

MULTI SDI/HDMI MONITOR

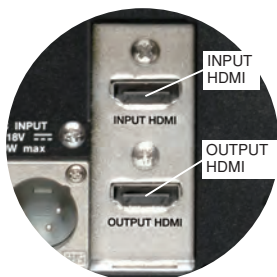
LV 5382

LEADER



Upon request

REAR PANEL



HDMI®

HD-SDI

SD-SDI

3D

4U size
(half Rack)

CINELITE II INSIDE

Multi SDI/HDMI Monitor

The LV 5382 is a portable waveform monitor that supports SDI and HDMI signals.*1 The LV 5382 has simultaneous HD-SDI dual input display features and supports HDMI frame-packing, side-by-side, and top-and-bottom formats. A battery option is also available. Thanks to these features, the LV 5382 is incredibly useful at 3D filming locations.

*1 HDCP is not supported.

FEATURES

• Features Tailored to 3D Filming

The LV 5382 can handle 3D content with its support for HD-SDI 2-channel simultaneous display and HDMI frame-packing, side-by-side, and top-and-bottom formats. The LV 5382 has a number of features that are useful for evaluating 3D content. The anaglyph display enables easy expression of stereoscopic vision. The variable grid display is for horizon and parallax checking. The vertical and horizontal reversal feature is necessary when using a mirror rig.

• SDI and HDMI I/O Connectors and the SDI to HDMI Conversion Feature

The LV 5382 has two SDI input connectors, two relocked SDI signal output connectors, an HDMI input connector, and an HDMI output connector. The HDMI output connector can actively transmit an HDMI input signal or output an HDMI signal that has been converted from an SDI signal.

• High-Quality TFT LCD

Employs an XGA TFT LCD (1,024 x 768) that produces high-quality picture displays.

• Versatile Picture Display

The LV 5382 uses fully digital picture display processing to achieve high precision and versatility. The display has a number of adjustment features such as color temperature selection, brightness adjustment, contrast adjustment, gain adjustment, and bias adjustment. It also has monochrome, chroma up, gamut error, and safety marker display features.

• Standard-Equipped CINELITE II*2 / 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

*2 This feature is not available for HDMI signals.

• Screen Capture Feature

The display can be captured and stored as still-image data. The captured data can be displayed on the LV 5382. Additionally, it can be saved as bitmap files to USB memory, which makes it possible to view the data on a PC.

• External Sync Input*3

The LV 5382 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.

*3 This feature is not available for HDMI signals.

• Preset Feature

Stores up to 30 front preset panel.

• Last Memory Feature

The LV 5382 always keeps a backup of the current settings. When the LV 5382 is restarted, it can be used with the same settings that were in use before it was turned off.

• ID Display

IDs can be assigned to input signals. IDs are entered from the LV 5382 panel.

• Stereo Headphone Output

The LV 5382 can deliver the embedded audio of an SDI signal or HDMI signal in stereo through the headphone output jacks.

OP72 : Remote and Tally factory option

The addition of the remote and tally option enables the LV 5382 to load presets and display tallies according to the signals that it receives through the rear-panel remote control connector. This makes it possible to link the LV 5382 to a switcher or other device.

OP73 or OP74 : Battery Mount factory option

The addition of the battery mount option enables the LV 5382 to use IDX (OP73) or Anton/Bauer (OP74) batteries.

