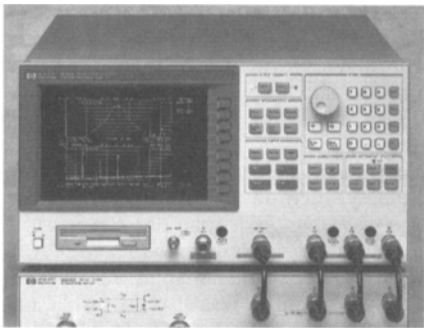
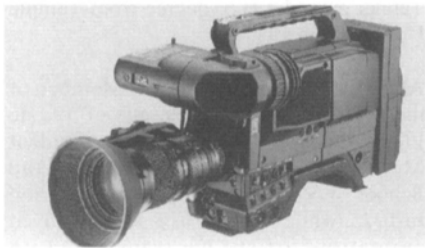


New Products



Hewlett-Packard 1.8-GHz network/spectrum analyzer

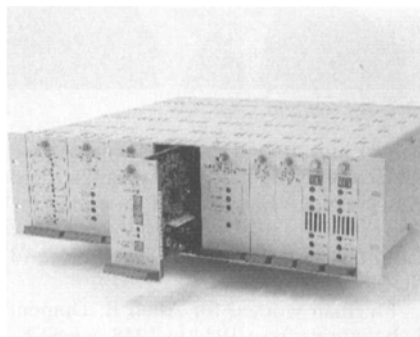
The HP 4396A, a 1.8-GHz combination spectrum and vector network analyzer with an optional built-in instrument controller, was introduced by Hewlett-Packard Co., P.O. Box 58059, MS51L-SJ, Santa Clara, CA 95051-8059. The analyzer simplifies RF testing and reduces test costs without compromising performance. The unit is a self-contained test system for R&D and production engineers, which can be used to test communications equipment, computer peripherals, consumer electronics, medical equipment, and RF components, or it can perform general network and spectrum analysis. The product, which uses fast digital processing techniques and an innovative design to provide lab-quality performance levels, has a 7.5-in. high-resolution CRT that can display two independent measurement channels simultaneously. The channels can be assigned to perform vector network analysis, spectrum analysis, or a combination of both. Eight markers/channel are provided with convenient marker functions, including zooming, identifying, and listing peaks, delta functions, and noise values.



Grass Valley Group M9211-N Auto-Timing D/A Converter

The M9211-N Auto-Timing D/A Converter has been added to the MAX-9000 Series, it was announced by Grass Valley Group, P.O. Box 1114, Grass Valley, CA 95945, (916) 478-3609; Fax: (916) 478-3890. The product, a double-width MAX module that converts serial NTSC digital signals to analog, features

full 10-bit resolution and a unique auto-timing capability. In addition to primary serial digital output, the converter has a reference input that accepts color black. The module, which automatically adjusts the timing of the output signal to match that of the reference signal, features a 33- μ sec auto-correction window; output timing is manually adjustable in relation to the reference signal.



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

Several new products were announced by JVC Professional Products Co., 41 Slater Dr., Elmwood Park, NJ 07407, (201) 794-3900; Fax: (201) 523-2077. A low-light 2/3-in. 3-CCD high-resolution camera, the KY-27U, achieves a total of 30-dB gain without the noise and picture degradation normally associated with this degree of gain by combining 24 dB of electrical gain with an additional 6 dB, which is achieved by the company's unique CCD pixel readout technology. It was designed with 360,000 pixels with a microlens over each pixel for maximum sensitivity and minimum vertical smear. In addition to sophisticated image-processing circuits, the product offers the latest operational features, including variable scan view, enhanced automatic level control, and full-time auto white and full auto shooting. An intelligent iris detection system combines multizone weighting with automatic peak/average detection.

A full-size 3-chip camcorder combines all the benefits of S-VHS recording and the latest 3-chip technology into a single unit that weighs less than 15.5 lb, including lens, battery, and cassette. The product has several unique features, including the company's exclusive LoLux technology, which allows the camera to produce quality pictures in light as low as 3 lx. By combining an extremely quiet 24-dB gain with an unusual pixel read-out system and signal processing, the company has achieved an effective gain of 30 dB without the noise

usually associated with this amount of amplification.

A compact, dockable S-VHS recorder, the BR-S422U, delivers picture and sound quality comparable to 3/4-in., while providing much greater mobility. Weighing less than 7 lb, the unit is considered the lightest dockable recorder in its class. In addition to its compact design, the product offers reduced power consumption, quick-response recording start, optional plug-in time code generator, built in AEQ, and 4-channel audio with two linear channels and two hi-fi channels.

Other new products include the BR-S525U, the industry's first S-VHS feeder/player featuring high-quality still and slow-motion speed tracking effects, and a powerful 9-pin A/B roll editing controller, the RM-G870U, which was designed to meet the requirements of demanding video post-production environments.

A single-frame animation controller, the VAC 100 Series, was unveiled by United Media, 4771 E. Hunter, Anaheim, CA 92807, (714) 777-4510; Fax: (714) 777-2434. The product is a circuit board that plugs into any Amiga or IBM PC that is being used to generate graphics. Four different models are available. The single boards replace LAN hardware, both transmitter and receiver, by offering a direct RS-422 plug-in alternative. With the board in place, the full control of VTR operation and editing functions are available at the computer keyboard. Two versions, VAC-110 and VAC-120, fit into the unused slot on the Amiga VideoToaster platform, while a third version plugs into the bus of IBM PC/ATs and compatibles. The VAC-150, a standalone animation system module, includes remote control of VTRs and keyboard entry of editing parameters. It can also be used as a single-machine editor with selectable duration control of edits.

A line of microwave antennas was introduced by NuComm Inc., 101 Bilby Rd., Bldg. 2, Hackettstown, NJ 07840, (908) 852-3700; Fax: (908) 813-0399. The portable products include both rod and truncated dish antennas that cover the 1.99 to 2.70, 6.40 to 7.20, and 12.50 to 13.25-GHz frequency range. The 1.99 to 2.70-GHz rod antennas are available in 1 and 2-ft lengths with gains of 13 dB and 16 dB, respectively. The truncated dish antennas are available in the 2, 6 to 7, and 12 to 13-GHz bands in sizes from 7 X 14 in. at 7 and 13-GHz to 1.25 X 2 ft at 2, 7, and 123 GHz.