10.1″ 3D LUT Touchscreen Monitor

Daylight Viewable|F970 Install and Power Kit

4K | Ultra-Bright
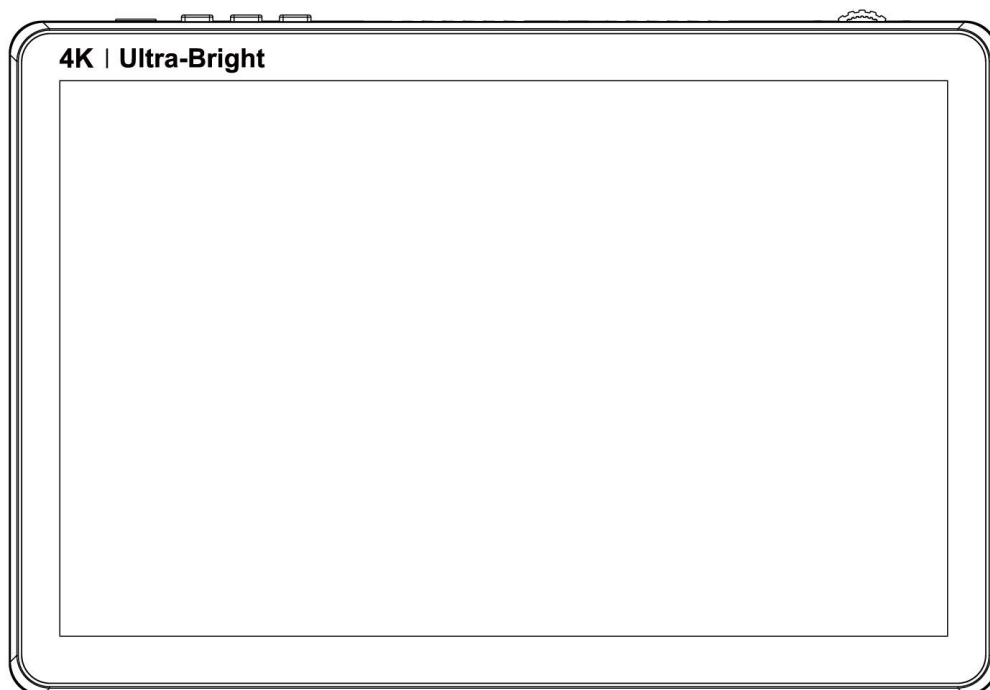
User Manual

Foreword

Thank you for purchasing our 10.1-inch Full HD touch screen monitor. Please read this manual carefully before using the unit. Have a great experience!

CAUTION

1. Please avoid the heavy impact and drop onto the ground when move the product.
2. The screen of this product is made of glass.Keep away from injury if the screen is broken.
3. Keep the product away from the heat source, and avoid the prolonged exposures to the sun as the LCD screen will be damaged.
4. Please do NOT use chemical solutions to clean this product. Please wipe the monitor with a clean soft cloth to maintain the brightness of the surface.
5. No adjustable components are in the monitor. Please do not take apart or repair the unit by yourself, to avoid the damage of the product.

Key Features

- ●10.1-inch 1920x1200 full HD IPS screen

- ● Touch screen menu operation, improve shooting efficiency

- ● 2000nits daylight viewable (Light Sensor)

- ● New menu interface, more intuitive and intelligent

- ● Dual HDMI inputs support up to 4K@60Hz

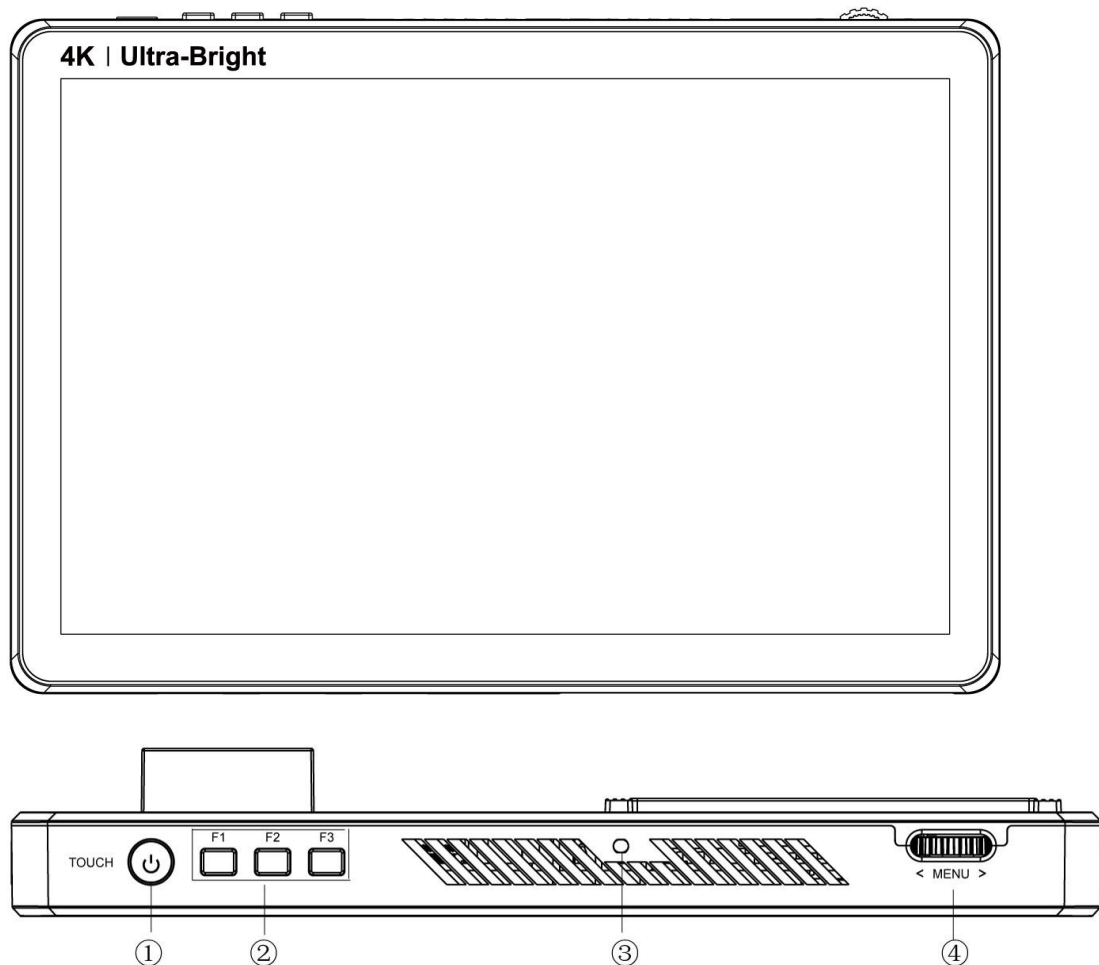- ● Support HDR monitoring, what you see is what you get

