



# LILLIPUT®

## 12G-SDI

### Production / Broadcast Monitor

- 4K 3840x2160 120Hz SDR
- 12G-SDI 12G-SFP 4K-HDMI
- HDMI 3D-LUT
- REMOTE CONTROL

Broadcast / Production monitor for professional camcorder & DSLR  
Application for taking photos & making movies.



### 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, it can support up to 4096x2160 (60p, 50p, 30p, 25p, 24p) & 3840x2160 (60p, 50p, 30p, 25p, 24p) signal. 12G SFP+ interface, which allows to transmit 12-SDI signal via SFP optical module, is suitable for most broadcast field.

#### 12G-SDI Single-Link

ST2084-10 120Hz SDR  
ST2084-10 120Hz SDR

#### 12G-SDI Dual-Link

ST2084-11 120Hz SDR  
ST2084-11 120Hz SDR

#### 12G-SDI Quad-Link

ST2084-12 120Hz SDR  
ST2084-12 120Hz SDR

### Accurate Color Calibration

A specific calibration to reproduce the colors of the image color space. Color calibration supports the PRO/LTE version of LightSpace CMS by Light Illusion.

#### Color Temperature

According to the different senses of the pictures, filmmaker have their own preferences for different color temperatures. The default is 3200K / 5500K / 6500K / 7500K / 9300K five color temperature conditions, can also be customized according to user needs.

#### Gammas

Gamma redistributes tonal level closer to how our eyes perceive them. Since Gamma value is adjusted from 1.8 to 2.5, more it would be left to describe the dark tones where the camera is relatively less sensitive.



### Remote Control Application

Connect your computer to control the monitor via applications. The interfaces of RS422 In and RS422 Out can realize synchronization control of multiple monitors.

### LAN / RS422

Select an appropriate port from LAN or RS422 to connect to the user's operating interface, allowing the application to identify the monitor before control.

### Audio Vector (Lissajous)

The Lissajous shape is generated by graphing the left signal on one axis against the right signal on the other axis. It is used to test the phase of mono audio signal and phase relationships depends on its wavelength. Complex audio frequency content will make the shape look like a complete mess so it is usually used in post production.

**WAVEFORM**

Quickly and easily check under or over exposure as well as color and white balance issues on pictures.

**HISTOGRAM**

A display that indicates how many of the pixels in a photo are at that given level of brightness.

**FALSE COLOR**

An image that depicts an object in colors that differ from a photograph (a true-color image) would show. Supports ARRI, RED False color.

**USER MARKERS**

Adjusting the lines of four directions to shape any type of safety marker it can also weaken the sense of existence of the image outside the marker.

**PEAKING FOCUS**

It highlights the areas that are in focus so you are able to quickly focus the camera and not miss crucial shots.

**EXPOSURE**

Areas of the image over a certain threshold are filled with a striped pattern to dramatically highlight areas where too much light is falling on the image sensor.

**CHECK FIELD**

When enabled, hue and saturation can be adjusted quickly and accurately especially in broadcast area display.

**ASPECT RATIO**

Provides a wide variety of aspect ratio to match different camera anamorphic lenses.

**ZOOM**

Zoom in and out by adjusting the horizontal and vertical axis of the screen position.

### Camera Auxiliary Functions

Provides plenty of auxiliary functions for taking photos and making movies, such as peaking, false color and audio level meter.

#### HDR OFF

Inaccurate exposure, reduced image detail, unsatisfactory viewing experience.

#### HDR ON

Enjoy sharper images, greater detail and richer colors.

### HDR

When HDR is activated, the display reproduces a greater dynamic range of luminosity, allowing lighter and darker details to be displayed more clearly. Effectively enhancing the overall picture quality. Support ST2084 300 / ST2084 1000 / ST2084 10000 / HLG.

### 3D LUT

3D-LUT is a table for quickly looking up and output specific color data. By loading different 3D-LUT tables, it can quickly recombine color tone to form different color styles. Built-in 3D-LUT, featuring 17 default logs and 6 user logs.

### 3D LUT LOAD

Supports loading the .cube file via USB flash disk.

Q15

51.4mm

Q23

45.7mm

Q31

47.4mm

#### Easy-to-use

Fit 4 user-definable buttons to custom auxiliary functions as shortcut, such as peaking, undercolor and overcolor. Use the Dial to set and adjust the value among of exposure, saturation, tint and volume, etc.

