

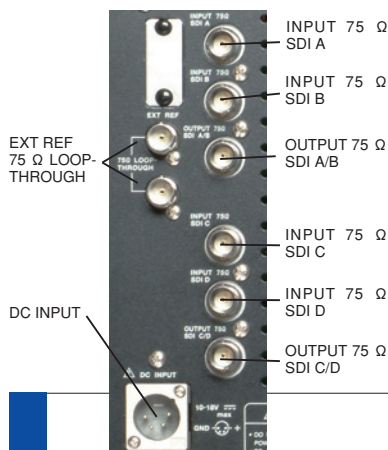
MULTI SDI MONITOR

LV 5980

LEADER

New

REAR PANEL



Stand sold separately.
(LC 2160)

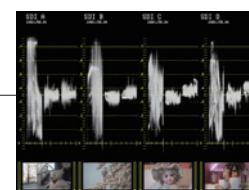
HD-SDI

SD-SDI

3D

**CiNELITE II
INSIDE**

CE
Upon request



(4 Inputs Display)

17-inch Display Multi SDI Monitor (4 Inputs)

The LV 5980 is a waveform monitor with a 17-inch TFT display that can be used to monitor up to four SDI signals simultaneously. It is optimized for the level adjustment of the outputs of multiple installed cameras. In the video signal waveform display, vector display, and picture display, multiple input signals can be displayed on top of each other or lined up next to each other. It is also full of useful features such as a level meter display for embedded audio, an error display that indicates transmission errors, and a 5-bar display that shows video signal peak levels using five bars. Furthermore, the LV 5980 can show different combinations of these displays in its multi-screen display.

FEATURES

• Simultaneous Monitoring of Four Inputs

It can display up to four SDI input signals of the same format simultaneously.

• 3D-Assist Display

Displays such as anaglyph, convergence, overlay, and wipe can be used to evaluate 3D video signals.

• Wide Variety of Display Formats

In the video signal waveform display, vector display, and picture display, the LV 5980 can display up to four input SDI signals on top of each other or side by side. This makes it suitable for adjusting the gain and black balance values of multiple cameras. In the video signal waveform and vector displays, the LV 5980 can make different waveforms easier to see by using a different waveform color for each input channel.

• Extremely Flexible Display Layouts

Each of the different displays can be shown on a single screen, or the multi-screen display feature can be used to divide the screen into four areas with a different display shown in each area. The video signal waveform display, picture display, and audio level meter display can be shown as a thumbnail display on the one-screen display.

• Video Signal Waveform Display

The input Y C_B C_R signal can be converted to an RGB or pseudo-composite signal and shown on the video signal waveform display. The video signal waveform display has a rich assortment of features such as waveform magnification and line selection.

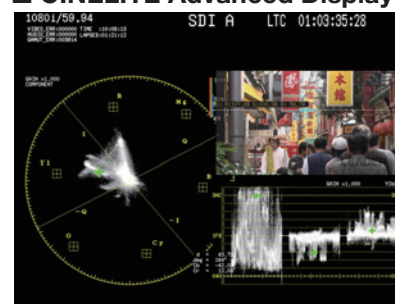
• Picture Display

The picture display has a wide variety of picture monitoring features, such as color temperature specification; brightness, contrast, and aperture adjustment; and the display of gamut error location.

• Standard-Equipped CINELITE II / CINELITE Advanced

The CINELITE feature makes it easy to manage the levels of specific points on the picture display. This is useful for adjusting the gain of multiple cameras through the use of the same reference point. The CINEZONE feature makes it possible to check the luminance distribution of the whole picture display at a glance.

■ CINELITE Advanced Display



NEW

Synchronizes the markers on the vector display or waveform display to the measurement points of the CINELITE display's f Stop display or % display

• Screen Capture Feature

The display can be captured and stored as image data. The captured data can be displayed on the LV 5980. Additionally, it can be saved as bitmap files to USB memory, which makes it possible to view the data on a PC.

• External Sync Signal Input

The LV 5980 can receive a tri-level sync signal or an NTSC or PAL black burst signal as its external sync signal and then display video signal waveforms with this sync signal as its reference.

• Presets

Stores up to 30 front panel presets.

• Last Memory

• 75 mm and 100 mm VESA Compliant Mounting Holes

• Battery Mount (Sold separately)

• Options

Remote and Tally (Factory Option)