- Support 3D LUT Log to REC.709 and user 3D LUT upload(up to 50)
- Sony F970 external install and power kit design can be used to install and supply power to external equipment, easy to install and disassemble, simplify your photography equipment.
- With Waveform, Vector scope, Histogram, Focus Assist, Monochrome etc. functions, can help you accurately exposure and focus every shot.
- Stereo Earphone output
- DC 8V power out to power your DSLR camera or mirrorless camera
- Built-in Tally Indicators (Red, Green, Yellow)
- Dual F970 battery slots

CONTENTS

1. Product Description

1.1 Button Instruction

4K | Ultra-Bright

①. Power/Touch Function Button：Long press to turn on/off power; short press to turn on/off the screen touch function.

②. **F1 ~ F3:** Custom function buttons

③. **Light Sensor:** The backlight mode under the icon is set to Auto, and the brightness of the backlight can be adjusted automatically by the light sensor.

④. **MENU:** See details: **2.2 MENU Wheel Menu Operation in 2. Menu Operation Instruction.**

1.2 Port Instruction
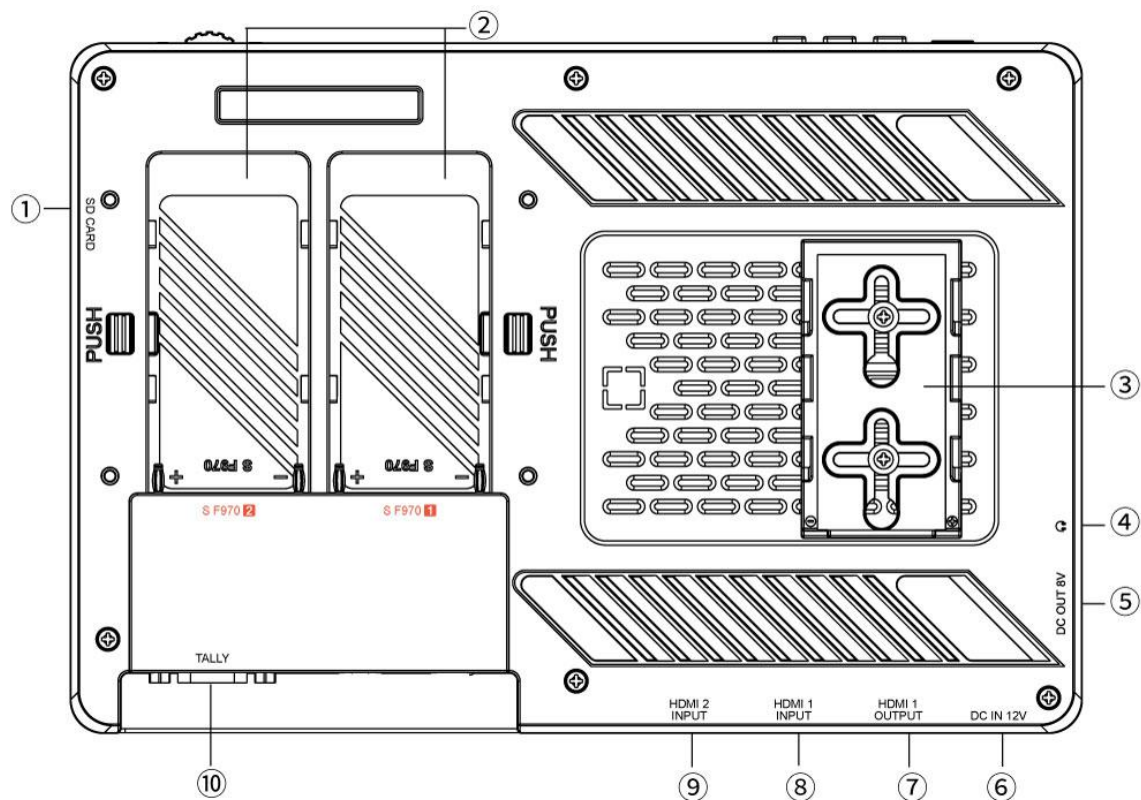
①. SD Card Slot

3DLUT upload via SD card and for firmware upgrade

②. Power/Touch Function Button

Long press to turn on/off; short press to turn on / off the screen touch function.

