



Compact, Slim & Lightweight Multi-SDI Test Monitor

The LV 5330 is a compact and lightweight multi-SDI test monitor specifically designed for oncamera and portable applications. Picture, waveform, vector, audio and status screens can be displayed individually or in multi-screen representations. The instrument is also equipped with on-picture measurement functions, Cinelite and Cinezone, and helps facilitate measurements that are easily understood by both technical and operations personnel. High-accuracy measurement and monitoring facilities also include settable error level monitoring and alarms as well as extensive data analysis. A screen capture function facilitates communication between production and post production personnel and aids in project documentation.

FEATURES

- Two Serial Digital Inputs

Two SDI input connectors (channels A and B) support HD-SDI and SD-SDI signals. The selected SDI input is passed through an SDI output connector to facilitate switched monitor output operation.

- Display

A built-in 6.5-inch XGA TFT LCD (1,024x768) provides brilliant and clear representations of waveforms, vectors, pictures, audio level meters, status, etc. The multi-screen feature allows these displays to be shown simultaneously in tiled windows.

- Picture display

Brightness, contrast, and saturation is adjustable and aspect ratio, safe action and safe title markers can be displayed. The edge enhancement feature provides visual assistance with focus.

- Cinelite II (Cinelite and Cinezone)

The Cinelite on-picture measurement feature displays the luminance of any three user definable points and provides luminance measurements in %, RGB levels (or %) as well as in f-stops. The Cinezone feature uses false-colors to represent luminance values on the display enabling quick confirmation of the luminance distribution levels on the display.

- Waveform Monitoring

Parade, overlay, Y Cr Cr, RGB, and pseudo-composite displays are available.

- Vectorscope

Vectorscope display is available and accommodates both 75 % and 100 % saturation levels; pseudo-composite vectorscope display is also available.

- 5 Bar Display

The 5 Bar display enables simultaneous monitoring of component and composite gamut.

- Line Selector

Selects any line of the video signal to be displayed and provides waveform, vector and 5-bar representations of the selected line. A line marker on the picture facilitates visual selection of the appropriate line.

- Audio Level Meter

Up to 8 channels of embedded audio signals can be displayed using audio bar level meters.

*The SD-SDI audio quantization precision is up to 20 bits.

- Viewfinder

The camera's composite video output (in NTSC or PAL) can be shown on the picture display. The edge enhancement feature assists you in focusing the camera.

- Screen Capture

The displayed screen can be captured and saved to internal memory or USB memory.

- Extensive Analysis Features

- Various types of error detection
- SDI signal event log
- Digital data dump

- Flexible Control

- Instrument can be remote controlled from a PC over an Ethernet network.
- Internal memory holds up to 30 presets allowing quick access to your favorite instrument setups. Personalize your LV 5330 by loading your own custom presets via USB thumb-drive.

- External Synchronization

Accepts tri-level sync or NTSC/PAL black burst signals.

- Stereo Headphone Output

Extracts embedded audio signals and sends 2 user selectable audio channels to the headphone jack.

- Panel LED Illumination

You can illuminate all of the panel keys; a useful feature when working in a dark environment.

- Power Supply

XLR DC input connector is provided; accepts 12Vdc- 18Vdc. A V-mount battery adapter is also available as a factory option.

- Tripod Mounting

A Screw(1/4,in) hole attaching a camera tripod is provided on the bottom panel of the LV 5330.

- Battery Mount (Factory Option)

A battery adapter can be installed on the rear panel as a factory option.

- BATTERY MOUNT IDX (V-MOUNT)*1

- BATTERY MOUNT ANTON (AntonBauer)

*1 To be supported in the future

Video Formats and Corresponding Standards

Format	Corresponding Standard
1 1080i60	
2 1080i59.94	
3 1080i50	
4 1080p/30	SMPTE 274M, 292M
5 1080p/29.97	
6 1080p/25	
7 1080p/24	
8 1080p/23.98	
9 1080pF/30	
10 1080pF/29.97	
11 1080pF/25	SMPTE RP211, 292M
12 1080pF/24	
13 1080pF/23.98	
14 720p/60	
15 720p/59.94	
16 720p/50	
17 720p/30	
18 720p/29.97	SMPTE 296M, 292M
19 720p/25	
20 720p/24	
21 720p/23.98	
22 525i/59.94	
23 625/50	SMPTE 259M

