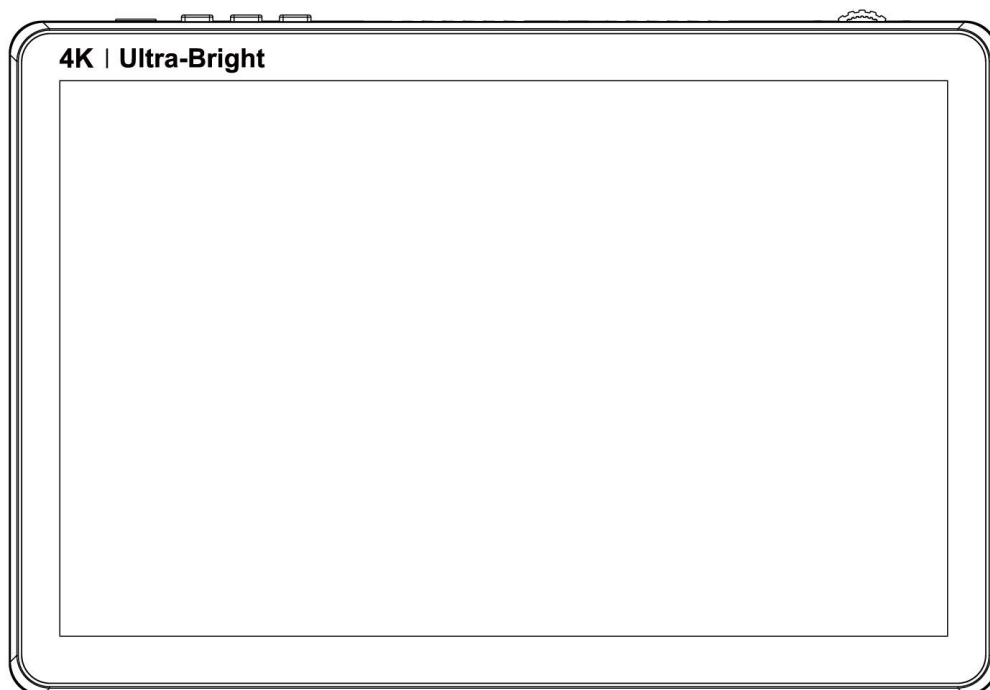


10.1" 3D LUT Touchscreen Monitor

Daylight Viewable|F970 Install and Power Kit



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, 3G-SDI
- Support HDR monitoring, what you see is what you get