③. F970 External Install and Power Kit

④. 3.5mm Headphone Jack

⑤. DC OUT 8V Power Output

Connect the optional dummy battery cable to power camera.

⑥. DC 12V Power Input

⑦. HDMI Signal Output

⑧. HDMI Signal Input 1

⑨. HDMI Signal Input 2

⑩. Tally Light Input

1.3 Power Supply Way

(1) The rear cover of the monitor is equipped with dual F970 battery plate, which is applicable to F970 series of batteries.

Sony F970 battery plate for battery of Sony DV:

Sony F970 F960 F950 F930 F770 F750 F730 F570 F550 F530 series

Remark: It is recommended to use standard original F970 batteries. Different specifications of the battery have different capability. The working time for the monitor will be different. Higher capability (working time) will be longer. Please take off the battery from the monitor if you don't use the monitor in a long time.

●**Battery switching instruction**

➤ When the battery/batteries is/are placed in the battery slot(s), battery icon will appear on the upper right of the screen.

➤ White battery icon: working; Gray battery icon: not working.

➤ Manually switching: Double-tap the gray battery icon and it will be switched to a working state in about 3 seconds, then it will be turned white.

➤ Automatically switching: Automatically switch to another charged battery when one battery is exhausted.

(2) **DC IN 12V:** DC power input, polarity as the input power

, Barrel (5.5mm outer, 2.1mm inner) at the bottom of the monitor, DC 7~24V Input.

(3) **DC OUT 8V:** DC power output interface, polarity as the output

power ![barrel polarity symbol]

Barrel output for powering your camera with a separately

available DC coupler via adaptor (NP-FW50 Sony & LP-E6

Canon&DMW-BLF19 Panasonic). More adapters coming soon.

1.4 Sony F970 Install and Power Kit

A Sony F970 external install and power kit design is added to the back
of the monitor. The external kit can be used to install and install the
external equipment, like wireless transmitter, LED light, video
converter and others which can be powered by Sony F970 battery.

The kit has two cross grooves, you can adjust the position of the external
device by loosening 2 screws up and down / left or right, or install the kit
upside down. When you don't need the kit, you can loosen the screws and
remove the kit.

