

Friday April 1, 2005

Cypress, CA.... Leader Instruments Corporation introduces a new series of professional video monitoring products; the LV7700 HD/SD-SDI Rasterizer and the LV7720 SD-SDI Rasterizer.

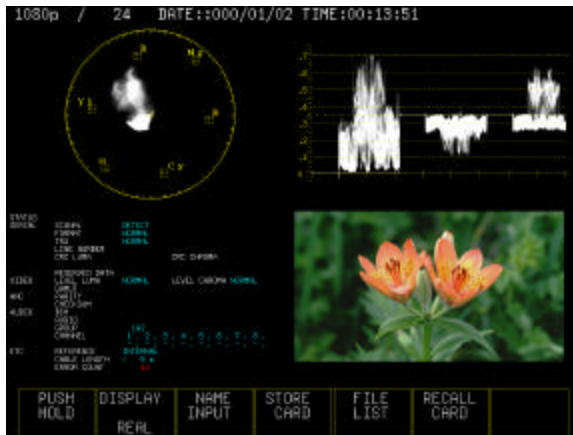
SUMMARY

LV7700 and LV7720 Rasterizers



“The smallest, full featured test package in pro-video today!”

Waveform, vector, picture, audio, status, data analysis and error reporting screens are provided on your monitor in several screen combinations. Test results and test screens are output via a DVI-I connector and can drive VGA/XGA monitors.



Compatible with 17 SD and HD standards, the LV7700 provides for 2 auto-sensing SD/HD inputs (LV7720 only provides for SD inputs). The selected input is reclocked and can be fed to a downstream process. For external reference, the unit accepts tri-level sync or NTSC or PAL blackburst. The instrument can be controlled via front panel or remote controlled via Ethernet.

The operating software for the LV7700 is the same as for the LV5750 and LV5700A; this reduces the learning curve for current LV5700 series owners and allows all customers a choice between a rasterizer (LV7700), a portable instrument (LV5750) or the studio monitor (LV5700A). One test solution in three convenient configurations.

Call 1 (800) 645-5104 or see www.LeaderUSA.com for further details.

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FEATURES

- Multi-Format SD and HD-SDI Rasterizer Conforms To 17 SD & HD Standards; Accommodates 2 SDI Inputs (LV7720 : SD only).
- Waveform, Vector, Audio, Picture And Data Monitoring Functions Can Be Displayed Individually Or In Several Screen Combinations
- XGA Output Provides For Excellent Display Clarity And Resolution
- Extensive Error Detection And Error Logging Facilities Include Gamut Detection And Settable Error Limits
- Digital Analysis Screens Include Data Dump As Well As Equivalent Cable Length Readings Instrument Can Be Controlled Via Front Panel or Ethernet
- All Screens Can Be Captured And Compared To Live; Captured Screens Can Be Saved To A Compact Flash Card For Documentation Purposes.
- DC Powered For Ease Of Use In The Field; AC Adaptor Is Included

OTHER ALTERNATIVES : Model LV5750 adds a built in XGA LCD display in a highly portable package. Model LV5700A (half rack, 3 rack units high) ads a built in XGA LCD display and provides room for additional signal monitoring options (composite signal monitoring, MPEG stream decode and monitor, external audio monitoring, eye pattern monitoring, etc).

FULL STORY

LV7700 and LV7720 Rasterizers

“The smallest, full featured test package in pro-video today!”

Born of the success of our LV5700A Multi-SDI Studio Test Monitor and the LV5750 Multi-SDI Field Test Monitor, the LV7700 brings all of the test features of the award winning LV5750 in a rasterizer (on-screen monitor) package.

Waveform, vector, picture, audio and status/protocol screens are available individually or in several screen combinations. Test results and test screens are output via a DVI-I connector and can drive VGA/XGA monitors. The instrument can be controlled via front panel or remote controlled via Ethernet. And, the entire solution fits in a half-rack wide, one rack unit high space (16 inches deep). It is an ideal solution for locations where a computer monitor already exists (i.e. non-linear edit bays) or for remote monitoring locations.

Compatible with 17 SD and HD standards, the LV7700 provides for 2 auto-sensing SD/HD inputs. The LV7720 is the SD-only version of the LV7700 (all specifications are identical for both units unless otherwise noted). The selected input is reclocked and can be fed to a downstream process. For external reference, the LV7700 accepts tri-level sync or NTSC or PAL black burst (LV7720 : NTSC/PAL black burst only).

All screens can be captured and stored; the captured image can be superimposed on live for comparative purposes; an ideal feature for production, camera shading and level matching applications. Captured screens can be stored to a compact flash card as *.BMP files for documentation purposes. The same feature on the LV5750, has been used in production (set

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and position matching) and in system integration and maintenance for proof-of-performance documentation.

Waveform monitor and vectorscope functions include cursor measurements, filters, gain and timing control for all your pro-video measurement needs. Full line select capabilities aid in detailed signal examination; a data dump showing the actual data for each line can be reviewed in detail and with various data layout options.

The Picture monitor includes various markers for safe action and safe title; as well, aspect ratio markers are available to aid in the production process. The Picture monitor also allows a pixel-by-pixel examination of the picture (zoom function).

The instrument also includes a virtual converter and converts Y, Cb, Cr to a Y, R, G, B and NTSC display to aid in gamut monitoring and assist in the color correction process. Y, R, G, B is shown as a waveform and also as a bar graph Delta display. The Delta display provides a graphical representation of gamut violations and aids in the error correction and color correction process.

Embedded audio monitoring features include sound image monitoring (surround sound application), multi-lissajous image monitoring, bar graphs with settable hold and value displays. The instrument can monitor and display 8 channels at a time and can be set to work with either group 1 (Ch 1 – 8) or group 2 (ch 9 –16).

A variety of protocol parameter monitoring is available and error detection can be turned on and off for individual parameters. Gamut and video level error monitoring is also available and the error levels are user settable. Protocol, gamut and level error logs are maintained; logs can be viewed on the attached monitor (not included), downloaded on the flashcard or through the Ethernet (SNMP).

The instrument is DC powered (XLR DC input connector); 12Vdc, 3A. An AC power adaptor is included; the adaptor accepts universal AC input (100 Vac – 240Vac).

The operating software for the LV7700 is similar to the LV5750 and LV5700A; this reduces the learning curve for current LV5700 series owners and allows video professionals a choice between a rasterizer (LV7700), a portable instrument (LV5750) or the studio monitor (LV5700A). One test solution in three convenient configurations. Contact your Leader representative for dependable advice on the best configuration for your system.

NOTE ON LV7720 : The LV7720 SD Rasterizer is our SD-only solution. It is upgradeable to HD and the upgrade can be done at a later time after purchase. The LV7720's specifications are identical to the LV7700 except where noted.

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Press Release

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