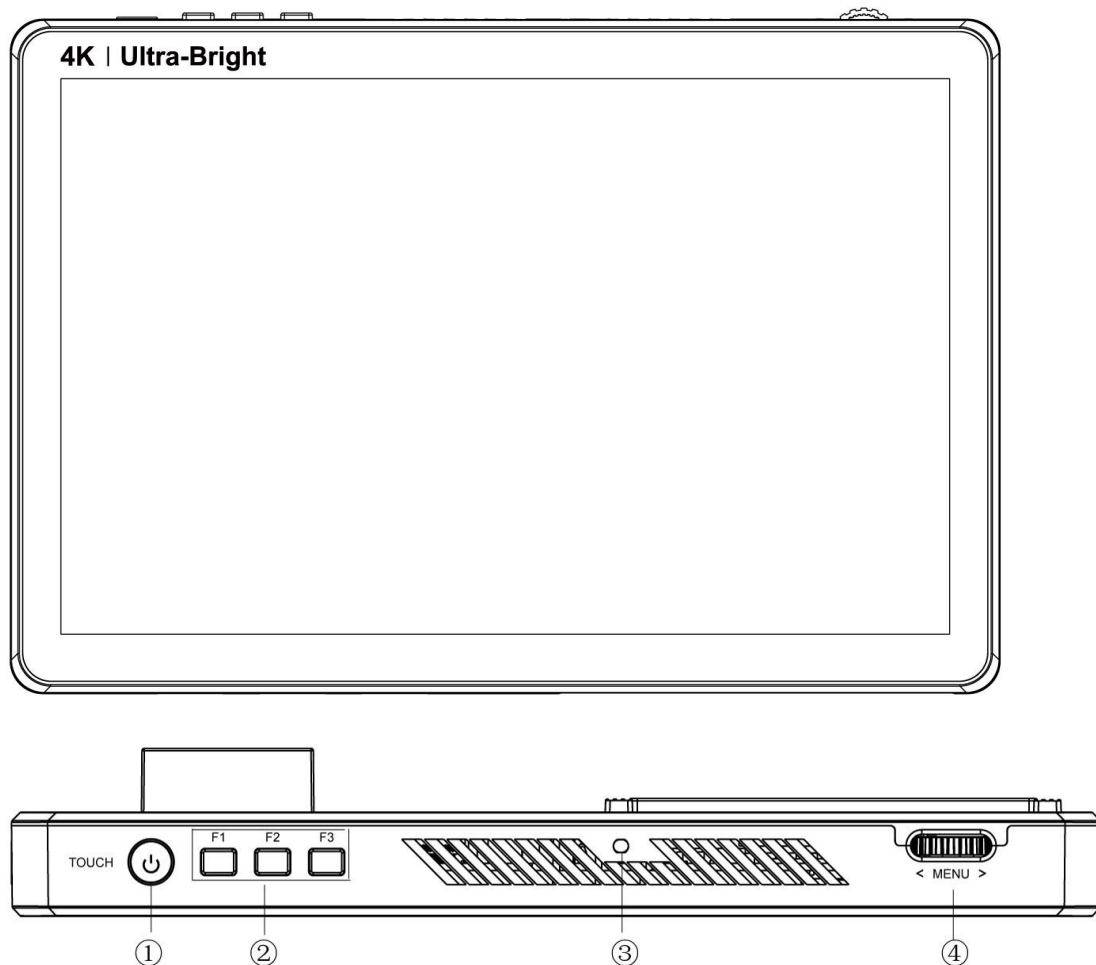
- Support 3D LUT Log to REC.709 and user 3D LUT upload(up to 50)
- Sony F970 external install and power kit design can be used to install and supply power to external equipment, easy to install and disassemble, simplify your photography equipment.
- With Waveform, Vector scope, Histogram, Focus Assist, 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


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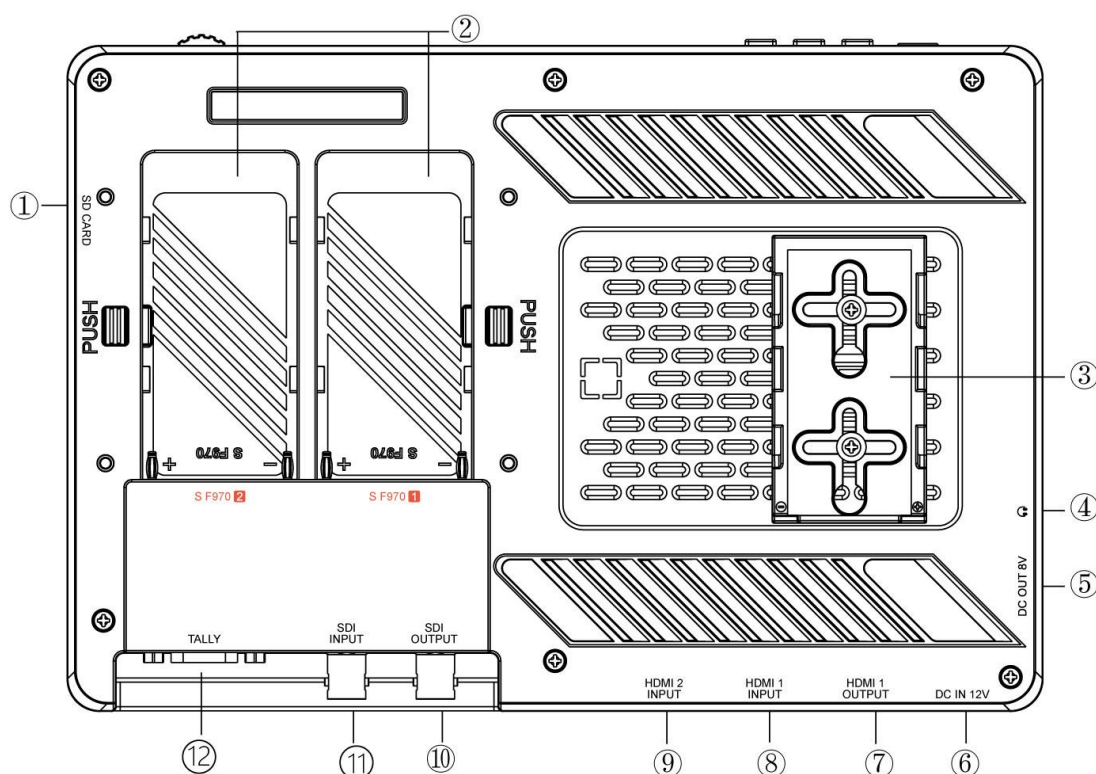
1. Product Description