**Note: Before disassembling the kit, make sure that the monitor is
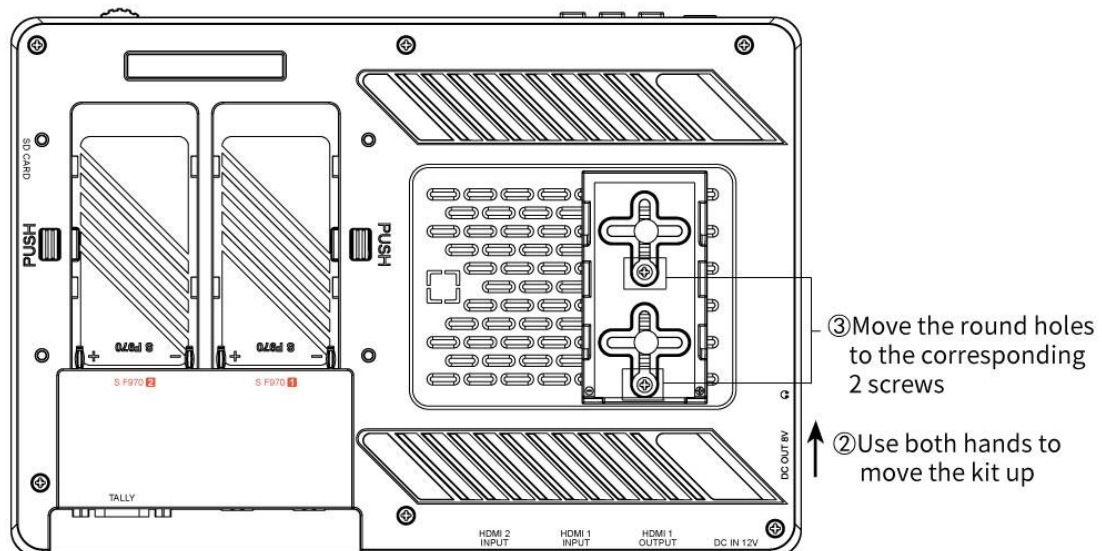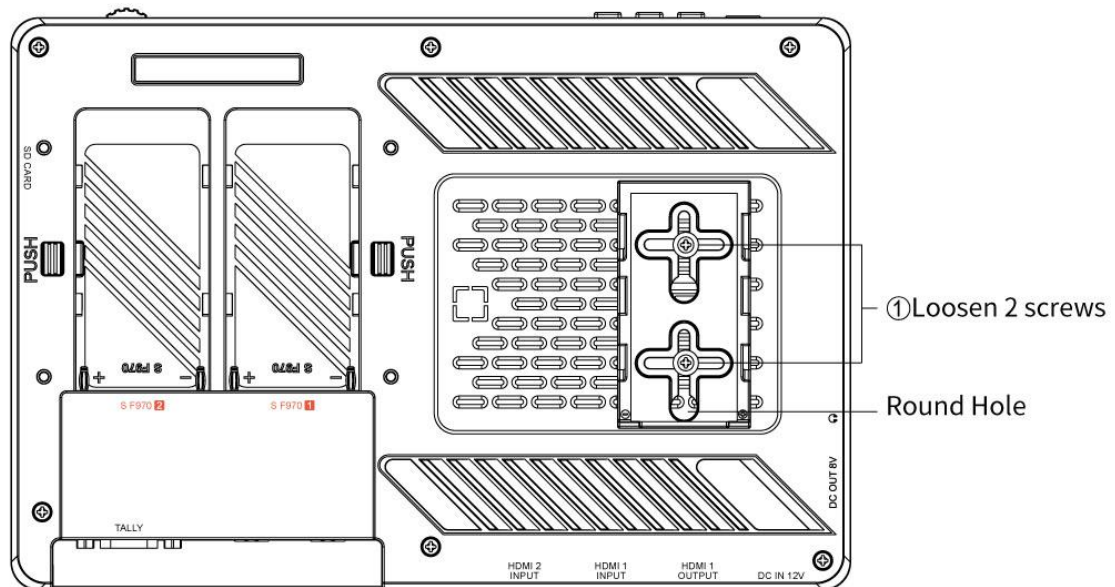turned off, and then remove the battery or power adapter.**
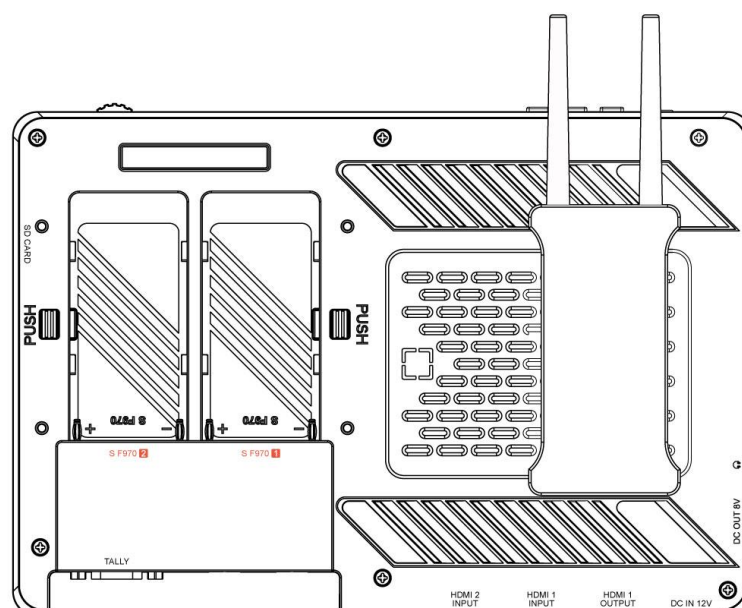
(1) Just move the kit: Loosen 2 screws, and then adjust up / down / left / right.

(2) Steps to remove the kit:

①. Loosen the 2 screws.

②. Use both hands to move the kit up.

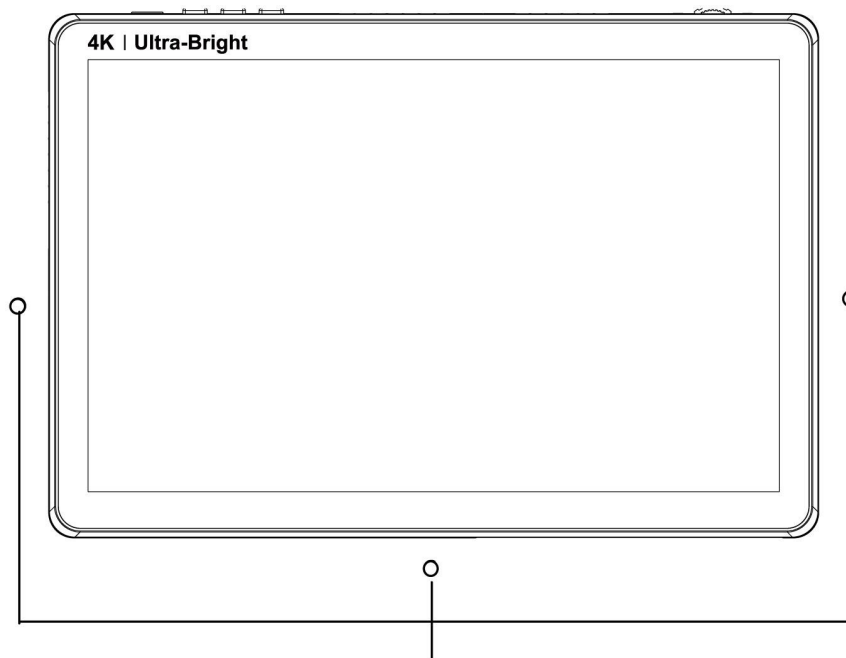③. Move the round holes to the corresponding 2 screws.

