

12G-SDI

Studio / Broadcast Monitor

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

MODEL:CK1800-12G



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



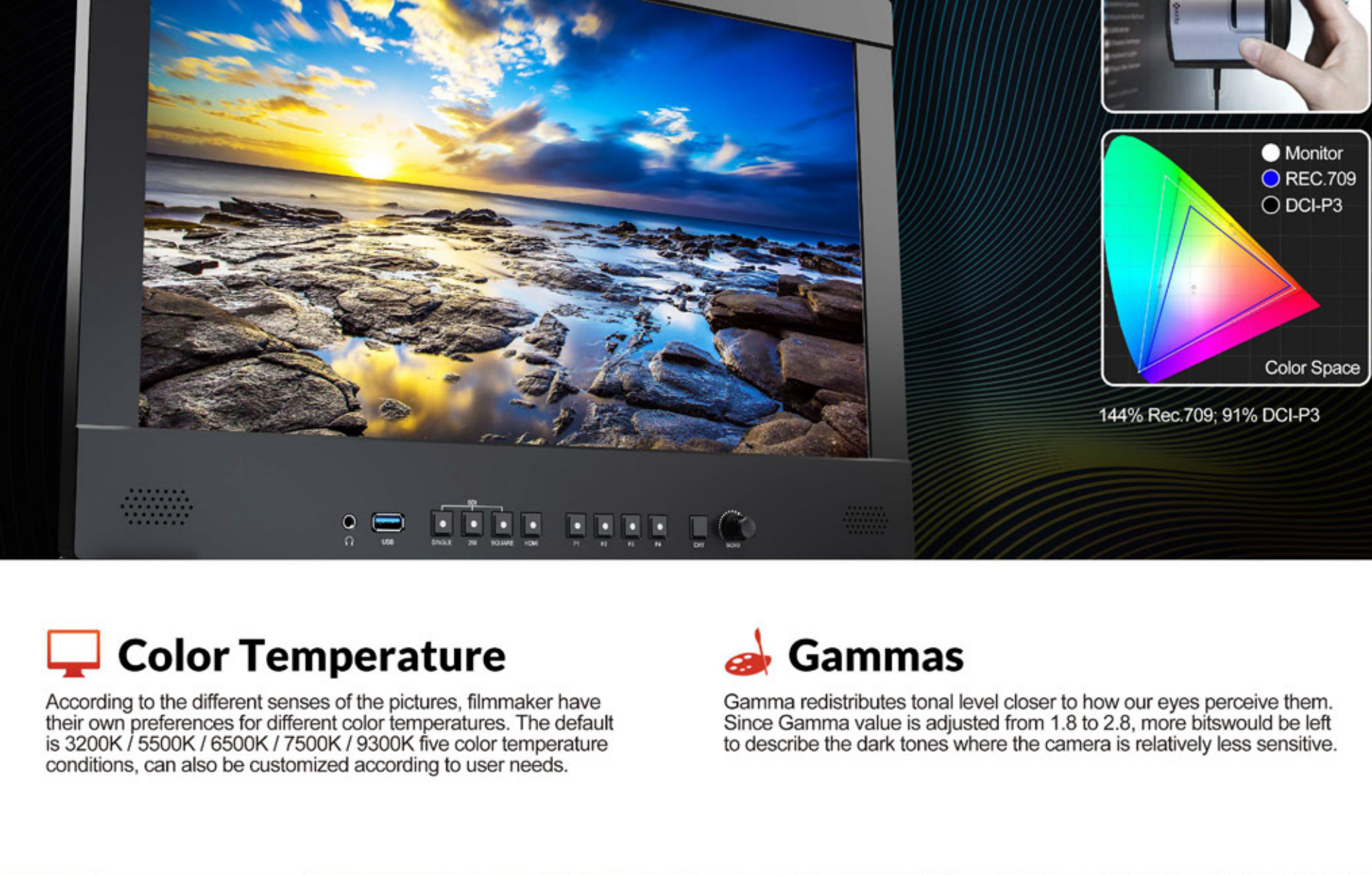
12G-SDI Dual-Link



12G-SDI Quad-Link

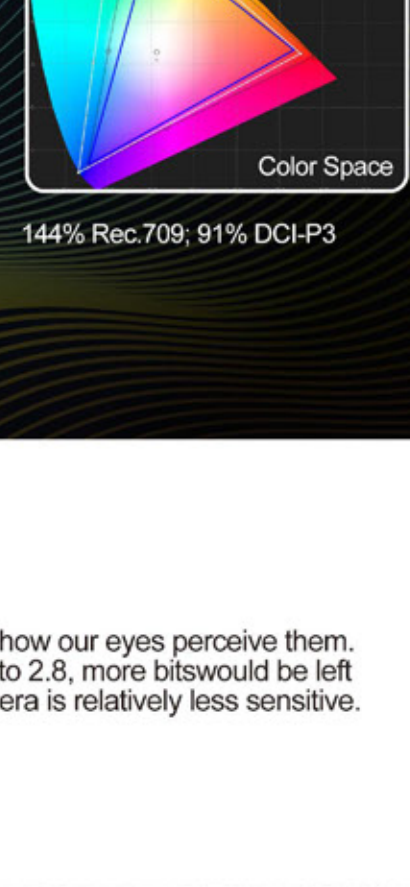


4K mode
2 Sample Intervals (4K mode)



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.

