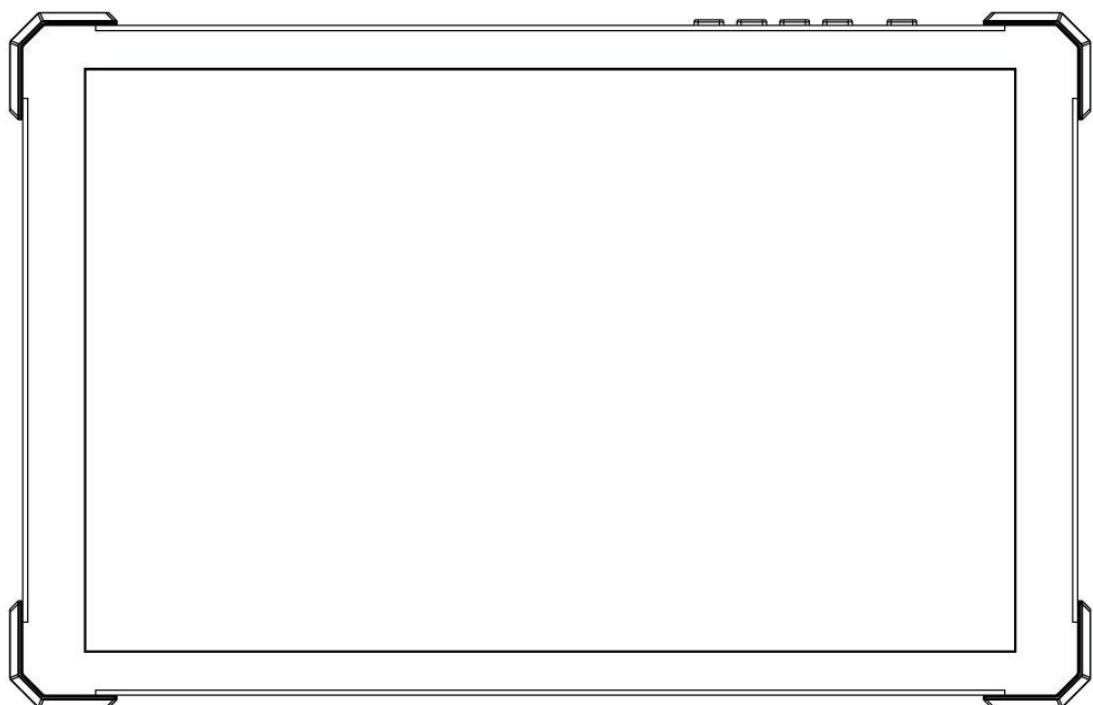


10.1" Aluminium Field Monitor



User Manual

Foreword

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

Caution

- Please avoid the heavy impact and drop onto the ground when move the product.
- The screen of this product is made of glass. Please do not drop the screen towards the ground. Keep away from injury if the screen is broken.
- Keep the product away from the heat source, and avoid the prolonged exposures to the sun as the LCD screen will be damaged.
- To avoid damaging the product, please do not take apart or repair the unit by yourself without the adjustable components in the unit.
- In order to better maintain the LCD screen and protect the cover, please follow the following ways to avoid damages.
 1. Please refrain from using the hard objects to hit the screen.
 2. Please do not force to wipe the screen.
 3. Please do not use the chemical solutions to clean the screen.
 4. Please do not spray any detergent on the screen.
 5. Please do not write on the screen directly.
 6. Please do not stick on the screen.
 7. Please simply wipe with a clean soft cloth and make sure no water on the screen.

Key Features

- 10.1-inch full HD IPS screen.viewing details with confidence
- Solid and durable aluminium housing

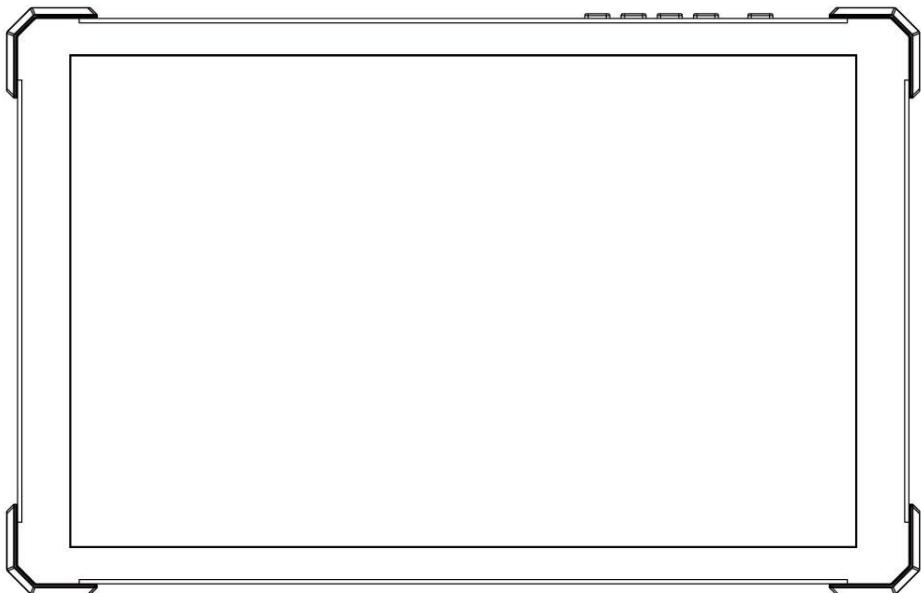
- Touch screen and intuitive button operation, meet different needs
- Sony F970 external install and power kit design can be used to install and supply power to external equipment, easy to install and disassemble, simplify your photography equipment.
- Supports 3D LUT Log to REC.709 and user 3D LUT upload (up to 32).
- 4-group user switching, quickly access the already set menu
- Waveform, Vector, Histogram and audio meter can moveable horizontally and vertically
- HDR monitoring, what you see is what you get
- Stereo Earphone output