  (You can also install the kit upside down.)

④. Then gently lift the kit upwards and carefully disassemble the 2P power cord.

⑤. Then remove the 2 screws.

1.5 Mount Points

There are (3) ¼-20 thread points (bottom, right & left) can be easily connected to the hot shoe mount, tripod fixed installation.

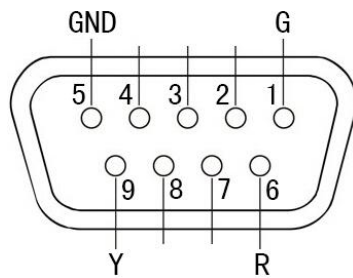(3) ¼-20 thread points

U-shape Bracket Mounting

1.6 TALLY Indicator Connection

Indicator Color	Pin connect
Green	1-5
Red	6-5
Yellow	9-5

2. Menu Operation Instruction

After the monitor is properly connected to the power supply, the indicator light is on (red). The monitor default to turn on automatically, the indicator turns Yellow, and then input HDMI signal, the indicator will turn Green.

You can also set the power to Manually in menu **System--Power setting**. After setting, you need to long press ⏻ / TOUCH to turn on the monitor when plug the power supply.

2.1 Touch Screen Menu Operation (turn on the screen touch function)

There are two ways to set the touch function

● Short press ⏻ / TOUCH to turn the screen touch function on or off.

● You can set any of the top F1~F3 of the monitor as the touch switch, enter the menu - **User Options - Shortcut Key - F1/F2/F3- Touch Switch,** and directly press the F shortcut key to turn on or off the touch function after setting.

①．Double-click on the screen to open the main menu (show on the left side of the screen) and click on the corresponding menu to display the secondary menu. You can enter the corresponding function option and click directly to select or set. Click the touch screen to exit the menu.

②．When the menu is not displayed, swipe up from the bottom of the screen to open the shortcut menu, swipe left or right select the needed function and click on the corresponding menu box to turn on or turn off the corresponding function.

③．When the menu is not displayed, on the left side of the screen (1/2 split screen), you can directly adjust the brightness of the screen backlight; on the right side of the screen (1/2 split screen), you can directly adjust the volume.

Figure:
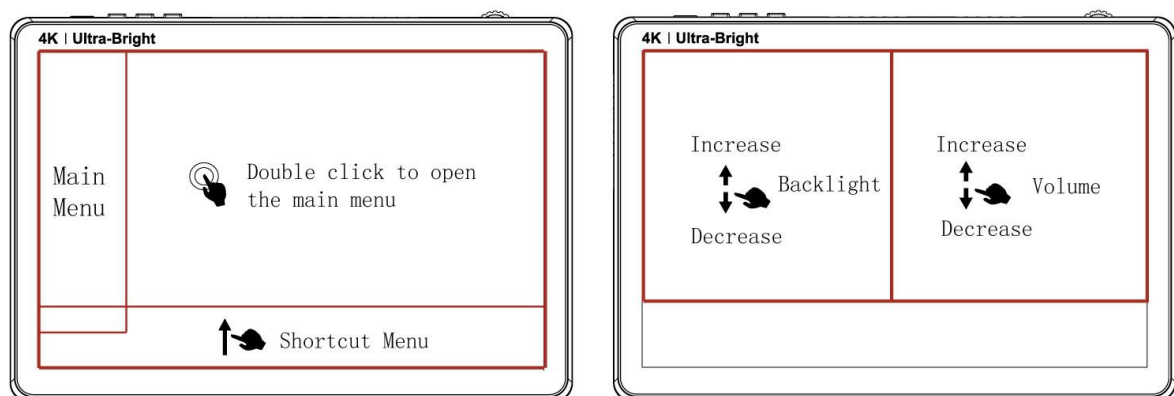
2.2 MENU Wheel Menu Operation

①．When the menu is not displayed, directly rotate menu knob to adjust the volume or backlight. You can set in the **Left Right**

Key Set of menu User Option

②．Gently press the MENU wheel to open the main menu (on the left side of the screen). Rotate the wheel to select the secondary function menu. After selecting it, press the wheel, then rotate the wheel to select or set the option function.