1.1 Button Instruction



- 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. SDI Signal Output

⑪. SDI signal input

⑫. 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 

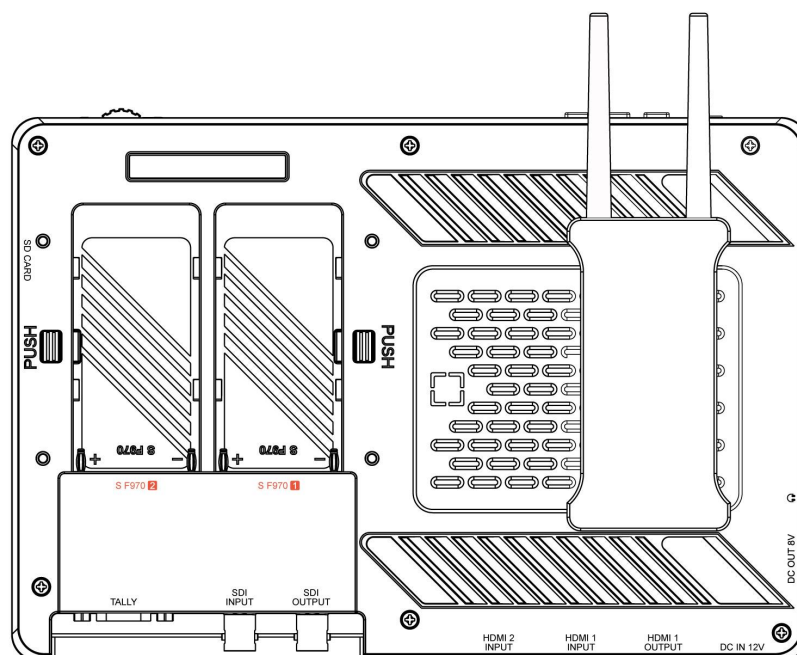
Barrel output for powering your camera with a separately available DC coupler via adaptor (NP-FW50 Sony & LP-E6 Canon&DMW-BLF19 Panasonic). More adapters coming soon.

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.

