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# NEW PRODUCTS AND DEVELOPMENTS

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The **Spot SpectraScan™** designed to determine color and intensity of reflected samples, both pulsed and steady state, has been announced by Photo Research, Division of Kollmorgen Corp., 3000 North Hollywood Way, Burbank, CA 91505. Designated the PR-710, the system incorporates a pre-programmed microprocessor with an integral memory. Successive separate measurements can be made by selecting longer integrating times (up to 13 s). Computation of photometric, colorimetric and radiometric parameters can be made in less than one second. Dark current subtraction is accomplished automatically.



The system is comprised of a PR-703 spot optical head with the Macro-Spectar lens, the PR-702A control console and an interconnecting cable. It can scan the visible spectrum and compute the color and intensity of any source of light in near real time due to a multi-element detector/spectrograph system that multiplexes the source output over the spectral range from 390 to 730 nm. Typical applications include spectral and photometric output of displays; transmission of optical filters; flash lamp spectral analysis, source color temperature and others. Price of the PR-710 is \$17,000.



The **DS-50 digital real-time video image processor** has been announced by Quantex Corp., 252 N. Wolfe Rd., Sunnyvale, CA 94086. The DS-50 offers the following real-time image processing functions through its built-in hard-wired computer: averaging, summing, continuous subtraction, contrast stretch, contouring, and edge

enhancement. These functions are achieved in real time with 30 frames/s and on-line if the DS-50 is interfaced to a computer. The DS-50 standard configuration is 512 × 512 pixel resolution, 8-bit A/D conversion, 12-bit memory depth, and computer interfacing through its RAM I/O Port (DMA). Price of the DS-50 is \$31,500.

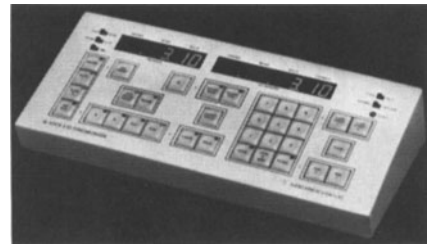


The **PCE-462 color encoder** has been announced by Lenco, Inc., Electronics Division, 300 North Maryland St., Jackson, MO 63755. The device produces an NTSC/EIA color signal from either a 3-channel or 4-channel video source. The fourth, or luminance channel, is optional. The encoder requires Red, Blue, Green, sync, subcarrier and blanking signal inputs. A full or split field color bar generator is incorporated into the PCE-462 to simplify setup and maintain levels without constant readjustment. Low frequency noise and color errors are eliminated by use of input video clamping. Price of the PCE-462 is about \$2,500.

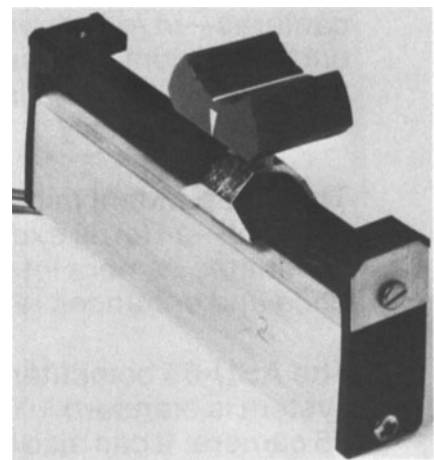
A **6 × 1 vertical interval switcher**, the PSW-367, for use in the Series 300 video test system has been announced by Lenco, Inc., Electronics Division, 300 N. Maryland St., Jackson, MO 63755. The device provides a means of selecting the various output signals from the Lenco Series 300 test signal generators or any other six external video signals not generated in the PFM-300 frame. From the single module, any one of the six external video inputs may be selected by simply pressing the appropriate front panel pushbutton switch on the PSW-367. LED status indicators on the front panel indicate which video source has been selected.

A system for high definition television called **ImageVision™** has been introduced by Compact Video, Inc., 1104 West Chestnut, Burbank, CA 91505. The system is said to more than double the apparent resolution of the usual television image. The system can also be used to shoot movies electronically and transfer them to film, the announcement stated.

The **Q-Lock synchroniser** which offers total control of a multi-machine system using SMPTE/EBU time code has been an-



nounced by Audio Kinetics (UK) Ltd., Kinetic House, Verulam Rd., St. Albans, AL3 4DH, England. The master is a video U-Matic cassette machine; slave 1, a multitrack audio; and slave 2, a two- or four-track. The dedicated software interfaces to each machine are designed or uncompromised performance. Interfaces are available for most audio, video and film machines. Sync routines transfer a minimum amount of flutter from master to slave. Tacho pulses are read at wind speed, eliminating the need for wide band amplifiers and spooling across the heads. The 10-memory cycling autolocator can operate with or without time code preset. The Q-Lock also has an integral multi-standard time code generator capable of 24, 25, 30 and drop frame code generation.



A new and extended range of **3000 series faders** developed to meet criteria for reliable, high performance professional units have been announced by Penny and Giles Conductive Plastics Ltd., Industrial Estate, Pontllanfraith, Blackwood, Gwent NP2 3YD, South Wales. With full environmental shielding, the faders are available with stroke lengths from 65 mm to 104 mm. They offer linear, audio taper or VCA laws and are said to be accurate to ±2 dB with ± dB matching accuracy.