③．Long press the MENU wheel to return or exit the menu

2.3 MENU UI Instruction
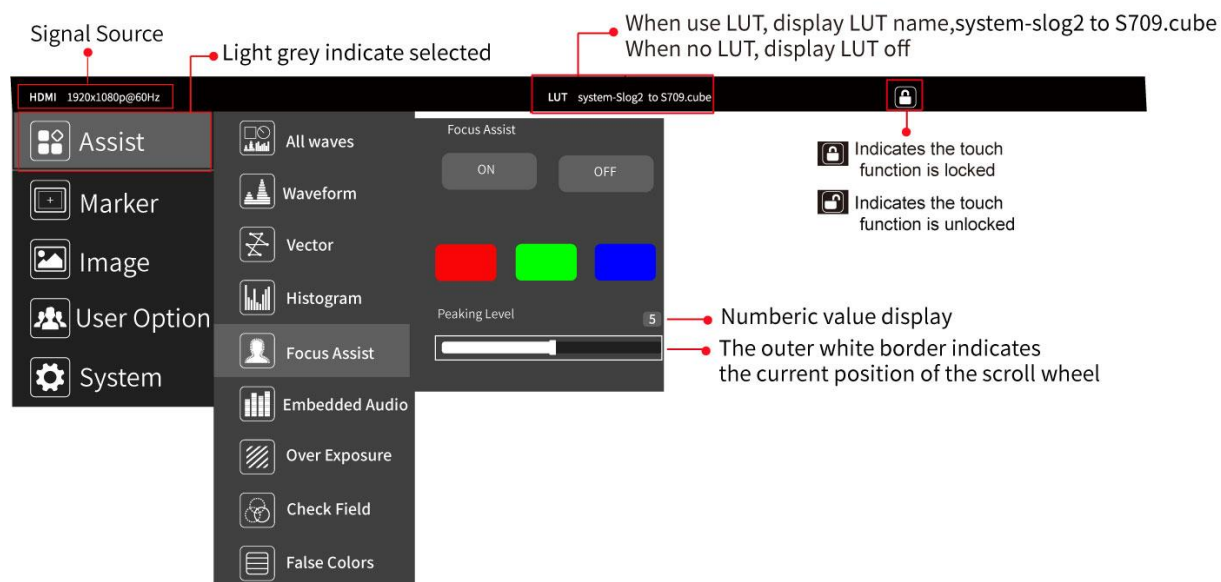
3. Menu Function Instruction

 Assist

	On, Off After turning on, waveform, vector, histogram and embedded

All Waves	audio will be shown.
Waveform	**On, Off** **Mode : RGB、YUV、Y** **Position X: 0~100** (moving the waveform horizontally) **Position Y: 0~100** (moving the waveform vertically) **Waves Trans. : Off, 25%, 50%, 75%** The waveform is a core tool for professional video production. It converts the brightness and color information of the frame into visual curves, enabling precise control of exposure, white balance and color balance, preventing overexposure, crushed blacks or color casts in the frame, ensuring the signal meets broadcast standards. It is ideal for scenarios with vary light, complex composition or cinematic video. The X-axis of the waveform monitor corresponds to the horizontal position of the frame (left to right), and the Y-axis represents the brightness level of each position, generally defined with black as the 0 line and maximum brightness as the 100 line. Luminance Waveform (Y) Display: A white/gray curve representing the overall brightness distribution of the frame. RGB Component Waveform Display: Independent red, green and blue channel waveform, presented side by side. YUV Waveform Separates color and luminance. Y represents the luminance signal, while U and V represent the blue-yellow and red-green chrominance signals respectively.
Vector	**On, Off** **Position X: 0~100** (moving the Vector horizontally) **Position Y: 0~100** (moving the Vector vertically)

	The vectorscope is a professional tool dedicated to analyzing and monitoring the color information of a frame. It visualizes color saturation (vividness) and hue (tone) via chrominance signals in a circular graph to quantify the color data of the frame, enabling precise judgment for cinematographers and colorists. It serves as a color calibration benchmark for professional scenarios such as film and television production, live streaming, and broadcasting.
Histogram	**On, Off** **Mode：RGB1、RGB2、Y** **Position X: 0~100** (moving the histogram horizontally) **Position Y: 0~100** (moving the histogram vertically) RGB1 Histogram:Displays the brightness distribution of the red, green, and blue channels separately, designed to judge color casts, monochromatic over/underexposure, white balance, and color gradation. RGB2 Histogram:The red, green, and blue channels are overlaid on the same coordinate system, with overlapping areas showing mixed colors Y Histogram: A tool for objectively judging exposure and tonal distribution. Ideal for monitoring overall exposure to prevent clipped highlights and crushed blacks, assisting with precise lighting setup and post-production.
Focus Assist	**On, Off** **Color :** （Red, Green, Blue） **Peaking Level : you can adjust the peaking level after turning on (1～10)** Highlights the in-focus areas of the image to help photographers quickly and accurately judge focus position during manual focusing. Especially ideal for fast moving video, portrait, etc.

Embedded Audio	**On, Off** **Position X: 0~100** (moving the audio level horizontally) **Position Y: 0~100** (moving the audio level vertically) A visual audio level indicator tool for monitors that displays sound volume in real time and detects audio clipping (distortion). It resolves issues of being unable to hear audio while monitoring video or inaudible sound in noisy environments, ensuring audio-video synchronization and distortion-free recording. Ideal for live streaming, on-location shooting and filming in noisy settings.
Zebra Pattern	**On, Off** **Threshold Value :you can adjust the threshold value after turning on**（10~100） A real-time exposure assist tool that highlights overexposed areas in the frame with striped patterns for quick identification of blown-out highlights, ensuring accurate exposure，ideal for video shooting, portrait photography and outdoor high-light scenarios.
Check Field	**On, Off** **Mode : Red, Green, Blue, Mono** Eliminate color interference, focus on exposure, focus, contrast and single-channel signal quality, and quickly judge the picture's brightness gradation, edge details and color channel issues.
False Colors	**On, Off** **Mode: Normal, ARRI** False Color is an exposure assist tool that maps the precise brightness value of every pixel in the frame to distinct colors corresponding to different brightness levels. It allows you to instantly check the exact exposure values across the entire frame and clearly visualize the light and shadow distribution of each specific area. Ideal for video shooting, portrait photography

	and outdoor shooting in complex lighting conditions.