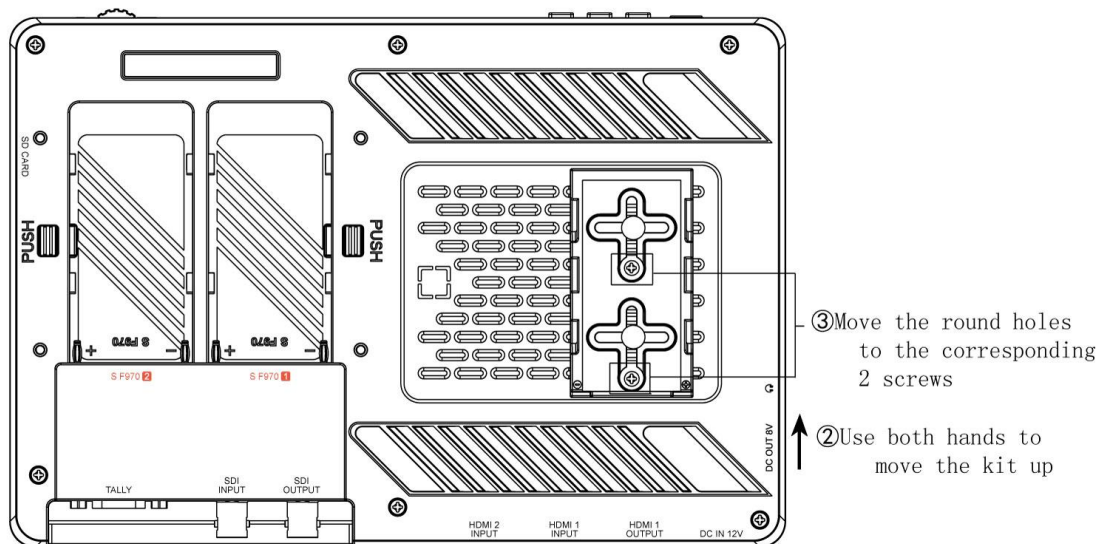
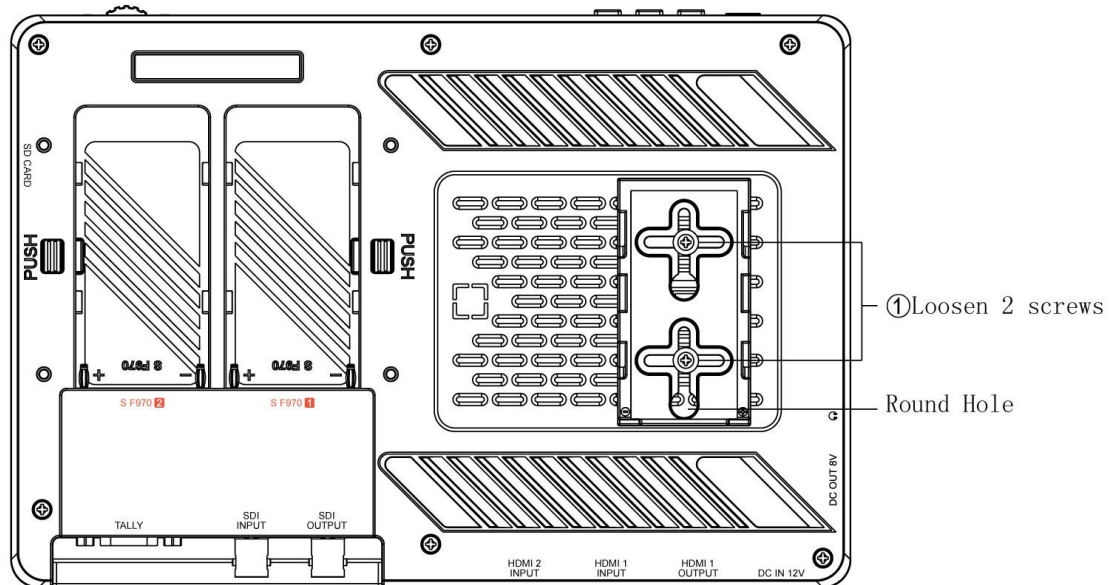


(1) Just move the kit: Loosen 2 screws, and then adjust up / down / left / right.

(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.

