

# 12G-SDI

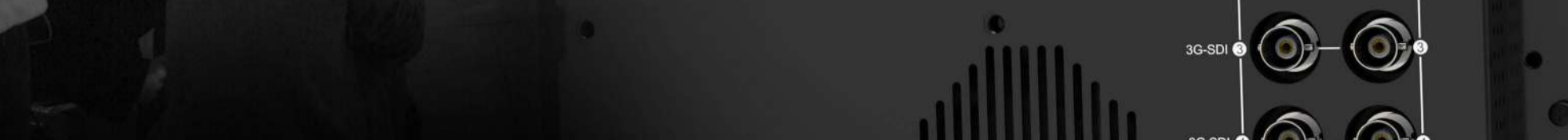
## 13.3" Studio / Broadcast Monitor

Studio / Broadcast monitor for professional camcorder & camera Application for video production & making movies.



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 / 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.



**12G-SDI Single-Link** ST2082-10 1-1025-SDI, ST2081-10 1-660-SDI  
**12G-SDI Dual-Link** ST2081-11 2-660-SDI, ST425-3 2-360-SDI  
**12G-SDI Quad-Link** ST425-3 2-4HD-SDI, ST425-5 4-360-SDI

Includes waveform, histogram, and other features in this pattern. Control the color of Tally, as well as the text format of the UMD.

**Accurate Color Calibration**  
A specific calibration to reproduce the colors of the image color space. Color calibration supports the PROLITE version of ColourSpace 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 2.8, more bits 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.



**Picture** Brightness, contrast, saturation, tint, sharpness, backlight and color temperature can be controlled in this pattern.  
**Source** Switch between four different SDI signals and single HDMI signal.

**Marker** Skip the complex menu options and select necessary marker directly.  
**Audio** Any audio channel can be matched and control level meter and audio vector.

**Function** Includes waveform, histogram, and other features in this pattern.  
**Tally/UMD** Control the color of Tally, as well as the text format of the UMD.

**Quad Split Multiview**  
In Quad-Split Multiview mode, any input signals can be selected and changed among 12G-SDI, 3G-SDI, HDMI2.0 and 12G-SFP+ Moreover, images can be differentiated with colorful borders to enhance the senses of monitoring.



The four images are allowed to select the input signal source separately, and cinematographers can also quickly switch between each input signal via physical buttons.

In the mode of quad split multiview, user can select any one input signal for audio/sound output, for example, SDI, HDMI or SFP+.

**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 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.

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



**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.



**Easy-to-use**  
F1-F4 user-definable buttons to custom auxiliary functions as shortcuts, such as peaking, underexpose and checkfield. Use the Dial to select and adjust the value among of sharpness, saturation, tint and volume, etc.



**Base Mount** **Gimbal Bracket (Optional)** **Rack Mount (Optional)** \*\*Height: 232.8mm\*\*

### SPECIFICATIONS

<b>DISPLAY</b>	Panel: Physical Resolution: Aspect Ratio: Brightness: Contrast: Viewing Angle: HDR: Supported Log formats: Look up table (LUT) support: Technology:	13.3" 3840x2160 16:9 300cd/m <sup>2</sup> 1000:1 178° / 178° (H/V) ST2084 300/1000/10000/HLG SLog2 / SLog3 / CLog / NLog / ArriLog / JLog or User... 3D LUT (cube format) Calibration to Rec.709 with optional calibration unit
<b>VIDEO INPUT</b>	SDI: SFP: HDMI: SDI: HDMI: SFP:	2x12G, 2x3G (Supported 4K-SDI Formats Single/Dual/Quad Link) 1x12G SFP+(Fiber module for optional) 1xHDMI 2.0 2x12G, 2x3G (Supported 4K-SDI Formats Single/Dual/Quad Link) 1xHDMI 2.0 2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080pSF 24/25/30, 1080 50/60, 720p 50/60...
<b>VIDEO LOOP OUTPUT</b>	SDI: HDMI: SFP:	2x12G, 2x3G (Supported 4K-SDI Formats Single/Dual/Quad Link) 1xHDMI 2.0 2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080pSF 24/25/30, 1080 50/60, 720p 50/60...
<b>SUPPORTED FORMATS</b>	SDI: SFP: HDMI:	2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080pSF 24/25/30, 1080 50/60, 720p 50/60... 16bit 48kHz 24-bit 8ch 24-bit 3.5mm 2
<b>Audio In/Out (48kHz PCM Audio)</b>	HDMI: Ear Jack: Built-in Speakers:	8ch 24-bit 3.5mm 2
<b>REMOTE CONTROL</b>	RS422: GPI: LAN:	In/Out 1 1
<b>POWER</b>	Input Voltage: Power Consumption: Compatible batteries: Input voltage (battery):	DC 12-24V ≤31.5W (15V) V-Mount or Anton Bauer Mount 14.8V nominal
<b>ENVIRONMENT</b>	Operating Temperature: Storage Temperature:	0°C~50°C -20°C~60°C
<b>OTHER</b>	Dimension(L*W*D): Weight:	340 x 232.8 x 46mm 2.4kg

Note: Due to constant effort to improve products and product features, specifications may change without notice.

### ACCESSORIES

**STANDARD** 19V DC Adapter, VESA Mount Plate, Battery Plate (Default)

**OPTIONAL** SFP Optical Fiber Module, Gimbal Bracket, Rack Mount Bracket

Base Bracket, USB Flash Disk