LV 5980 SPECIFICATIONS

Video Signal Formats and Standards				
Single Link System Video				
Color System	Quantization	Format		Corresponding Standard
Y,C _B ,C _R 4:2:2	10 bit	Scanning	Frame (Field) Rates	SMPTE ST 274 SMPTE ST 292
		1080i	60/59.94/50	
		1080p	30/29.97/25/24/23.98	
		1080PsF		SMPTE ST 296 SMPTE ST 292
		720p	60/59.94/50/ 30/29.97/25/24/23.98	
		525i	59.94	
625i	50	SMPTE ST 259		
Dual Link System Video				
Color System	Quantization	mFormat		Corresponding Standard
GBR 4:4:4	10 bit	Scanning	Frame (Field) Rates	SMPTE ST 372 (1920x1080)
		1080p	30/29.97/25/24/23.98	
		1080PsF		
	1080i	60/59.94/50		
	12 bit	1080p	30/29.97/25/24/23.98	
		1080PsF		
1080i		60/59.94/50		
Y,C _B ,C _R 4:2:2	10 bit	1080p	60/59.94/50	
		1080p	30/29.97/25/24/23.98	
	12 bit	1080PsF	30/29.97/25/24/23.98	
1080i		60/59.94/50		
GBR 4:4:4 (2K)	12 bit	1080p	24/23.98	SMPTE ST 372 (2048x1080)
Audio Playback Compliant Standards Quantization Synchronization		SMPTE ST 299 (HD-SDI),SMPTE ST 272 (SD-SDI) 24 bits All audio channels must be synchronized to the video clock.		
Input/Output Connectors SDI Input Input Connectors SDI Output Output Connectors Output Signal		4 BNC connectors (channels A, B, C, and D) 2 BNC connectors SDI signal selected from channel A or B is reclocked and generated SDI signal selected from channel C or D is reclocked and generated		
External Sync Input Input Signal Headphone Output Output Connector		Tri-level sync or NTSC/PAL black burst signal 1 stereo miniature jack		
Control Connectors USB Port Specification		USB 2.0		
LCD LCD Type		17-inch color TFT		
Screen Capture Screen Capture		Captures the screen to an image file (only one screen capture is stored in internal memory)		
Preset Settings Preset		30		
Waveform Display Simultaneous Waveform Operation Display Mode Blanking Period RGB Conversion Pseudo-Composite Display Line Select		Input Mode Display Format: Mixed, tiled, aligned Overlay, parade H and V blanking periods can be displayed or hidden. Converts a Y,C _B ,C _R signal into an RGB signal and displays the result Artificially converts a component signal into a composite signal Displays the selected line		
Cursor Measurement Configuration Amplitude Measurement Time Measurement Scale Type		Horizontal cursors: 2 cursors (REF and DELTA) Vertical cursors: 2 cursors (REF and DELTA) Measured in [%] , [V] , [R%] Displayed in [usec] or [msec] % scale, V scale, decimal scale, hexadecimal scale		
Vectorscope Display Simultaneous Input Mode Display Format Pseudo-Composite Display		Mixed, tiled Artificially converts a component signal into a composite signal		
Scal Type Setting the Color Bar Saturation IQ Axis		ITU-R BT.601, ITU-R BT.709, AUTO 75 %, 100 % Show, hide		
Embedded Audio Display Display Type Level Meter Display		Level meter, level values, Lissajous		

Displayed Channels Meter	Two, eight 60 dB peak level, 90 dB peak level, average (the peak level meter has a hold feature) Displays volume levels as dB values Lissajous Display
Numeric Display	Two (single), eight (multi) X-Y, MATRIX
Displayed Channels Display Mode Channel Selection Single Input Mode Simultaneous Input Mode	Any two groups from groups 1, 2, 3, and 4 One AES/EBU pair per input channel
5 Bar Display Simultaneous Input Mode Display Format Bar Display	Tiled only Displays the peak levels of Y, R, G, B and composite
Picture Display Color Temperature Image Quality Adjustment Display Sizes Color Aspect Display Marker HD-SDI SD-SDI Gamut Error Display	6500 K, 9300 K Brightness, contrast, chroma gain, RGB gain, RGB bias, aperture Fit, full frame, real, 4:3 full screen R, G, B can be turned off separately. Chroma off 4:3, 13:9, 14:9, 2.39:1 13:9, 14:9, 16:9 Displays gamut error locations over the picture
Status Display Error Detection SDI Video Audio Gamut Event Log Recording Capacity Operation Data Dump Operation Mode Phase Difference Display Function	Detects the presence of an SDI signal CRC Error, EDH Error, Phase Difference Error CRC Error, BCH Error, Gamut Error, Composite Gamut Error, Luminance Error Up to 1000 events Records all events from start to finish Run, hold Displays the phase difference between the external sync signal and the SDI signal (does not function when the video format is 1080p/60, 59.94, or 50) Displays the phase difference between channels A and B or between channels C and D
3D-Assist Display Supported Format Input Connector Video Signal for the Left Eye Video Signal for the Right Eye	HD-SDI (single link) Channel A or channel B Channel C or channel D Side by side, top and bottom Ach, Bch, Cch, Dch Anaglyph Display (Color), Anaglyph Display (Monochrome), Convergence Display, Overlay Display, Checkerboard Display, Wipe Display, Flicker Display, Inverted Display, Grid Display
Picture Display	
CINELITE Display CINELITE Display Features % Display Gradient Display	f Stop display, percentage display, and gradient display Luminance or RGB components are displayed as percentages. RGB components are displayed using an 8-bit, 256-step gradient.
CINEZONE Display Feature	Colors are added to the display in accordance with luminance levels
CINELITE Advanced Display Features Synchronized Marker Display	Synchronized marker display, vector marker display Synchronizes the markers on the vector display or waveform display to the measurement points of the CINELITE display's f Stop display or % display
Vector Marker Display	Displays numerically the specified position on the vector display
Other Display Settings Input Information Display Time Code	Input channel, ID, OFF LTC, VITC, OFF
Environmental Conditions Operating Temperature Range Operating Humidity Range	0 to 40 °C ≤ 85 %RH (without condensation)
Power Requirements	10 to 18 VDC, 60 W max.
Dimensions	425 (W) x 352 (H) x 95.0 (D) mm 16 3/4(W) x 13 7/8(H) x 3 3/4(D) inch. (excluding projections)
Weight	5.2 kg 11.46 lbs
Accessories	AC adapter (SPU100-105) 1 Instruction manual 1
Optional Accessories	Tilt stand (LC 2160) Rack support (LR 2755) LCD protection panel (LC 2132) Battery mount Refer also to the accessory page.