Base Mount  
(Q15 / Q23 / Q31)

Gimbal Bracket  
(Q15)

Carrying Case  
(Q15 / Q23)

Rack Mount  
(Q15)

### SPECIFICATIONS

	Q15	Q23	Q31
<b>DISPLAY</b>	Panel: 15.6"	23.8"	31.5"
Physical Resolution	3840x2160	3840x2160	3840x2160
Aspect Ratio	16:9	16:9	16:9
Brightness	330cd/m <sup>2</sup>	350cd/m <sup>2</sup>	350cd/m <sup>2</sup>
Contrast	1000:1	1000:1	1300:1
Viewing Angle	176° / 176° (H/V)	176° / 176° (H/V)	178° / 178° (H/V)
HDR	10000:1	10000:1	10000:1
Supported Log formats	SLog2 / SLog3 / CLoG / NLLog / ArrLog / JLog or User...	SLog2 / SLog3 / CLoG / NLLog / ArrLog / JLog or User...	SLog2 / SLog3 / CLoG / NLLog / ArrLog / JLog or User...
Look-up table (LUT) support	3D LUT (cube format)	3D LUT (cube format)	3D LUT (cube format)
Technology	2x12G, 2x3G (Supported 4K-SDI Formats Single/Dual Link)	2x12G, 2x3G (Supported 4K-SDI Formats Single/Dual/Quad Link)	2x12G, 2x3G (Supported 4K-SDI Formats Single/Dual/Quad Link)
<b>VIDEO INPUT</b>	SDI: 1x12G SFP+ (Fiber mode for Single)	1x12G SFP+ (Fiber mode for Single)	1x12G SFP+ (Fiber mode for Single)
HDMI: 1xHDMI 2.0	1xHDMI 2.0	1xHDMI 2.0	1xHDMI 2.0
<b>VIDEO LOOP OUTPUT</b>	SDI: 2x12G, 2x3G (Supported 4K-SDI Formats Single/Dual/Quad Link)	2x12G, 2x3G (Supported 4K-SDI Formats Single/Dual/Quad Link)	2x12G, 2x3G (Supported 4K-SDI Formats Single/Dual/Quad Link)
HDMI: 1xHDMI 2.0	1xHDMI 2.0	1xHDMI 2.0	1xHDMI 2.0
<b>SUPPORTED FORMATS</b>	SF: 2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080pSF 24/25/30, 1080i 50/60, 720p 50/60...	2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080pSF 24/25/30, 1080i 50/60, 720p 50/60...	2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080pSF 24/25/30, 1080i 50/60, 720p 50/60...
SDI: 1x12G SFP+ (Fiber mode for Single)	1x12G SFP+ (Fiber mode for Single)	1x12G SFP+ (Fiber mode for Single)	1x12G SFP+ (Fiber mode for Single)
HDMI: 1xHDMI 2.0	1xHDMI 2.0	1xHDMI 2.0	1xHDMI 2.0
<b>Audio In/Out (48kHz PCM Audio)</b>	HDMI: 16ch 48kHz 24-bit	8ch 24-bit	8ch 24-bit
Ear Jack: 3.5mm	3.5mm	3.5mm	3.5mm
Built-in Speakers: 2	2	2	2
<b>REMOTE CONTROL</b>	RS422: In/out	In/out	In/out
GPI: 1	1	1	1
LAN: 1	1	1	1
<b>POWER</b>	Input Voltage: DC 12-24V	DC 12-24V	DC 12-24V
Power Consumption: 1000W/1	32.5W (15V)	54W (15V)	55W (15V)
Compatible batteries: V-Lock or Anton Bauer Mount	V-Lock or Anton Bauer Mount	V-Lock or Anton Bauer Mount	V-Lock or Anton Bauer Mount
Input voltage (battery): 14.8V nominal	14.8V nominal	14.8V nominal	14.8V nominal
Operating temperature: 0°C~40°C	0°C~40°C	0°C~40°C	0°C~40°C
Storage Temperature: -20°C~60°C	-20°C~60°C	-20°C~60°C	-20°C~60°C
<b>ENVIRONMENT</b>	Dimension(LWD): 393 × 267 × 51.4mm	567 × 267 × 45.7mm	717.5 × 454.7 × 47.4mm
<b>OTHER</b>	Weight: 2.93kg	7.4kg	12kg

### ACCESSORIES

15V DC Adapter

VESA Mount Plate

Battery Plate

Gimbal Bracket  
(Q15)

Carrying Case - Sunshade  
(Q15 / Q23)

Rack Mount Bracket  
(Q15 / Q23)

Base Bracket

USB Flash Disk

Acrylic Screen Protector  
(Q15)

SFP Optical Fiber Module  
(Q15 / Q23 / Q31)