LV5490 MULTI WAVEFORM MONITOR
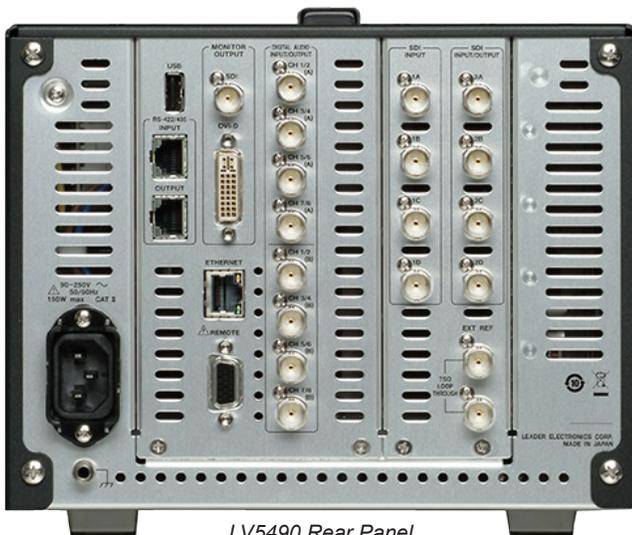## LEADER's First 4K Waveform Monitor

LEADER's award winning LV5490 is a multi-format waveform monitor that supports 4K video. This monitor can accept up to eight SDI input signals and can display up to four signals 3G/HD/SD-SDI signals simultaneously. For 4K video, 3G-SDI Dual Link, 3G-SDI Quad Link, and HD-SDI Quad Link formats are supported. A built-in 9-inch HD (1920 x 1080) LCD monitor provides a wide viewing angle and high color reproduction. In addition, the LV5490 is equipped with a 3G/HD-SDI and DVI-D rasterized output connectors to display on an external high definition video or computer monitor. The display incorporates a new free layout technology that allows the size and position of the different display layouts to be customized with a USB mouse to suit any application.

MAIN FEATURES:

- 4K video format compliance for Digital Cinema (4096 x 2160) or Broadcast (3840 x 2160).
- Accepts 3G/HD/SD SDI signals.
- Up to eight channels of SDI input signals available. Four are dedicated input connectors with cable length measurement capabilities, the other four can be configured as inputs or outputs.
- Can display two 4K signals (3G-SDI Quad Link or HD Quad Link) or four 4K signals (3G-SDI Dual Link).
- Four 3G/HD/SD SDI channels can be monitored simultaneously.

- Two sets of HD-SDI dual link signals can be displayed at the same time.
- OVERLAY function allows the user to overlay multiple inputs for camera matching.
- Built-in HD (LED Backlit) Display (1920 x 1080) for superb picture representations.
- Supports Square Division and 2-sample Interleave Processing Methods.
- DVI-D and 3G/HD-SDI Rasterized Monitor Output.
- SDI re-clocked output.
- 4K/HD Pattern Generator function (75%-100% color bars, ramp, cross-hatch, 10-step, and others)

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MAIN FEATURES (cont.):

- Waveform, Vector, Picture can be displayed individually or in combination.
- CINELITE® II included as standard.
- CIE1931/1976 Chromaticity Diagram based on the standard ITU BT.709, DCI, and ITU BT.2020 is available as an option.
- Focus Assist option is available to assist in focusing on small objects or when the scene is low in contrast.
- An user-customizable layout allows the user to change the size and position of the waveform, vector, picture, etc. to customize the display.
- SDI signal data analysis function allows for cable length measurement, CRC and embedded audio error detection, event log, data dump, timing display, etc.
- Frequency Deviation measurement is standard. This feature detects any difference in the frequency of each SDI input signal.

- 4-input Phase Measurement checks the difference between a reference signal or an external reference signal and the other input signals (Timing Display).
- The Digital Audio option de-embeds the audio from an SDI signal and displays Lissajous, surround sound and level meter (8 or 16 channels).
- 16 channels of digital audio can be output from one SDI signal (Digital Audio Option).
- Frame Capture feature allows the LV5490 to capture a frame of video for analysis.
- Screen Capture feature allows the LV5490 to capture the display as bitmap file and store the image on a USB device.
- External remote connector can be used to load presets, switch input signals, and transmit alarms.
- RS422/485 connector is included.
- Ethernet port connectivity for remote operation through TELNET, FTP, SNMP, or HTTP protocols.
- USB mouse operation allows the user to control the LV5490 remotely (KVM capable).

AVAILABLE ACCESSORIES:

- Rack Mount (LR-2490)
- Blank Panel (LC-2190)

LR-2490 Rack Mount and LC-2190 Blank Panel

LV5490 Rear Panel

- **DIMENSIONS (W x H x D):**
  8.77" x 7.44" x 14.17"
  (223mm x 189mm x 360mm)

- **WEIGHT:**   4.72 Kg (10.4 lbs)

AVAILABLE OPTIONS:

- Eye Pattern and Jitter Measurement Option (LV5490-OP02)
- Digital Audio Option (LV5490-OP03)
- Dolby Option
- Focus Assist Option (LV5490-OP04)
- CIE1931 Chromaticity Diagram Option (LV5490-OP05)