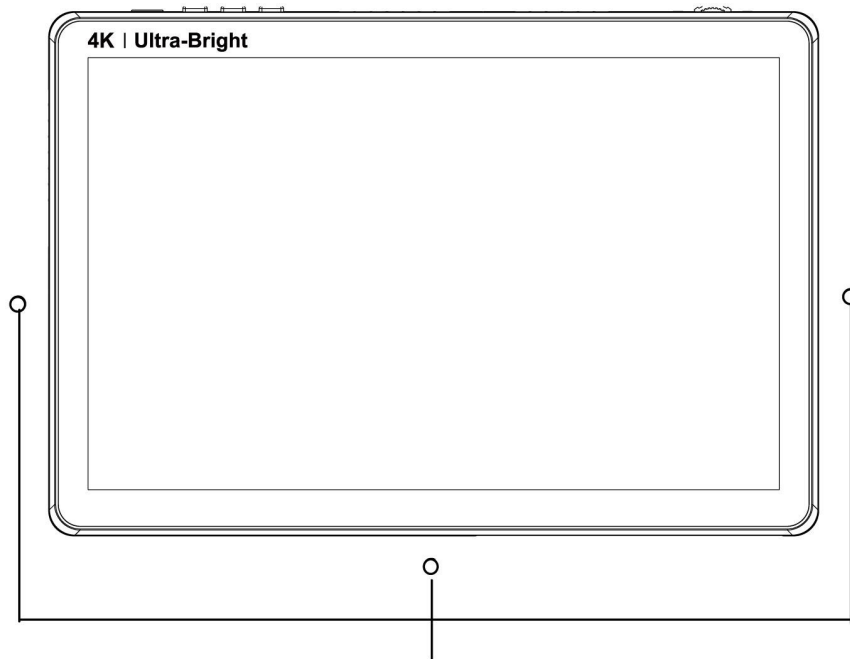
(You can also install the kit upside down.)



- 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) $\frac{1}{4}$ -20 thread points (bottom, right & left) can be easily connected to the hot shoe mount, tripod fixed installation.

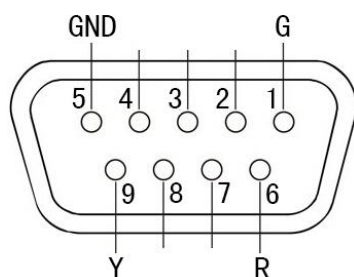


(3) $\frac{1}{4}$ -20 thread points

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  button display (red indicating). Long press  button to turn on the monitor and turns yellow indicating. After the signal is connected, the  button turns green indicating. After startup, short press  button to select to turn the screen touch function on or off.

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

- 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, and click on the corresponding

menu box to open or set the corresponding function. Click



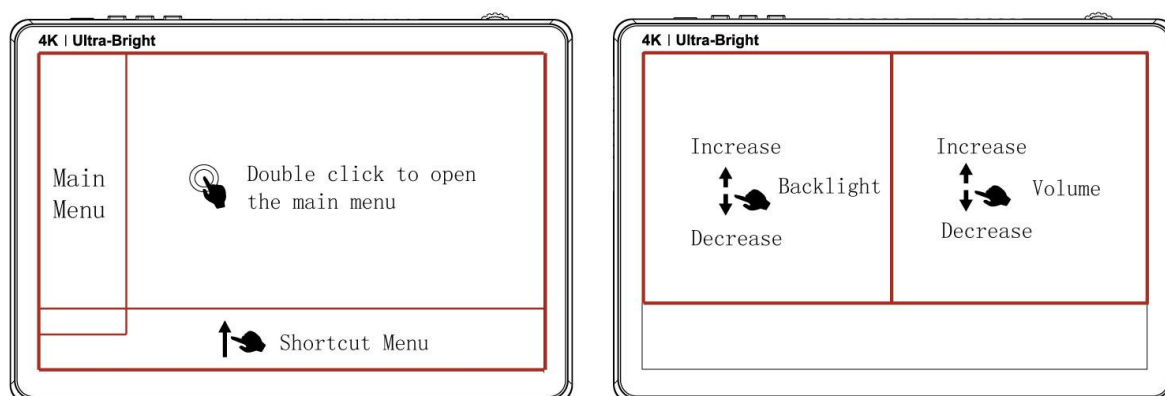
the hide icon to close detailed parameters, and click




the menu icon to display detailed parameters.