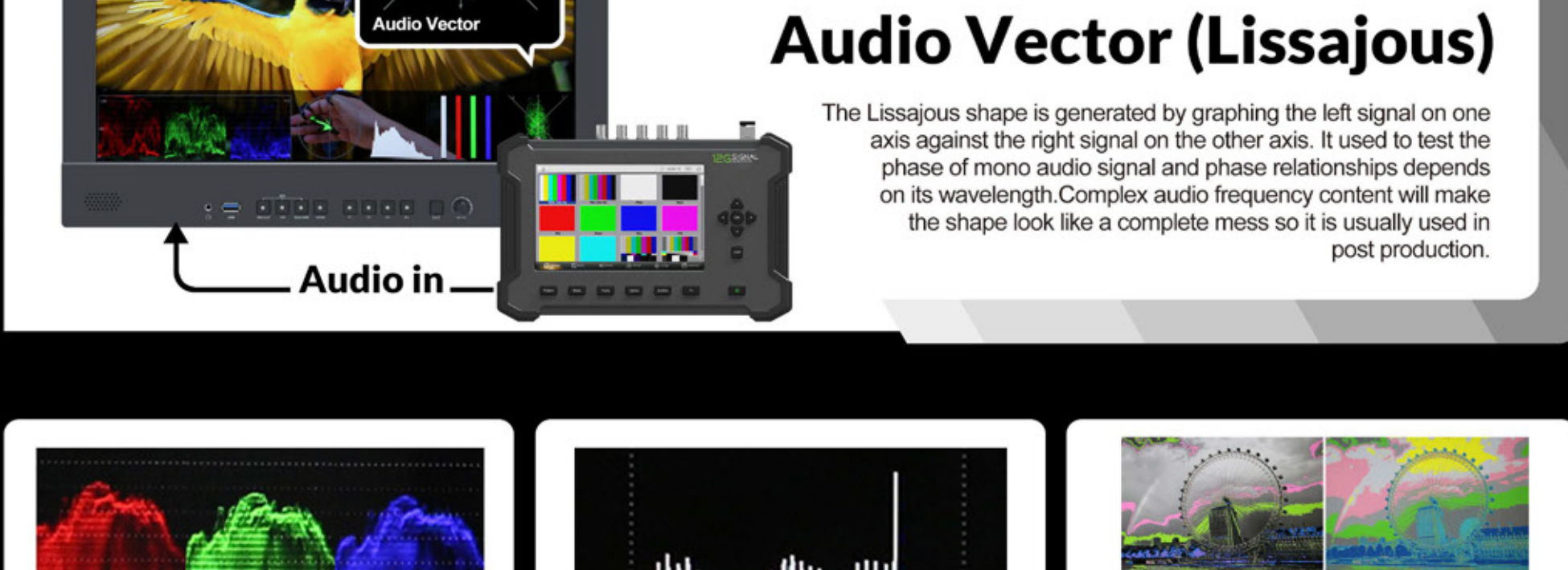
LAN / RS422

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.



