

New Products

AUDIO EQUIPMENT

The Antex Series 2/Model EX-4 32-bit add-in card, introduced by Antex Electronics Corp., incorporates a programmable Texas Instruments (TMS320C31) floating-point digital signal processor (DSP) chip. The EX-4 supports both record and playback functions simultaneously on four independent mono channels. The board features pro-audio specs, allowing it to offer broadcast-quality audio at sample rates to 50 kHz; four 16-bit, balanced analog inputs; four 18-bit, balanced analog outputs; and the ability to record on any number of channels while playing back on the remaining channels.

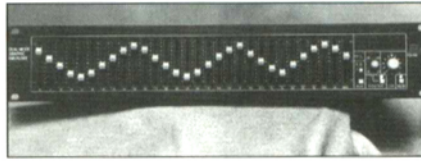
Audio Precision's **GAT-1 GPIB-to-APIB Command Translator** allows test equipment using the proprietary Audio Precision Interface Bus (APIB) to operate in response to commands from IEEE-488 General Purpose Interface Bus controllers. With the addition of a GAT-1, owners of existing APIB-based System One units may operate all test and measurement functions using either the existing APIB interface or a GPIB controller. The unit also allows APIB-based modules from Audio Precision to be combined with GPIB devices in new configurations for production test systems.

The System Two by Audio Precision is a comprehensive, PC-controlled signal generator and analyzer for audio testing in both the digital and analog domains. Measurement capabilities include jitter, FFT of jitter, pulse amplitude, eye patterns, delay, word width, bit activity, sample rate, and high-level decoded status bits. Featured is digital domain architecture, with separate high-performance hardware for analog and digital domain signals.



Audio Precision's System Two.

The FCS-930 two-channel dual mode graphic equalizer has been released by BSS Audio. The unit contains a dual mode filter Q-switching, which means that the equalizer is suited to both feedback elimination where a narrower filter is required and to room response contouring where a wider bandwidth is needed. Other features include a variable high-pass filter, adjustable gain, and a peak warning LED.



The FCS-930 from BSS Audio.

The Model MS/PW-22 from R-Columbia Products Co., Inc., is a rugged, lightweight, single-channel, portable intercom main station/control console with a built-in Fail-Safe power supply. It can be expanded to any number of channels by the simple addition of plug-in slave units. The main station and each slave can support up to ten headset stations each. The operator can talk or listen on any channel, combine them, or access them separately or all at once. Functions include stage announce output for use with an external PA system, a line level input for program monitoring, visual call signalling to attract the attention of operators who may have removed their headsets, a remote mic kill switch for each channel, and a fault-protected power supply with auto reset.

CABLES AND CONNECTORS

The DataView SDA-20/21 Serial Adapter series has been introduced by Viewgraphics, Inc. Both adapters plug directly into a Silicon Graphics Onyx or Challenge chassis and will provide a range of options for video and data transfer. Both units are a 9U VME interface board, which includes a scalable dual-port memory and controller system, an ECC codec, serial digital I/O, timing and genlock circuits, and RS-422 controller.

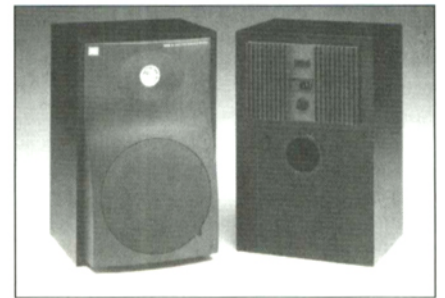
The CT-6 audio/video cable tester is new from Sescom, Inc. The unit was designed to test various combinations of audio and video cables, and it will advise the user of cable shorts, improper phasing, opens, and intermittents. Constructed in a rugged aluminum housing, the CT-6 has three switches with integral LEDs that test XLRs, 14-in. stereo, 3.5 mm, RCA, "F," BNC, and five-pin DIN for midi.



Sescom's CT-6 audio/video cable tester.

MONITORS

The 6208 Bi-amplified Reference Monitor is now available from JBL Professional. Each 6208 cabinet incorporated an 8-in. high-excursion woofer and a 1-in. titanium dome tweeter, with each transducer driven separately by a dedicated power amplifier module with discrete circuitry. An internal active crossover precisely tailors the input signal to match the 6208's transducer characteristics and internal cabinet acoustics. For easy interfacing with different levels of studio equipment, the 6208 has a rear panel switch for selecting either -10 or +4 input levels.



