LILLIPUT®

Q31

31.5" 12G-SDI Production / Broadcast Monitor

Broadcast Performance meeting the professional requirements of 3D LUT, Accurate Color Calibration and Remote Control.

12G-SDI / 4K HDMI Signal

12G-SDI, HDMI, HDR, 12G SFP+ and other signal transmission methods are integrated into this display, to avoid being laid at the choice question for video signals.

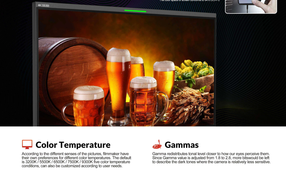
Equipped with 12G-SDI, 3G-SDI and HDMI 2.0 input/output interfaces, it can support up to 4096x2160 60p, 50p, 30p, 25p,24p & 3840x2160 60p, 50p, 30p, 25p, 24p signal.

12G SFP+ interface, which allows to transmit 12G-SDI signal via SFP optical module, is suitable for most broadcast field.

12G-SDI Single-Link
- 4 Channels of Embedded Audio
- Supports 4K Signal

12G-SDI Dual-Link
- 8 Channels of Embedded Audio
- Supports 4K Signal

12G-SDI Quad-Link
- Supports Multi-View 4K Output
- 16 Channels of Embedded Audio



Accurate Color Calibration

A specific calibration is optimized for every of the image core digital processing chip, to ensure the consistency of the image quality. This is one of reasons why LILLIPUT's products are so popular.

Color Temperature

According to the different demands of the products, Manufacturer have to adjust the color temperature to meet the demand. The default is 5500K / 6500K / 8500K / 7500K / 9300K Six color temperature conditions, can also be customized according to user needs.

Gammas

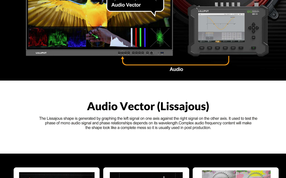
Gamma correction makes a mid-level closer to how our eyes perceive them. Gamma correction can be adjusted from 1.8 to 2.6, more followed by 0.45 to describe the dark tones where the camera is relatively less sensitive.

Remote Control Application

Remote control application for Windows or Android platform, can be used approximation control of multiple monitors.

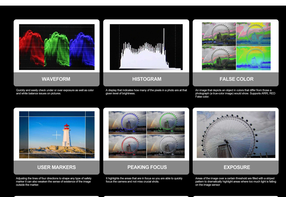
LAN / RS422
Ethernet port and RS422 port are integrated into this product to connect to the control application, allowing the operation to remote the monitor before control.

- **Picture** — Brightness, contrast, saturation, hue, sharpness, color temperature, aspect ratio, backlight and zoom are adjustable in the application.
- **Marker** — Step five complete marks options and select the appropriate one from the menu.
- **Function** — Includes waveform, histogram, and other features in the application.
- **Source** — Switch between two different SDI signals and single HDMI signal.
- **Audio** — Volume control can be switched and muted from lower left audio bar.
- **UMD** — Customize name of UMD, 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 signals and to see the stereo relationship between the left and right channels in audio frequency content will make. The shape look like a complete mess so it is usually used in post production.



WAVEFORM — Easily and easily check under or over exposure as well as color and other exposure issues on screen.

HISTOGRAM — It shows how brightness has many of the pixels in a photo and what areas are in the shadows.

FALSE COLOR — An image that depicts an object's color that differs from those in a photograph or moving image recorded. Yellow, Purple, Red, Green, Gray.

USER MARKERS — Adjusting the size of the aspect ratio is a way to make content that are also shaded the center of attention of the image outside the center.

PEAKING FOCUS — Highlights the areas that are in focus so you can easily see focus. Focus bits sections and non-focus circuit dots.

EXPOSURE — Areas of the image could appear too dark or too bright. Exposure tools can be used as an aid to help you see areas in the image that are too bright or too dark.

CHECK FIELD — When enabled, focus and exposure can be adjusted quickly and accurately manually in interlaced scan display.

ASPECT RATIO — Provides a wide variety of aspect ratio to insert different camera and monitor lenses.

ZOOM — Zoom in and out by adjusting the horizontal and vertical axis of the screen pixels one by one.

Camera Auxiliary Functions

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

Peak details increase, detail image detail, smoothness, strong expression.

Gray-shaped image, greater depth of the image.

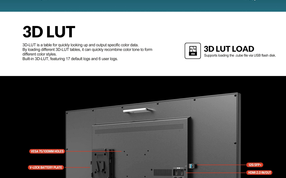
HDR

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 accomplish 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

Simply plug the USB flash disk into the USB port on the display (including the front and rear ports), and then select the file to be imported on the display to load and activate the 3D LUT effect.

SPECIFICATIONS

DISPLAY	Panel	31.5"
	Physical Resolution	1920*1080
	Aspect Ratio	16:9
	Brightness	350cd/m²
	Contrast	1000:1
	Colors	1.07B
	HDR	ST2084 300/1000/10000/HLG
	Input Signal Type	3G-SDI / 12G-SDI / HDMI / RGB / Analog / Lang or Uner
	Load Lut (.cube) LUT Support Technology	3D LUT Support Technology
	Calibration	Calibration to Rec 709 with optional calibration unit
	SFP	12G SFP+ (Fiber module for optional) Single/Dual/Quad Link
	SFP+	12G SFP+ (Fiber module for optional)
VIDEO INPUT	HDMI	1 HDMI 2.0
	SDI	3 SDI (1 3G-SDI / 2 Supported 4K SDI Formats Single/Dual/Quad Link)
VIDEO LOOP OUTPUT	HDMI	1 HDMI 2.0
	SDI	2 1080p (24/25/30/50/60) 1080p(24/25/30/50/60) 1080i(50/60) 720p (50/60)
SUPPORTED FORMATS	HDMI	1080p (24/25/30/50/60) 1080i(50/60) 720p (50/60) 1080p (24/25/30/50/60)
	SFP+	1080p (24/25/30/50/60) 1080p (24/25/30/50/60) 1080i (50/60) 720p (50/60)
Audio In/Out (48kHz PCM Audio)	SDI	16bit 48kHz 24-bit
	HDMI	2 ch
	Ear-jack	3.5mm
	Built-in Speakers	2
REMOTE CONTROL	USB	1 Port
	LAN	1
POWER	Input Voltage	DC 12 24V
	Power Consumption	45W (Max)
	Power Mode	Power Off / Power Saver Mode
	Input voltage (battery)	14.8V Nominal
ENVIRONMENT	Operating Temperature	0 ~ 40°C
	Storage Temperature	-20 ~ 60°C
OTHER	Dimension(LWD)	717.5mm x 454.7mm x 47.4mm
	Weight	10kg

Note: Some contents differ in features,photos & specifications, specifications may change without notice.

ACCESSORIES

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