LILLIPUT®

Q31

31.5” 12G-SDI Production / Broadcast Monitor

4K 3840×2160 Resolution | 12G-SDI 12G-SFP 4K-HDMI | HDR 3D-LUT | REMOTE CONTROL

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

12G-SDI | 12G SFP+ | HDMI 2.0

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 4096×2160 (60p, 50p, 30p, 25p,24p) & 3840×2160 (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

ST2082-10 1×12G-SDI | ST2081-10 1×6G-SDI

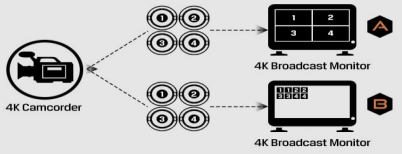
12G-SDI Dual-Link

ST2081-11 2×6G-SDI | ST425-3 2×3G-SDI

12G-SDI Quad-Link

ST425-3 4×HD-SDI | ST425-5 4×3G-SDI

A Square Division (4K mode)
B 2 Sample Interleave (4K mode)



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.
The color space of screen conforms to 94% DCI-P3.

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 2.8, more bitswould 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.

Picture

Brightness, contrast, saturation, tint, sharpness, backlight and color temperature can be controlled in this pattern.

Marker

Skip the complex menu options and select necessary marker directly.

Function

Includes waveform, histogram, and other features in this pattern.

Source

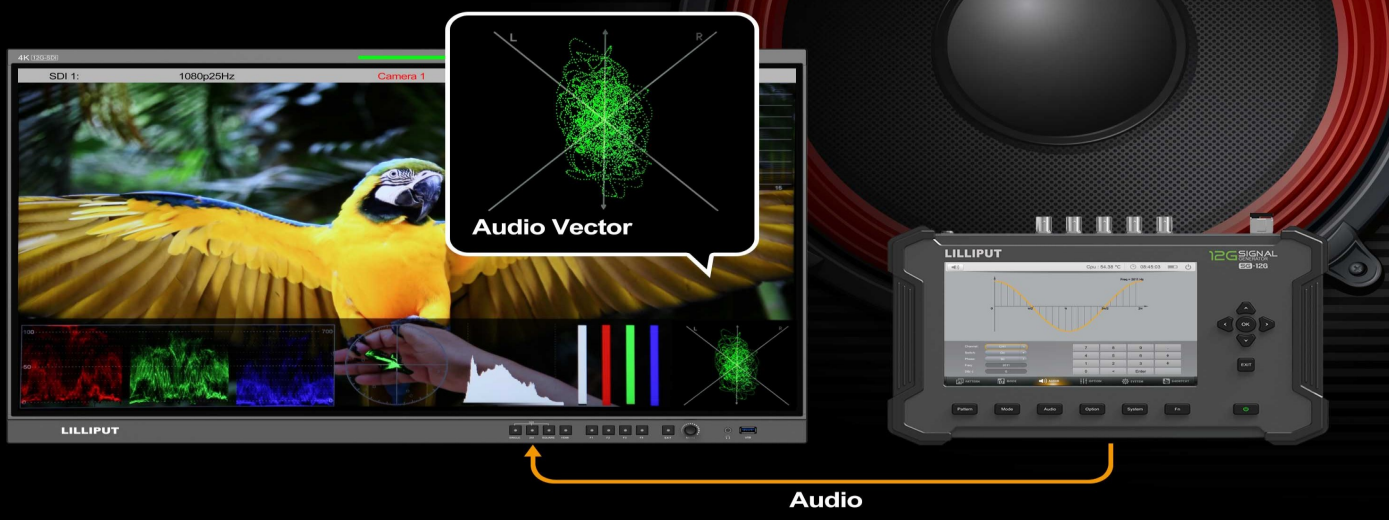
Switch between four different SDI signals and single HDMI signal

Audio

Any audio channel can be matched and control level meter and audio vector.

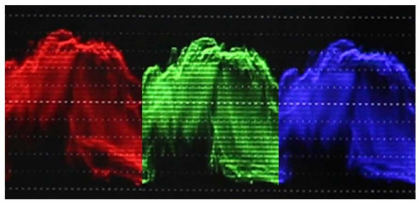
UMD

Control the color of Tally, as well as the text format of the UMD.



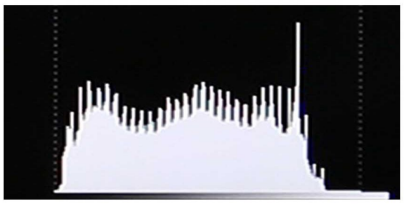
Audio Vector (Lissajous)

The Lissajous shape is generated by graphing the left signal on one axis against the right signal on the other axis. It 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.



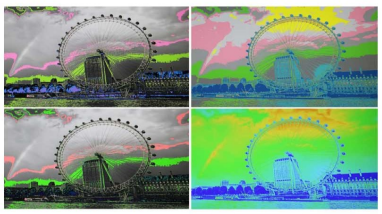
WAVEFORM

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 those 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.