- 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:

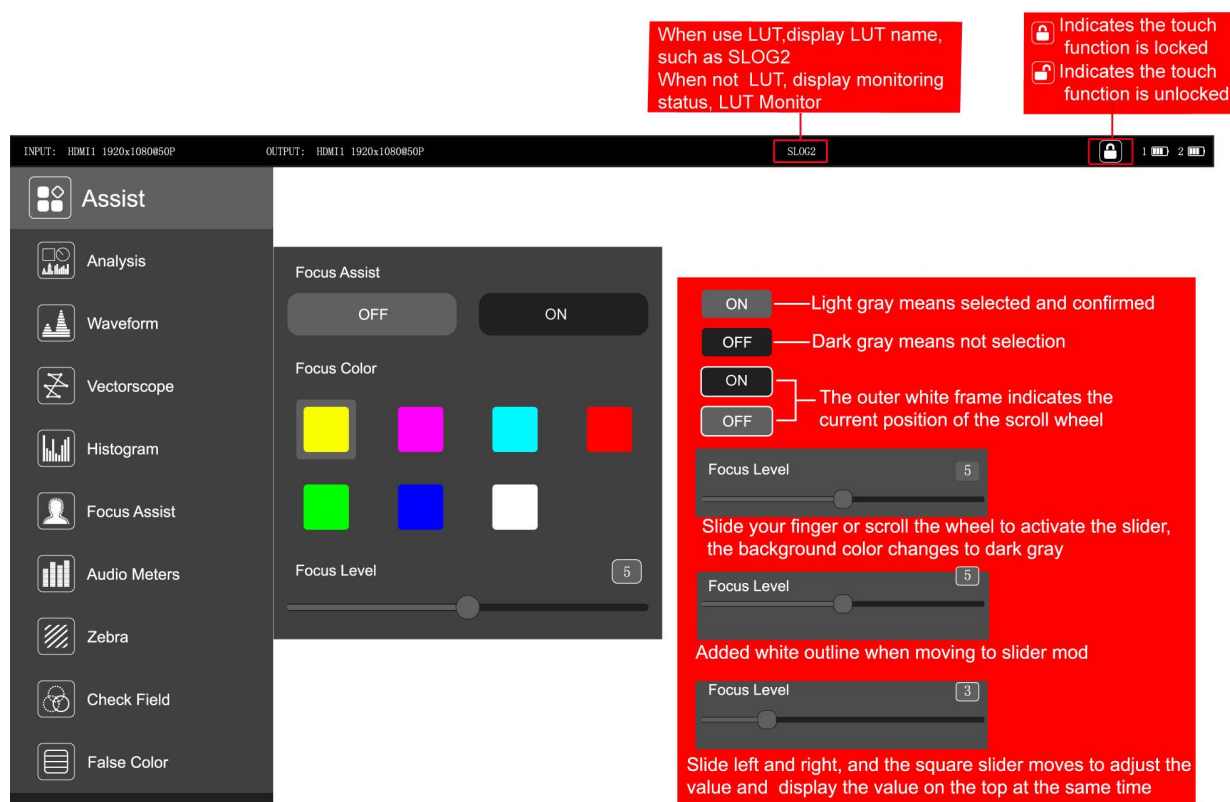


2.2 MENU Wheel Menu Operation

- ①. When the menu is not displayed, directly rotate the wheel to backlight or volume adjustment. The wheel option can be set to backlight or volume in the menu .
- ②. Short 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 open the shortcut menu (below the screen), rotate the wheel to select the shortcut menu option, press the wheel to directly turn on/off the function, if you press the parameter selection, repeat the above operation. Tap the screen or long press the wheel to exit.