The JBL 6208 from JBL Professional.

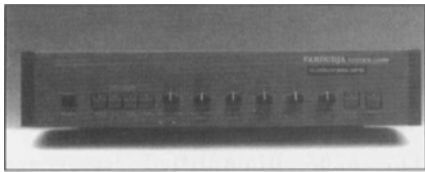
PRODUCTION AND POST-PRODUCTION

The WebFORCE product line of workstations and servers has been released by Silicon Graphics. This Indy desktop system is configured to operate as both a content authoring and serving platform, incorporating the Indy XL graphics subsystem, the IndyCam digital video camera, and a CD-quality audio system.

Videomedia, Inc., has developed the **Virtual Digital Interface (VDI) control** of the Pinnacle Alladin and **V-LAN control of digital disk recorders (DDRs)**, to its new **OZ-PCE (production control environment)**. The control panels provide all the tools for specifying transition type, selecting DVE transitions, time-line duration, selection, and loading of graphics to G1 and G2, independent source selection for both layer 1 and 2 for DVE and overlay graphics, PLAY button to rehearse effects, EFFECT JOG for stepping through the time-line, and REVERSE playing of effects.

SIGNAL PROCESSING/ TRANSMISSION EQUIPMENT

The DFD-U family of PAL/NTSC decoders from Faroudja Laboratories makes use of digital adaptive comb filter technology to convert PAL, NTSC, or Y/C inputs into RGB, component, or D-1 serial and parallel outputs. Different options are



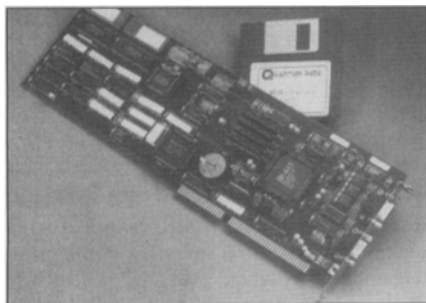
The new PAL/NTSC digital decoder from Faroudja Laboratories.

available, including a frame synchronizer with full time base correction. Remote control via RS-232 terminal is also available. The DFD-U is particularly suited to be used as a first-stage for video compression encoding (MPEG or others) when the in/out is under NTSC or PAL form.

The VP400 line quadrupler is a video processor now available from Faroudja Laboratories. The VP400 is a scan converter that increases by a ratio of four times the number of horizontal scanning lines while providing superior NTSC decoding and horizontal bandwidth expansion. It allows NTSC sources to be displayed via high scan rate monitors or projectors with increased details, brightness, depth, and equaling 35mm in dramatic impact. A PAL/NTSC version is also available.

The Quantum Data 801GCC-ISA is a video test generator available as a plug-in card for personal computers. It offers an easy-to-use Microsoft Windows user interface and features self-calibrating analog video outputs. Also provided are protected video and sync outputs, plus a variety of built-in test signal formats and test images. Signal outputs include RGB analog video; horizontal, vertical, and composite sync; and vertical frame lock and pixel clock outputs. The 801GC-ISA requires a 386 or 486 PC, 4 Mbytes RAM, and one full-size 16-bit ISA or EISA slot per generator, plus 40 Mbytes of hard disk space and 3.5-in. HD floppy drive for installing support software.

The Ultimatte-8 4:4:4 image compositing system has been introduced by Ultimatte Corp. The digitally based system features user selectable inputs (foreground, background) and output (FG+BG) configuration setups. Both inputs and the output can be individually configured to serial 4:2:2



The Quantum Data 801GCC-ISA video test generator plug-in card.

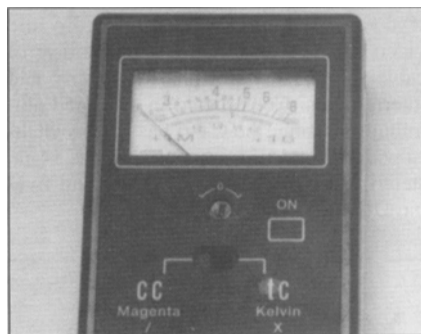
(CCIR-60) or serial 4:4:4. In addition to matting from blue, green, and red backing colors, the Ultimatte-8 can perform fully additive matting using white and black and white backing colors. A fully additive type of compositing allows the Ultimatte-8 to retain all the fine detail present in the foreground scene, in addition to motion blurs and out-of-focus soft transition.