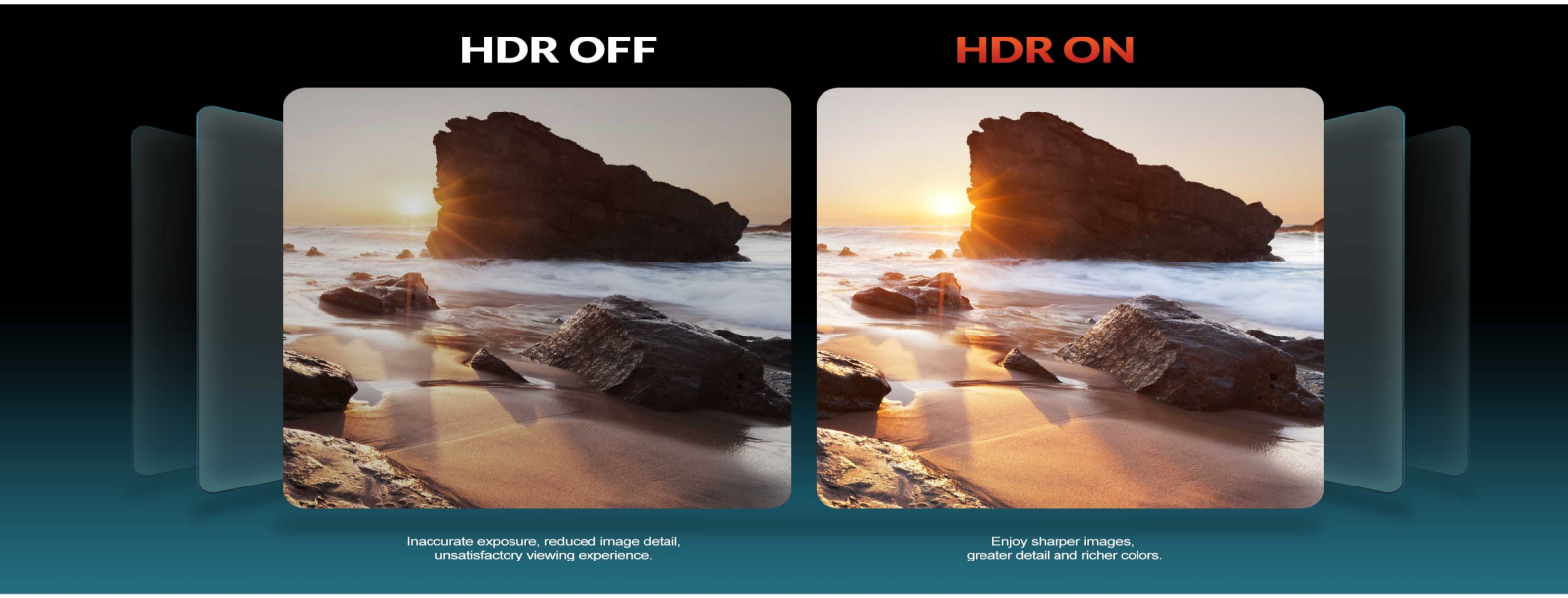
ZOOM

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

Camera Auxiliary Functions

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

Color Temp · Color Gamut · 3D-LUT · HDR · Gamma · UMD · Time code · Remote · Vector scope · Waveform · Audio Vector · Level meter · Histogram · Exposure · Peaking · False color · Check field · Color bar · Pixel zoom · Pix to pix · Marker · Freeze · H/V Delay