 Marker

  Grid	**On, Off** **Mode: 2x2,3x3,4x4,5x5,6x6,7x7,8x8,9x9, Custom** **Rows: 2~9** **Columns: 2~9** When selecting **Custom**, you can custom the rows and columns of the grid **Color: Red, Green, Blue, Black, White, Gray** A core auxiliary tool for professional shooting, primarily designed for rule-of-thirds composition and horizontal/vertical calibration. It divides the screen into equal grids of 4, 9, 16, 25, 36, 49, 64 or 81 cells for optimized framing, and the number of grid rows and columns is fully customizable.
  Safe Frames	**On, Off** **Mode: 80%, 85%, 90%, 93%, 96%, 2.35:1, 9:16** **Color: Red, Green, Blue, Black, White, Gray** Prevent edge cropping of the frame, ensure subtitle/subject remain fully visible, and adapt to different playback devices.
  Center Marker	**On, Off** **Color : Red, Green, Blue, Black, White, Gray**
  Ratio Marker	**On, Off** **Mode: 4:3、13:9、14:9、15:9、16:9、1.85:1、2.35:1, 9:16** **Color: Red, Green, Blue, Black, White, Gray**

	Modified Mark : 0~5 Preview the target aspect ratio in real time, standardize framing, reduce post-production cropping, align shooting with the final footage ratio, and improve framing efficiency and footage precision.

Image

Scan Mode	**Under Scan, Over Scan**
Aspect Ratio	**Auto, 16:9, 16:10, 4:3, 5:4, 1.85:1, 2.35:1, Full Screen** Provides a wide variety of aspect ratio to match different camera anamorphic lenses.
Anamorphic	**On, Off** **Mode：1.33X, 1.6X, 2.0X, 2.0X MAG, User** Under the **User**, can be customized（1.20X～2.00X） Paired with anamorphic lenses, this function restores the horizontally compressed shooting image to the normal aspect ratio on the monitor for real-time framing and proportion checking. It resolves the issue of image squashing and inaccurate framing when shooting with anamorphic lenses.
Image Flip	**Auto, Manual** (when select Manual, you can set below options) **On, Off** **Mode: H Flip, V Flip, H_V Flip** This function resolves abnormal screen orientation caused by special monitor mounting angles (e.g., upside-down, side-mounted)

	or restricted shooting perspectives. It ensures a correct, upright viewing angle for the screen regardless of the monitor's mounting or shooting position, without interfering with monitoring, focusing or framing.
Zoom Mode	**On, Off** **Mode：2X、4X、9X、16X、User** Under the **User**, can be customized（100%~200%） Magnify the central area of the screen for precise focusing, detail inspection and image quality verification.
Image Freeze	**On, Off**
P2P	**On, Off** A display mode that maps the monitor's input signal pixel 1:1 to its physical screen pixels, presenting the signal with no stretching, no scaling and no cropping to fully restore the original resolution and fine details of the input signal. It is an essential function for precise focusing, image quality inspection and framing calibration. Note: This function is only available when the input signal resolution ≤ the monitor's physical resolution.

 User Option

LUT	**On, Off** After the LUT Switch is turned on, you can use the **Lut** **(SLOG2, SLOG3, LOGC, VLOG)**. **Lut Import：Confirm**

	Lut Table Show the 4 built-in Lut and the custom load Lut (up to 32） The Lut item is displayed after the Lut Switch is turned on. 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
HDR	**On, Off** **Mode: HLG1, HLG2, HLG3** HDR can provide more dynamic range and the details of image, it is better to reflect the visual effects in the real environment.
Display Adjustment	**Backlight：Auto, Manual** When select Auto, the backlight will adjust automatically according to the around environment. Adjust the screen brightness (**0~100), default to 60** **Brightness：0~100, default to 50** Adjust the image brightness **Contrast：0~100, default to 50** Adjustment of the ratio between the brightest and darkest parts of the image . When adjusting, pay attention to the sense of hierarchy in the image. If the proportion is too large or too small, it can cause the image to lose its colorful appearance. **Saturation：0~100, default to 50** Adjustment of color concentration **Tint：0~100, default to 50**
	Display Range: Auto, Limit, Full This feature allows for the selection of a grayscale range. The