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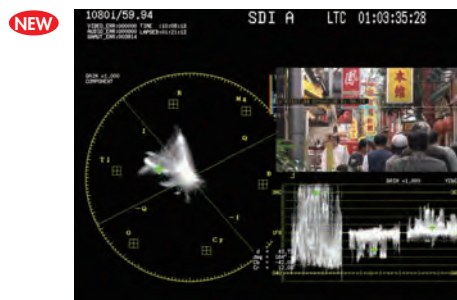
SDI Input Signal Formats and Standards 2D Mode (Single-link system)				
Color System	Quantization	Format		Corresponding Standard
		Scanning	Frame (Field) Rates	
Y, C _B , C _R 4:2:2	10 bit	1080i	60/59.94/50	SMPTE ST 274 SMPTE ST 292
		1080p	30/29.97/25/24/23.98	
		1080PsF *1		
		720p *2	60/59.94/50/ 30/29.97/25/24/23.98	SMPTE ST 296 SMPTE ST 292
		525i	59.94	SMPTE ST 259
625i	50			
2D Mode (Dual-link system)				
Color System	Quantization	Format		Corresponding Standard
		Scanning	Frame (Field) Rates	
RGB 4:4:4	10 bit	1080p	30/29.97/25/24/23.98	SMPTE ST 372 (1920x1080)
		1080PsF *1		
		1080i		
	12 bit	1080p	30/29.97/25/24/23.98	
		1080PsF *1		
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 *1	60/59.94/50	
1080i				
RGB 4:4:4 (2K)	12 bit	1080p *2	24/23.98	SMPTE ST 372 (2048x1080)
		1080PsF *2	24/23.98	
3D Assist Mode				
Color System	Quantization	Scanning	Frame (Field) Rates	
Y, C _B , C _R 4:2:2	10 bit	1080i	60/59.94/50	
		1080p	30/29.97/25/24/23.98	
		1080PsF *1		
		720p *2	60/59.94/50/ 30/29.97/25/24/23.98	
*1 The HDMI output is interlaced. You cannot output formats with frame rates of 24 Hz or 23.98 Hz as HDMI signals. *2 You cannot output formats with frame rates of 24 Hz or 23.98 Hz as HDMI signals.				
HDMI Input Signal Video Formats 2D Mode				
Color System	Quantization	Scanning	Frame (Field) Rates	
RGB 4:4:4 Y, C _B , C _R 4:2:2 *3	12bit	1920x1080p	30/29.97/25/24/23.98	
		1920x1080i	60/59.94/50	
		1280x720p*4	60/59.94/50/30/29.97/25	
		640x480p*5	60/59.94	
	720x480p(525p)*5			
	10 bit	720x576p(625p)*5	50	
		720x480i(525i)*4	60/59.94	
		8 bit	720x576i(625i)*4	50
3D Assist Mode				
Color System	Quantization	Scanning	Frame (Field) Rates	
RGB 4:4:4 *4 Y, C _B , C _R 4:2:2	12bit *4	1920x1080p	30/29.97/25/24/23.98	
		1920x1080i	60/59.94/50	
	10 bit	1280x720p	60/59.94/50/30/29.97/25	
		8 bit		
*3 The LV 5382 cannot distinguish between 8-bit, 10-bit, and 12-bit quantization. *4 The signal is converted to a YC _B C _R 4:2:2 10 bit signal through internal processing. *5 The pseudo-composite display, YC _B C _R to RGB conversion display, vector display, and 5-bar display are not available.				
SDI/HDMI I/O Features Input System Options SDI Input Features SDI Input Display Modes SDI Output Features Output Signal HDMI Input Features HDMI Input Identification HDMI Output Features Output Signal				
SDI / HDMI		2D / 3D assist		
Serial relocked input SDI signal (for monitoring)		AUTO, 2D, and 3D assist		
Output of HDMI or SDI video and audio input signals (1080PsF/24, 23.98 and 720p/24, 23.98 cannot be output)				
SDI Signal Audio Format SDI Standards Formats Sampling Frequency				
SMPTE ST 299, SMPTE ST 272		L-PCM 48 kHz		

Quantization	24 bit * When the link format is set to SDI dual, the LV 5382 only supports the audio signal received through link A.
HDMI Signal Audio Format Formats Sampling Frequency Quantization Number of Channels	L-PCM 48 kHz 16 bit, 20 bit, 24 bit 8 channels
Input/Output Connectors SDI Input Input Connectors SDI Output Output Connectors HDMI Input Input Connector HDMI Output Output Connector External Sync Input *6 Feature	2 BNC connectors 2 BNC connectors 1 type A connector 1 type A connector A video signal waveform is displayed that is based on the phase of the external sync signal. (Only available for SDI signals.) Tri-level sync or NTSC/PAL black burst signal 2 BNC connectors
Input Signal Input Connectors Headphone Output Output Signal	Extracts and transmits the audio signal embedded in an SDI signal or HDMI signal. *6 If the video signal waveform is displayed using an external sync signal as the reference, inserting or removing an SDI signal or restarting the device may cause the waveform phase to be off by one clock. Also, this feature does not function with 1080p/60, 59.94, 50 SDI signals or HDMI signals.
Control Connectors USB Port Specification Remote Control Connector (When an OP72 is installed) Features	USB 2.0 Comprehensive preset recall, *7 tally display, and input signal selection (either the tally display feature [green] or the HDMI selection feature can be selected) *7 Display mode presets cannot be recalled.
LCD LCD Panel Type	8.4-inch color TFT
Screen Capture Screen Capture	Captures the screen to an image file (only one screen capture is stored in internal memory)
Preset	Stores up to 30 front panel presets.
Main Display Features SDI Input Modes	Single input mode, simultaneous input mode, 3D assist mode
Single Input Mode Dual Input Mode	Displays a single input signal Displays up to two input signals of the same format simultaneously
3D Assist Mode	Displays two input signals of the same format simultaneously
HDMI Input Modes 2D Mode	2D mode and 3D assist mode Displays the HDMI input signal as a single video signal
3D Assist Mode	Divides the HDMI input signal into two video signals and displays the signals in a variety of formats so that the signals can be compared as components of a 3D video signal
Waveform Display Simultaneous Input Mode Display Format	Mixed *8, tiled, aligned
Waveform Operations Display Modes Overlay Parade RGB Conversion	Overlay, parade Displays component signals side by side Converts a YC _B C _R signal into an RGB signal and displays the result
Pseudo-Composite Display	Artificially converts a component signal into a composite signal Displayed in GBR or RGB order (selectable when RGB conversion is enabled)
Channel Assignment	Displays the selected line
Line Select Sweep Modes	H (line), V (field/frame) (V cannot be selected in simultaneous input mode)
Cursor Measurement Composition	Two horizontal cursors (REF and DELTA) Two vertical cursors (REF and DELTA)
Amplitude Measurement	%, V, or R%

