

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



The LV5490 is a waveform monitor supporting 4K video format. It can display up to four channels of 3G-SDI input signals simultaneously. Eight channels of inputs are available, four are dedicated input connectors with cable length measurement capability, the other four channels are configurable as inputs or outputs with pattern generator functions. The built-in 9-inch LCD monitor is Full HD (1920 x 1080) with wide viewing angle and high color reproduction.

### 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.
- Four 3G/HD/SD SDI channels can be monitored simultaneously, ideal for camera matching.
- OVERLAY function capability.
- It can display two sets of HD-SDI dual link signals at the same time.
- 3G-SDI signal can be dual link or quad link for 4K.
- Can display two 4K signals (3G-SDI Quad Link) or four 4K signals (3G-SDI Dual Link).
- Built-in Full HD (XGA IPS LED Backlit) Display (1920 x 1080) for superb picture representations.
- Accepts Square Division and 2-sample Interleave Processing Methods.
- DVI-D and HD-SDI Monitor Output and SDI re-clocked output.
- 4K/HD Pattern Generator function (75%-100% color bars, ramp, cross-hatch, 10-step, and others)

## MAIN FEATURES (cont.):

- Waveform, vector, picture can be displayed individually or in combination.
- CINELITE® II (4Q-2014).
- CIE1931 Chromaticity Diagram based on the standard ITU BT.2020 is available as an option.
- Focus Assist (patent pending) available for a more accurate focus of details in small objects or when the scene is low in contrast.
- Custom User-defined Layout. Allows the user to change and customize the size of each of the display screens.
- SDI signal data analysis function allows for cable length measurement, CRC error, embedded audio error, event log, data dump, timing display, etc.
- Frequency Deviation 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.
- The Digital Audio option de-embeds the audio from an SDI signal and displays Lissajous, surround sound and meter displays.
- 16 channels of digital audio can be output from one SDI signal (Digital Audio Option).
- Frame Capture function.
- Screen Capture feature. The display can be captured and stored as an image data. The captured data can be displayed on the LV5490. It can also be saved as bitmap files to USB memory, which makes it possible to view the data on a PC.
- External remote connector.
- RJ-45 connector is optional.
- An USB mouse can be used to control the LV5490 remotely.



LV5490 Rear Panel

## AVAILABLE OPTIONS:

- Eye Pattern and Jitter Measurement Option
- Digital Audio Option
- Dolby® Option
- Focus Assist Option
- CIE1931 Chromaticity Diagram Option

## AVAILABLE ACCESSORIES:

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



LR-2490 Rack Mount and LC-2190 Blank 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)