Color Adjustment	Limited grayscale range is 16-235, and the Full grayscale range is 0-255. (Grayscale represents changes in image brightness, using varying gray levels to depict brightness in different image areas. In grayscale, brightness increases from black to white, typically denoted by a numerical range from 0 to 255, where 0 signifies black and 255 indicates white, and intermediate numbers indicate varying grayscale levels.) 1. If the dark part of the picture lost, the details cannot be seen clearly. For example, the input signal is in the range of 0-255, but the monitor is set Auto or Limit, the brightness of 0-15 and 236-255 is removed, resulting the dark part details unclear. You can set to Full. 2. If the picture is gray, the black part turned gray. For example, the input signal is in the range of 16-235, but the monitor is set Full , resulting the black part turn gray. At this time,you can set to Auto or Limit. **Color Temp.：5600K, 6500K, 9300K, User** Under the **User**, the red, green and blue of the image can be adjusted (0~255), made the colors of the image achieve your favorite.
F **Shortcut Key**	All Waves, Waveform, Vector, Histogram, Embedded Audio, Center Marker, Safe Frames, Grid, Focus Assist, False Colors, Zebra Pattern, Anamorphic, Image Freeze, Check Field, Zoom Mode, Image Flip, Aspect Ratio, Ratio Marker, LUT, Touch Switch Set the function for F1~F3 key which on the top of the monitor for example, choose "Histogram" in F1, exit the menu after selection, and press the F1 key directly to quickly call up the histogram. Same setting for F2~F3

Left Right Key Set	**Volume, Backlight**

 System

User Switch	**User Switch: 1~4** you can save the set menu as 1-4 and can be called directly next time
Language	English, 简体中文, Español, Português, Français, Nederlands、Deutsch, 日本語, **繁體中文, 한국어로, русский язык,** Italiano
OSD Option	**OSD Time：Off, 15Sec, 30Sec, 45Sec** Select the display time of the menu on the screen **OSD Trans: Off, 25%, 50%, 75%** Adjust the transparency of the menu picture background on the screen **No Signal: Red, Green, Blue, Black, White, Gray** Can be change the background color of screen when no signal
Source	HDMI1, HDMI2
Tally	**On, Off**
EDID Settings	**EDID Settings: 2.0, 1.4** Compatible with resolution of different camera/device Default to 2.0 (if set 1.4 manually, then input 4K60 signal, you need to set to 2.0 again)

 Volume	**On, Off** 0~100 Adjusting the speaker volume
 Power Settings	**Power on: Auto, Manual** Default to Auto. If set Manual, please press power key to turn on after the power plug in.
 Reset	Select **Reset** and press MENU button **Confirm**, the system back to original setting.
 Firmware Update	**Firmware Version** (display the version number) **Firmware Update** **Confirm**

4. How to Load LUT

4.1 SD card format

Support FAT32 or NTFS. For MAC system, the SD card should be

formatted in MS-DOS (FAT)

4.2 Max Files Limit Maximum 32 Lut files

4.3 File requirements

- The LUT file format suffix should be .cube
- Single file not exceeded to 7.9Mb
- Support LUT-3D-Size 17,32,33,64,65

Remark: LUT file name must be English or Arabic numerals

4.4 Steps for loading

4.4.1 Make sure the SD card correctly insert

4.4.2 Enter main menu **User Option--LUT**-- **LUT Import -- Confirm** to load

the monitor will auto detect the SD card

A. There is no SD Card, the screen will show failed,can try once more,if not work, restart the monitor and try again

B. There is SD Card, the monitor will erase the exits user's lut fill and show "Initializing" , If there is no valid lut file in SD card, the lut will not load.The monitor will show "clean up"

C. If there is valid lut file in SD card, the monitor will load lut files and show "[n] name. The [n] shows the quantity number. The "name" should in lut files' name. If load successful, the screen will show "complete[n]". [n] Stands for the quantity number for lut files should under 32.

5. Technical Parameters

Panel Size	10.1" touch screen
Resolution	1920 × 1200 pixels
Dot Pitch	0.113(W) x 0.113(H) (mm)
Aspect Ratio	16:10
Brightness	2000cd/m^2 (Light Sensor)
Contrast	800:1
Viewing Angle	85°/85°(L/R) 85°/85°(U/D)
Backlight	LED
Signal Input	HDMI1, HDMI2
Signal Output	HDMI
Audio	3.5mm Stereo Headphone
HDMI Input/ Output Support Format	480i/480p/576i/576p 720p (60/59.94/50/30/29.97/25/24/23.98) 1080i (60/59.94/50) 1080p (60/59.94/50/30/29.97/25/24/23.98) 3840x2160p (60/50/30/29.97/25/24/23.98) 4096×2160p (60/50/30/29.97/25/24/23.98)
Power Output	DC OUT 8V
Power Input Voltage	DC 7～24V

Power Consumption	≦28W
Unit Size	242Lx165Hx23D (mm)
Unit Weight	810g
Mount Points	(3) ¼-20 thread points (left, right, bottom)
Working Temperature	-10℃～50℃
Storage Temperature	-20℃～60℃

6. Trouble Shooting

6.1 Only black and white or monochrome picture:

① please check saturation, brightness & contrast adjustment.

② Please check "Monochrome" is in black, white or monochrome image or other condition.

6.2 NO Image after put on the power

① Check if signal cable connecting is in good condition.

② Check signal cable connecting, and make sure to use the standard adapter to connect the monitor. If power is supplied by battery, please check if the battery is fully charged.

6.3 Earphone No sound

① Check if Volume control do not open, press the volume button, and try to increase the volume.

■ If there are still other problems, please contact with our related technologists.

★ As we are improving product features and product performance, so if there is any change on the specification without prior notice.