Type	% scale, V scale, decimal scale, hexadecimal scale *8 In dual input mode and 3D assist mode, the waveform display will flicker when the input video signal has a field or frame rate of 50, 25, 24, or 23.98 Hz.
Vectorscope Display Dual Input Mode Display Pseudo-Composite Display Scale Setting the Color Bar Saturation IQ Axis	Formats Mixed *9, tiled Artificially converts a component signal into a composite signal 75 %, 100 % Show, hide *9 In dual input mode and 3D assist mode, the waveform display will flicker when the input video signal has a field or frame rate of 50, 25, 24, or 23.98 Hz.
5Bar Display Function Channel Assignment Scale	Displays the peak levels of Y, R, G, B and composite RGB, GBR mV, %
Picture Display Dual Input Input Mode Display Color Temperature Image Quality Adjustment Display Sizes Color Selection Aspect Marker Aspect Marker Format Safety Marker Size	Display Format Mixed, tiled 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 Line, shadow (99 levels), mask ARIB TR-B4, SMPTE ST RP-218, user-defined
3D Assist Display Supported Format SDI input HDMI input Channel Assignment for Left Eye Video Right Eye Video Picture Display	L/R dual, side by side, and top and bottom (only supported with a single link) Frame packing, half side by side, and top and bottom SDI L/R Dual Input Channel A Channel B Anaglyph Display (Color), Anaglyph Display (Monochrome), Convergence Display, Overlay Display, Checker Display, Wipe Display, Flicker Display, Inverted Display, Grid Display
CINELITE Display CINELITE Display Features % Display Gradient Display CINEZONE Display Feature CINELITE Advanced Display Feature Synchronized Marker Display Vector Marker 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. Colors are added to the display in accordance with luminance levels 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 Displays numerically the specified position on the vector display * The CINELITE feature is not available for HDMI signals.
Embedded Audio Display Display Type Level Meter Display Displayed Channels Meter Channel Selection SDI single Input Mode SDI Dual Input Mode HDMI Input	Level meter, Level values, Lissajous 2ch or 8ch 60 dB peak level, 90 dB peak level, average(The peak level meter has a hold feature.) Any two groups from groups 1, 2, 3, and 4 One group and four channels per input channel Up to 8 channels
SDI Error Counting Feature	Counts the video, audio, and gamut errors in an SDI signal (not available for HDMI input)
SDI Status Display Error Detection	

Monitoring Feature SDI Video Audio Gamut Gamut Error Event Log Recording Capacity Data Dump Operation Mode Phase Difference Display Function	Regardless of the input mode, you can monitor two inputs simultaneously (not available for HDMI input) Detects the presence of an SDI signal CRC Error, EDH Error, Phase Error CRC Error, BCH Error, BCH Error Gamut Error, Gamut Error, Detects gamut errors, Composite Gamut Error, Luminance Error Up to 1000 events 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)
Other Display Settings Input Information Display Input Channel Display ID Display Time Code Compliant Standard Format Display	Input channel, ID Displays the selected channel (A, B, or HDMI) Up to 10 characters for each input channel LTC, VITC, OFF SMPTE 12M-2 (decoded from ANC-TC)(When the link format is set to dual, only link A is decoded.) The format can be displayed when an SDI or HDMI signal is detected.
Environmental Conditions Operating Temperature Operating Humidity	0 to 40 °C 85 %RH or less (no condensation)
Power Requirements Voltage Power Consumption	10 to 18 VDC 40 W max.
Dimensions and weight	215 (W) x 176 (H) x 85 (D) mm 2.1 kg 8 1/2(W)x6 7/8(H)x3 3/8(D) inch. (excluding projections)
Accessories	Instruction manual 1 VESA spacer 1 15-pin D-sub connector(OP72) 1 15-pin D-sub connector cover(OP72) 1
Option Sold Separately AC adapter Rack Mounting Adapter Handle Tilt stand	SPU63-105 LR 2751 LH 2140 LC 2150 Refer also to the accessory page.

■ CINELITE Advanced Display



■ REAR PANEL