SWITCHERS AND ROUTING SYSTEMS

The Utah-300 routing system from Dynatech Video Group features "Smart Architecture," whose design features include the ability to handle analog and digital signals in the same rack frame, facilitating the move from analog to digital by swapping boards. The video frames are capable of managing several different video signals: analog composite or component and serial digital. The audio frames manage both analog mono, stereo, and digital AES/EBU signals. All matrices are powered by an external power supply featuring optional redundant supplies. The SC-2 controller comes with a high-speed matrix bus that provides ample bandwidth for the networking needs of the future.

TEST AND MEASURING EQUIPMENT

Birns & Sawyer has just announced its **Luxcolormetre**. The analog display is reliable and can be easily calibrated by the user. The color temperature (TC) is displayed in Kelvin, with the scale ranging from 2800K to 9000K. After reading the TC in Kelvin, a conversion table indicates (in mireds) the correction required to obtain 3200K or 5500K. A second table gives the equivalence between mireds and filters, and a third table indicates the color compensation value corresponding to the direct reading in magenta or green.



The Luxcolormetre from Birns & Sawyer.

Hewlett-Packard Co.'s **HP 4286A** is a radio-frequency (RF) LCR meter with a frequency range of 1 GHz. The 4286A measures inductance, capacitance, and resistance using the RF-IV technique; to determine impedance accurately, this technique measures the complex current and voltage drop across a component.

VIDEOTAPES, CASSETTES, AND DISCS

The Ampex 488 HI8 series of tapes has been introduced by Ampex Recording Media Corp. The tapes have an optimized dual-layered tape formulation: the metal-particle layer in the front coat allows for higher output performance, higher packing density, and consistent tape-to-scanner contact, resulting in low error rates and consistent performance. The back coating provides a smooth running tape. The HI8 also includes a cassette shell that delivers low friction and low vibration, ensuring that the tape will run smoothly through the transport. The tape is available in both 60-min and 113-min audio playtime configurations.

For further information regarding the new products and developments listed in this section, contact the companies directly at the addresses listed below:

Ampex Recording Media Corp., 401 Broadway, MS 3A-01, Redwood City, CA 94063-3199, (415) 367-3888; Fax: (415) 367-4669

Antex Electronics Corp., 16100 S. Figueroa St., Gardena, CA 90248, (310) 532-3092; Fax: (310) 532-8509

Audio Precision, P.O. Box 2209, Beaverton, OR 97075-3070, (503) 627-0832; Fax: (503) 641-8906

Birns & Sawyer, Inc., 1026 N. Highland Ave., Hollywood, CA 90038, (213) 466-8211; Fax: (213) 466-7049

BSS Audio, 8500 Balboa Blvd., Northridge, CA 91329, (818) 894-8850; Fax: (818) 830-1220

Dynatech Video Group, 180 Wright Brothers Dr., Salt Lake City, UT 84116, (801) 328-8872; Fax: (801) 328-3668

Faroudja Laboratories, 750 Palomar Ave., Sunnyvale, CA 94086, (408) 735-1492; Fax: (408) 735-8571

Hewlett-Packard Co., Direct Marketing Organization, P.O. Box 58059, MS51L-SJ, Santa Clara, Calif., 95051-8059

JBL Professional, 8500 Balboa Blvd., Northridge, CA 91329, (818) 893-8411; Fax: (818) 893-0358

Pixel Instruments Corp., 718 University Ave., Suite 210, Los Gatos, CA 95030 (408) 354-9122; Fax: (408) 354-0122

Quantum Data, 2111 Big Timber Rd., Elgin, IL 60123, (708) 888-0450; Fax: (708) 888-2802

R-Columbia Products Co., Inc., 2008 St. Johns Ave., Highland Park, IL 60035, (708) 432-7915
Sescom, Inc., 2100 Ward Dr., Henderson, NV 89015-4249, (702) 565-3400; Fax: (702) 565-4828

Silicon Graphics, Inc., 2011 N. Shoreline Blvd., Mountain View, CA 94043

Videomedia, 175 Lewis Rd., San Jose, CA 95111, (408) 227-9977; Fax: (408) 227-6707

Viewgraphics, Inc., 1340 Space Park Way, Mountain View, CA 94043, (415) 903-4900; (415) 969-6388