2.3 MENU UI Instruction









3. Menu Function Instruction






Assist

 <p>Analysis</p>	<p>OFF, ON</p> <p>After turning on, waveform, vector, histogram and embedded</p>
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	audio will be shown.
 Waveform	<p>OFF, ON</p> <p>Type: RGB, YUV, Y</p> <p>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.</p> <p>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.</p> <p>Luminance Waveform (Y)</p> <p>Display: A white/gray curve representing the overall brightness distribution of the frame.</p> <p>RGB Component Waveform</p> <p>Display: Independent red, green and blue channel waveform, presented side by side.</p> <p>YUV Waveform</p> <p>Separates color and luminance. Y represents the luminance signal, while U and V represent the blue-yellow and red-green chrominance signals respectively.</p>
 Vectorscope	<p>OFF, ON</p> <p>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</p>




	professional scenarios such as film and television production, live streaming, and broadcasting.
 Histogram	<p>Histogram: OFF, ON</p> <p>Y Histogram: OFF, ON</p> <p>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.</p> <p>RGB Histogram: OFF ON</p> <p>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.</p>
 Focus Assist	<p>OFF, ON</p> <p>Focus Color: Yellow, Magenta, Cyan, Red, Green, Blue, White</p> <p>After turned on, the Focus Level (1~8) and Focus Color can be adjusted.</p> <p>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.</p>
 Audio Meters	<p>OFF, ON</p> <p>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.</p>
 Zebra	<p>OFF, ON</p> <p>After the Zebra is turned on, the Zebra Value (0IRE~100IRE)</p>

	<p>can be adjusted.</p> <p>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.</p>
 Check Field	<p>Monochrome Display: OFF, ON</p> <p>Display Color: red, green, blue, gray</p> <p>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.</p>
 False Color	<p>OFF, ON</p> <p>Type: Spectrum, ARRI</p> <p>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.</p>
 Tally	<p>OFF, ON</p>



Marker







 Crosshatch	<p>OFF, ON</p> <p>Type: 3x3, 4x4, 5x3, 5x5, 6x4, 6x6</p> <p>Color: Yellow, Magenta, Cyan, Red, Green, Blue, White</p>
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	Designed for rule-of-thirds composition,It divides the screen into equal grids of 9cells for optimized framing, and the number of grid rows and columns is fully customizable.
 Safe Areas	OFF, ON Marker Line Type: 70%, 80%, 90%, 16:9, 16:10, 4:3, 5:4, 1:1, 1.91:1.1, 4:5, 9:16: 1.85:1, 2.35:1 Marker Line Color: Yellow, Magenta, Cyan, Red, Green, Blue, White Prevent edge cropping of the frame, ensure subtitle/subject remain fully visible, and adapt to different playback devices.
 Crosshair	OFF, ON Marker Line Color: Yellow, Magenta, Cyan, Red, Green, Blue, White
 Cinema Guides	OFF, ON Marker Line Type: 16:9, 16:10, 4:3, 1.85:1, 2.35:1, 2.41:1, 1.9:1, 5:4, 1:1.9 Marker Line Color: Yellow, Magenta, Cyan, Red, Green, Blue, White After the Marker Mat is turned on, the Marker Mat Alpha (0%, 25%, 50%, 75%) can be adjusted. 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
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 Aspect Ratio	OFF, ON Type: Auto, 16:9, 16:10, 4:3, 5:4, 1.85:1, 2.35:1, user Under the “user”, you can customize the Video Width (100% ~ 300%), Video Height (100% ~ 300%)
 Anamorphic	Lens: OFF, ON Lens Type: 1.25x, 1.33x, 1.5x, 2.0x, 2.0x mag 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.
 Mirror	Mirror: OFF, ON Auto Mirror: OFF, ON After turning on, the image will automatically adjust upside down. Horizontal Mirror: OFF, ON Vertical Mirror: OFF, ON 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 Times	Image Zoom: OFF, ON Zoom Times: 1.0x~5.0x Magnify the central area of the screen for precise focusing, detail inspection and image quality verification.
 Freeze	OFF, ON
 Pixel to Pixel	OFF, ON A display mode that maps the monitor's input signal pixel 1:1 to its physical screen pixels, presenting the signal with no