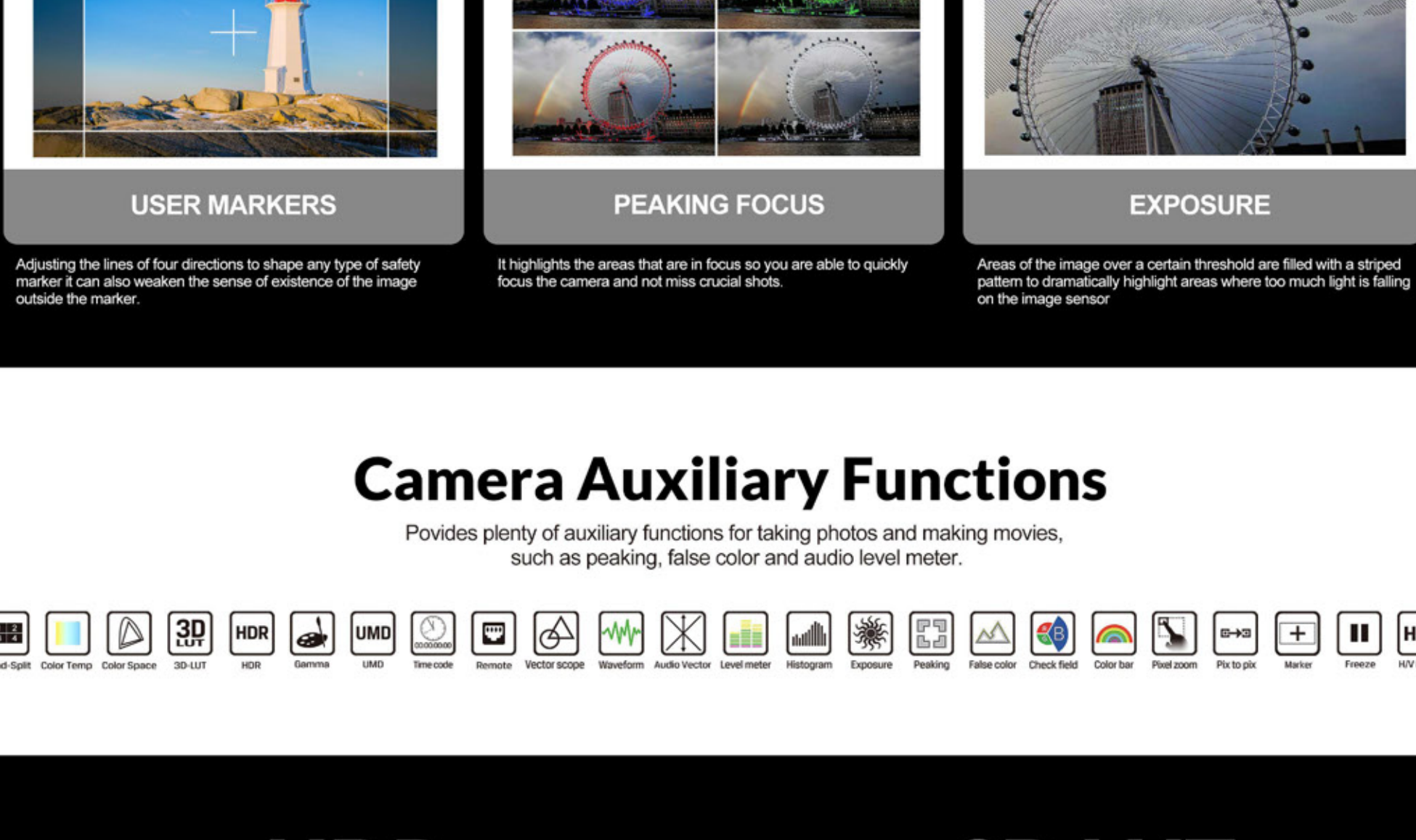
Quad Split Multiview

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.



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.



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 shortcut, such as peaking, underexpose and overexpose. Use the Dial to select and adjust the value among of sharpness, saturation, tint and volume, etc.



SPECIFICATIONS

DISPLAY	Panel	17.3"
	Physical Resolution	3840x2160
	Aspect Ratio	16:9
	Brightness	400cd/m ²
VIDEO INPUT	Contrast	1200:1
	Viewing Angle	170°/ 170°(H/V)
	HDR	ST2084 300/1000/10000/HLG
	Supported Log formats	SLog2 / SLog3 / CLog / NLog / JLog or User ...
VIDEO LOOP OUTPUT	Look up table (LUT) support	3D LUT (cube format)
	Calibration	Calibration to Rec-709 with optional calibration unit
SUPPORTED FORMATS	SDI	2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080iSF 24/25/30, 1080i 50/60, 720p 50/60...
	SFP	2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080iSF 24/25/30, 1080i 50/60, 720p 50/60...
Audio In/Out (48kHz PCM Audio)	HDMI	1xHDMI 2.0
	SDI	2x12G, 2x3G (Supported 4K-SDI Formats Single/Dual/Quad Link)
REMOTE CONTROL	SFP	1x12G SFP+ (Fiber module for optional)
	HDMI	1xHDMI 2.0
POWER	SDI	2x12G, 2x3G (Supported 4K-SDI Formats Single/Dual/Quad Link)
	HDMI	1xHDMI 2.0
ENVIRONMENT	SDI	2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080iSF 24/25/30, 1080i 50/60, 720p 50/60...
	SFP	2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080iSF 24/25/30, 1080i 50/60, 720p 50/60...
OTHER	SDI	16ch 48kHz 24-bit
	HDMI	8ch 24-bit
ACCESSORIES	Ear Jack	3.5mm
	Built-in Speakers	2
POWER	RS422	In/Out
	GPI	In
ENVIRONMENT	LAN	1
	Input Voltage	DC 12-24V
OTHER	Power Consumption	≤34.5W (15V)
	Compatible batteries	V-LOCK or Anton Bauer Mount
ENVIRONMENT	Input voltage (Battery)	14.8V nominal
	Operating Temperature	0°C~50°C
OTHER	Storage Temperature	-20°C~60°C
	Dimension(LWD)	434 × 294 × 46mm
OTHER	Weight	3.9kg

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

ACCESSORIES