HDR

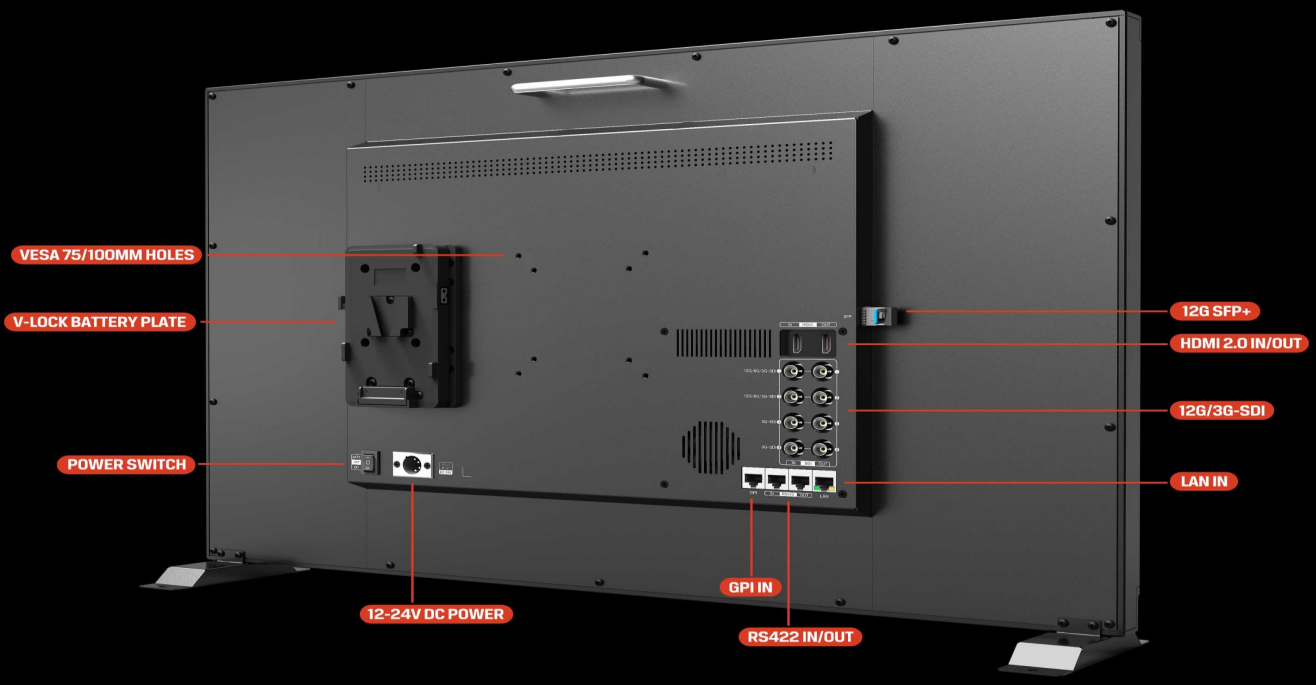
When HDR is activated, the display reproduces a greater dynamic range of luminosity,
allowing lighter and darker details to be displayed more clearly. Effectively enhancing the overall picture quality.
Support ST2084 300 / ST2084 1000 / ST2084 10000 / HLG.

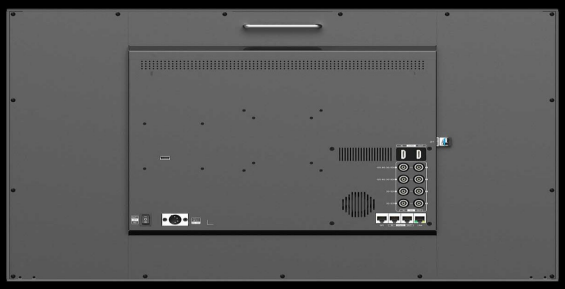
3D LUT

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.

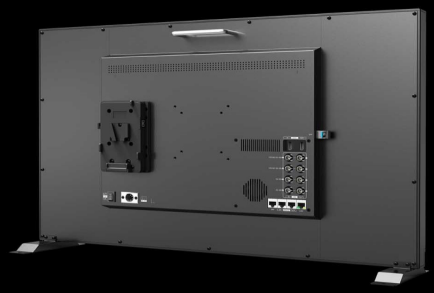




Easy-to-use

F1~F4 user-definable buttons to custom auxiliary functions as shortcut, such as peaking, underscan and checkfield. Use the Dial to select and adjust the value among of sharpness, saturation, tint and volume, etc.

Base Mount



SPECIFICATIONS

DISPLAY	Panel	31.5”
	Physical Resolution	3840×2160
	Aspect Ratio	16:9
	Brightness	350cd/m²
	Contrast	1300:1
	Viewing Angle	178°/ 178°(H/V)
	HDR	ST2084 300/1000/10000/HLG
	Supported Log formats	SLog2 / SLog3 / CLog / NLog / ArriLog / JLog or User…
	Look up table (LUT) support	3D LUT (.cube format)
	Technology	Calibration to Rec.709 with optional calibration unit
VIDEO INPUT	SDI	2×12G, 2×3G (Supported 4K-SDI Formats Single/Dual/Quad Link)
	SFP	1×12G SFP+ (Fiber module for optional)
	HDMI	1×HDMI 2.0
VIDEO LOOP OUTPUT	SDI	2×12G, 2×3G (Supported 4K-SDI Formats Single/Dual/Quad Link)
	HDMI	1×HDMI 2.0
SUPPORTED FORMATS	SDI	2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080pSF 24/25/30, 1080i 50/60, 720p 50/60...
	SFP	2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080pSF 24/25/30, 1080i 50/60, 720p 50/60...
	HDMI	2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080i 50/60, 720p 50/60...
Audio In/Out (48kHz PCM Audio)	SDI	16ch 48kHz 24-bit
	HDMI	8ch 24-bit
	Ear Jack	3.5mm
	Built-in Speakers	2
REMOTE CONTROL	RS422	In/out
	GPI	1
	LAN	1
POWER	Input Voltage	DC 12-24V
	Power Consumption	≤65W (15V)
	Compatible batteries	V-Lock or Anton Bauer Mount
	Input voltage (battery)	14.8V nominal
ENVIRONMENT	Operating Temperature	0˚C~40˚C
	Storage Temperature	-20˚C~60˚C
OTHER	Dimension(LWD)	717.5mm × 454.7mm × 47.4mm
	Weight	12kg