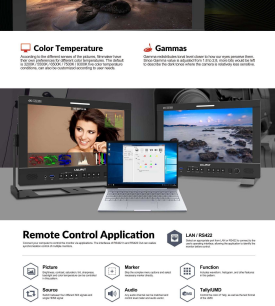
LILLIPUT

12G-SDI

13.3" Studio / Broadcast Monitor

Ultra HD 4K 60Hz 4:2:2 10bit 12G-SDI Monitor with Waveform, Vectorscope, Histogram, Audio Meter, Focus Assist, Exposure, False Color, Zebra, Marker, Pixel to Pixel, Aspect Ratio, Safe Area, Frame Capture, Quad Split, Color Calibration



12G-SDI / 4K HDMI Signal

12G-SDI, 4K HDMI, 12G-SFP and other signal transmission methods are integrated into this display, to avoid being lost in the choice question for video signals.

Equipped with 12G-SDI, 3G-SDI and HDMI 2.0 input/output interfaces, supports 4K 60Hz 4:2:2 10bit, 4K 30Hz 4:4:4 8bit, 25p/30p/50p/60p 1080p, 50p, 59p, 29p, 24p signal. 12G-SFP interface, which allows to transmit 12.3G signal via SFP optical module, is suitable for most broadcast field.

12G-SDI Single-Link

- Supports 4K 60Hz 4:2:2 10bit
- Supports 4K 30Hz 4:4:4 8bit

12G-SDI Dual-Link

- Supports 4K 60Hz 4:2:2 10bit
- Supports 4K 30Hz 4:4:4 8bit

12G-SDI Quad-Link

- Supports 4K 60Hz 4:4:4 8bit
- Supports 4K 30Hz 4:4:4 10bit

Accurate Color Calibration

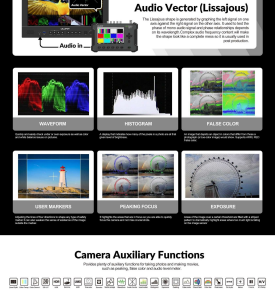
A specific calibration is applied to the color of the image which makes Color calibration supports the PQ(ST2084) and HLG(ARIB STD-B67) gamma curves.

Color Temperature

According to the different scenes of the picture, the viewer have their own preferences for different color temperatures. The default 6500K color temperature is the best for most viewing environment conditions, can also be customized according to user needs.

Gammas

Gamma and BT.709 color have a much closer fit how our eyes perceive them. Since Gamma value is adjusted from 1.0 to 2.6, most cds would be left to blend into the dark tones where the camera is relatively less sensitive.



Remote Control Application

Connect your computer to control this monitor via applications. The interfaces of RS422 and RS485 that can realize the control of multiple monitors at the same time.

LAN / RS422

- Picture: Brightness, contrast, saturation, hue, sharpness, color temperature, gamma, color gamut and other parameters
- Marker: Mark the monitor video options and select different aspect ratios
- Function: Include waveform, histogram, and other features of the monitor
- Source: Switch between different HDI signals and adjust HDMI signal
- Audio: Adjust the volume and mute and switch between internal audio sources
- TallyUMD: Support the tally UMD, tally, as well as the format of the tally

Quad Split Multiview

In Quad Split Multiview mode, any four signals can be displayed and arranged among 12G-SDI, 3G-SDI, HDMI2.0 and 12G-SFP. Various signal sources can be combined with suitable borders to enhance the senses of monitoring.

The four images are allocated a matrix for input signal source separately, and the signal source can be randomly switched between each input signal via presentation.

In the mode of quad split multiview, users can additionally use tool signals for assistance to ease its scenes, 2D, HDR or LUT's.

Audio Vector (Lissajous)

The Lissajous shape is generated by graphing the left signal on one axis and the right signal on the other axis. The resulting pattern is a phase of mono audio signal and reflects relationships depending on its wavelength! Complex audio frequency content will make the shape look like a complete mess so it is best used with simple test productions.

WAVEFORM

Waveform provides visual control of signal amplitude as well as color information. Supports luminance and RGB parade.

HISTOGRAM

A display that indicates how many of the pixels in a scene are at a full spectrum of brightness.