	<p>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.</p> <p>Note: This function is only available when the input signal resolution \leq the monitor's physical resolution.</p>
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User Options







 HDR	<p>HDR: OFF, ON</p> <p>Camera: After turning on, can choose Gamma and Gamut corresponding to the camera RED, ARRI, Sony, Canon, Panasonic, Fujifilm, Bolex</p> <p>HDR can provide more dynamic range and the details of image, it is better to reflect the visual effects in the real environment.</p>
 LUT	<p>LUT Switch: OFF, ON</p> <p>SDI Out (LUT) : OFF, ON</p> <p>Under the SDI signal, you can choose whether to loop out the LUT after the LUT function is turned on</p> <p>LUT Import: OFF, ON</p> <p>LUT List: display built in SLOG2, SLOG3, LOGC, VLOG and the custom LUTs</p> <p>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</p>
 Display Setup	<p>Brightness: 0~100</p> <p>Contrast: 0~100</p> <p>Saturation: 0~100</p>

	<p>Hue: 0~100</p> <p>Sharpness: 0~100</p> <p>Backlight Mode: manual, Auto</p> <p>Under "Manual", the Backlight (1~100) can be adjusted manually.</p> <p>Under "Auto", the backlight is automatically adjusted by the light sensor.</p>
 Color	<p>Color Space: REC709, DCIP3, BT2020</p> <p>Color Temp.: 5600K, 6500K, 9300K, User</p> <p>Under the “user”, the red, green, and blue values of the image can be adjusted (0~255)</p>



System

 Wheel	<p>Backlight, Volume</p> <p>After selecting the wheel option, you can click Backlight or Volume , or rotate the wheel to select one of the shortcut key to set it to the rotary wheel adjustment (when the menu is not displayed).</p>
 Shortcut	<p>F1 Function, F2 Function, F3 Function</p> <p>Shortcut List: Analysis, Waveform Type, Y Histogram, Audio Meters, Crosshatch Type, Marker Line Type, Crosshair, Monochrome Display Color, False Color Type, Focus Level, Zebra, Color Space, Color Temp., HDR, LUT Switch, Scan Mode, Aspect Ratio Type, Lens Type, Pixel to Pixel, Mute, Input, Freeze, Auto Mirror, Tips</p> <p>Set the shortcut function</p> <p>e.g.: Tap the menu  select F1Function, then select one of function on Shortcut List, such as “Analysis”. So when you exit menu, you could press F1 directly on the front of panel to turn on “Analysis” function.</p>

	Same setting for F2, F3
 Input	HDMI1、 HDMI2、 SDI
 Language	English、 中文、 Français、 Tedesco、 Italiano、 Español、 日本語、 한국、 Русский
 OSD Setup	OSD Time: always, 15s, 30s, 45s OSD Alpha: OFF, Lo, Mid, Hi
 Volume	Mute: OFF, ON Volume: 0~100
 Power display	OFF, ON After turning on, the battery level will be displayed in the upper right corner of the screen.
 Firmware Update	Firmware Update, Restore After copying the update file to the SD card and inserting it into the SD card slot, you can click Update or rotate the wheel to update. Note: the chip should be faced up when inserting the SD card, and press it after inserting to ensure that the SD card is fully inserted. Restore: click Restore or rotate the wheel to restore the system.

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 50 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 50.

5. Support Formats

SDI Input Support Format	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) 2048x1080i (60/59.94/50) 2048x1080p (60/59.94/50/30/29.97/25/24/23.98)
SDI Output Support Format	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)
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) 4096x2160p (60/50/30/29.97/25/24/23.98)

6. 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	SDI , HDMI1, HDMI2
Signal Output	SDI, HDMI, DC OUT 8V
Audio	3.5mm Stereo Headphone
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℃

7. Trouble Shooting

7.1 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.

7.2 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.

7.3 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.