Other Standards**Ancillary Data Standard****Embedded Audio Standard****Format Setting****Format Setting****Sampling Frequency****External Synchronization****Input/Output Connectors****SDI Input****Input Connector****External Reference Input****Input Signal****Input Connector****SDI Output****Output Connector****Output Voltage****Headphone Output****Output Signal****Sampling Frequency****Output Connector****USB Memory****Function****Remote Control****Function****Connector****Ethernet****Function****Type:****Viewfinder Input****Function****Input Signal****Input Connector****Picture Display****HDTV Display****SDTV Display****Display****Frame Rate****Marker Display****Adjustment:****Cinelite Display****f-STOP:****Measurement points****Reference****%DISPLAY****Measurement points****Measurement areas****GAMMA****0.45****USER 1-3****USER A-E****On Picture Level Indicator****Cinezone Display****Screen****UPPER****LOWER****Display Form****Display Size****1 Screen Display****2 Screen Display****4 Screen Display**

Audio level display or status display selectable in addition to waveform display, vectorscope display, and picture display

Overlay and parade

Displays by calculating Y-C_R and Y-C_B
Uses bowtie signals (authorized by Tektronix, Inc.)

Show or hide selectable

Converts Y, C_R, C_B signals into G, B, R and displays the result

Digitally converts component signals into composite signals and displays the result
The G, B, R order or R, G, B order selectable for G, B, R conversion display

x1, x5, or variable selectable
x0.2 to x2.0 at the x1 setting, x1.0 to x10.0 at the x5 setting

≤ ±0.5 %

≤ ±0.5 % 1 to 30 MHz

≤ ±0.5 % 0.5 to 15 MHz

≤ ±0.5 % 1 to 5.75 MHz

≤ ±0.5 % 0.5 to 2.75 MHz

x1 or x10 selectable

x1, x20, or x40 selectable

2 (REF and DELTA)

2 (REF and DELTA)

Measures in % or V

Measures in usec or msec

Displays the frequency by assuming the interval between the cursors to be one period

Indicates the value corresponding to the peak chrominance signal of the 75 % color bar.

Vectorscope Display

75 % or 100 % selectable

x1, x5, IQ-MAG, or variable selectable

x0.2 to x2.0 at the x1 setting, x1.0 to x10.0 at the x5 setting

≤ ±0.5 %

Show or hide selectable

Digitally converts component signals into composite signals and displays the result

5 Bar Display

Displays the peak levels of Y, R, G, B, and composite

Embedded Audio Display

8-channel simultaneous display

60 dB peak level or 90 dB peak level

Select any two groups from groups 1, 2, 3, and 4

Mapping to L, R, SL(S), SR, C, LFE, RL, RR

Viewfinder

Full-screen display

Brightness, contrast, chroma, aperture

Status**Data Dump Display**

Dumps data by serial data sequence or by channel

Stores up to 1,000 events

To USB memory or over an Ethernet network

Screen Capture

Captures the displayed screen

Superimposes the input signal over an image from memory

Presets

30

Other Display Features

6.5-inch color LCD

High or low selectable

Format, color system, date, time

Illuminates all keys

LCD**Backlight brightness****Screen Display****Panel LED Illumination****Environmental Conditions**

0 to 40 °C

≤ 85 %RH (no condensation)

Indoors, or outdoors with no rain

1

2

Operating Temperature**Operating Humidity Range****Operating Environment****Overscan Category****Pollution Degree****Power Requirements**

12 VDC (10 to 18 V), 18 Wmax.

Dimensions and Weight

215 (W) x128 (H) x 63 (D) mm (excluding projections), 1.3 kg

8 1/2 (W) x 5 3/4 (H) x 2 31/64(D) in. 2.9 lbs

Accessory

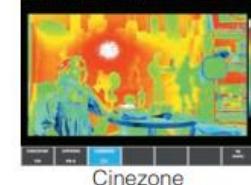
Instruction manual.....1

Option Sold Separately

AC adapter LP 1960

Cinelite II

Cinelite



Cinezone