FALSE COLOR

An image that displays an object's value through false color. Helps to see if an area is bright and dark. It supports both IRE and Percentage.

USER MARKERS

Helpful in the center of the screen to show any type of safety area. Supports 4:3, 14:9, 1.85:1, 2.35:1, 2.39:1 and 16:9 aspect ratios.

PEAKING& FOCUS

It highlights the sharpest parts of focus so you can easily quickly adjust focus. Supports red, green, blue, yellow and white.

EXPOSURE

Helps LCD displays with a color representation filter with a unique color for each exposure level. Supports 5 stops of exposure.

Camera Auxiliary Functions

Provides plenty of auxiliary functions for many professional shooting needs, such as peaking, false color and audio level meter.

HDR

3D LUT

HDR

When HDR is activated, the display reproduces a greater dynamic range of luminosity than is possible with standard digital imaging or film and television (standard dynamic range). Effectively enhancing the overall picture quality. Support BT.2084, SMPTE 2084, HDR, HLG, STD/BT.709, HDR10, HLG.

3D LUT

3D LUT is a table for quickly looking up and output specific color data. Built-in 3D LUT tables, 17x17x17 data points, it can quickly assimilate color tone to have different color styles.

Built-in 3D LUT, featuring 17 default logo and 5 user logo.

SPECIFICATIONS

DISPLAY	Panel	IPS
	Native Resolution	1920 x 1080
	Brightness	300 cd/m²
	Contrast	1000:1
	Viewing Angle	178° (H) / 178° (V)
	Color	8 bit (16.7 Million Colors)
	Supported Log formats	S-Log2 / S-Log3 / Cine, V-Log / Log-C / Log
	Supported Color Gamuts	BT.709 / DCI-P3 / BT.2020
VIDEO INPUT	SDI	4K 60Hz 4:2:2 10bit/4K 30Hz 4:4:4 10bit/4K 60Hz 4:4:4 8bit (HDMI 2.0)/4K 30Hz 4:4:4 10bit/4K 30Hz 4:4:4 8bit (HDMI 1.4)
	HDMI	4K 60Hz 4:2:2 10bit/4K 30Hz 4:4:4 10bit/4K 60Hz 4:4:4 8bit (HDMI 2.0)
	SFP	4K 60Hz 4:2:2 10bit/4K 30Hz 4:4:4 10bit/4K 60Hz 4:4:4 8bit (HDMI 2.0)
VIDEO OUTPUT	SDI	4K 60Hz 4:2:2 10bit
	HDMI	4K 60Hz 4:2:2 10bit
SUPPORTED FORMATS	SDI	4K 60Hz 4:2:2 10bit, 1080p 1440x1080i, 1080p/60, 1080p/59, 1080p/50, 1080p/30, 1080p/29, 1080p/25, 1080p/24, 1080i/60, 1080i/59, 1080i/50, 720p/60, 720p/59, 720p/50, 576i/50, 480i/60, 480i/59, 720p/30PsF, 720p/29PsF, 720p/25PsF, 720p/24PsF
	HDMI	4K 60Hz 4:2:2 10bit, 1080p 1440x1080i, 1080p/60, 1080p/59, 1080p/50, 1080p/30, 1080p/29, 1080p/25, 1080p/24, 1080i/60, 1080i/59, 1080i/50, 720p/60, 720p/59, 720p/50, 576i/50, 480i/60, 480i/59, 720p/30PsF, 720p/29PsF, 720p/25PsF, 720p/24PsF
	SFP	4K 60Hz 4:2:2 10bit
Audio In/Out (48kHz PCM Audio)	Bit depth	24bit
	Audio Channels	2 Channels
REMOTE CONTROL	Model	RS422
	LAN	RJ45
POWER	DC Input	DC 12.0V
	Power Consumption	22W (TYP.)
ENVIRONMENT	Operating Humidity	10%RH-90%RH Non-Condensing
	Operating Temperature	0°C-40°C
	Storage Temperature	-20°C-60°C
OTHER	Dimensions (WxHxD)	312.4 x 187.4 x 51.4mm
	Weight	2.2kg

Specifications are subject to change without notice. Actual performance may vary depending on the usage and environment.

ACCESSORIES

STANDARD