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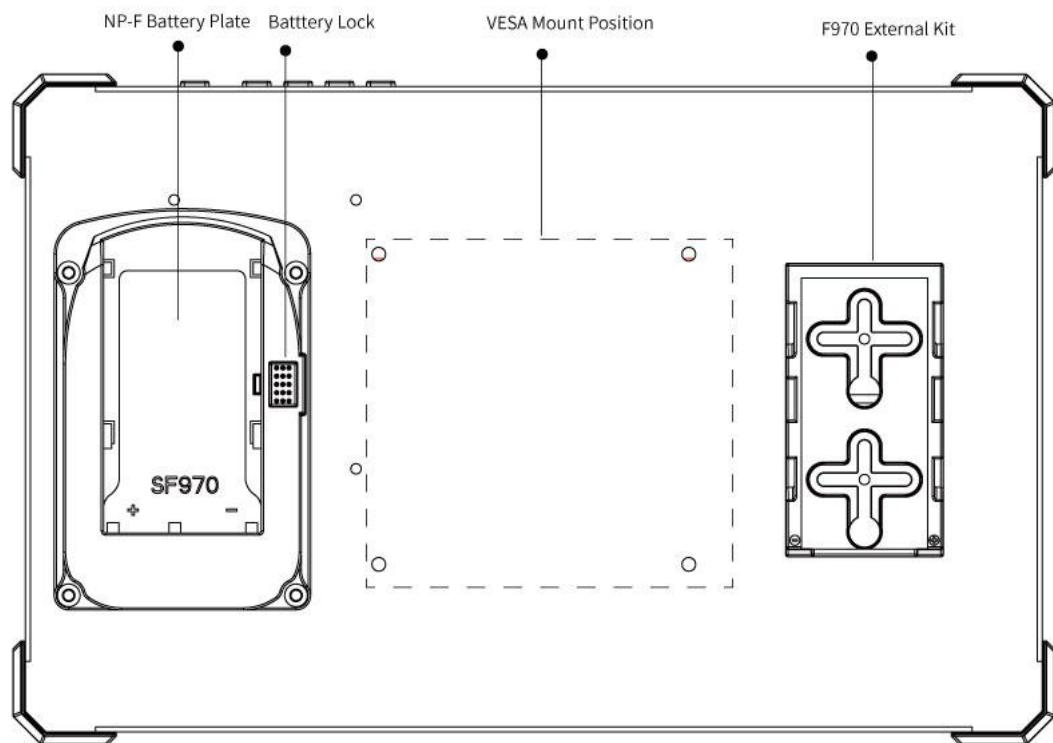
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1. Product Description

1.1 Front Panel Instruction



1.2 Rear Panel Instruction



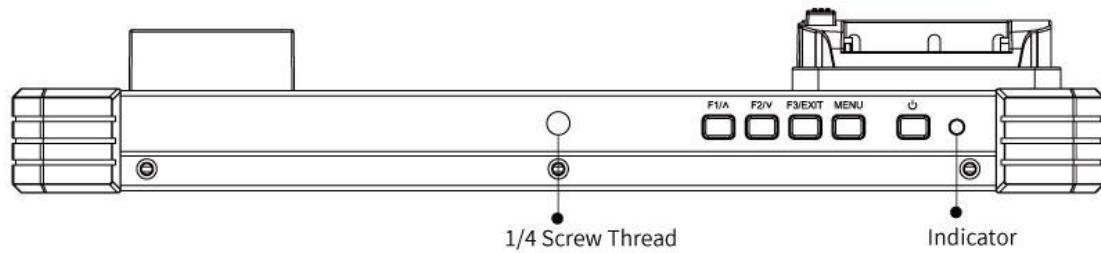
NP-F Battery Slot: It is applicable to install NP-F series of batteries.

Battery Lock: The battery lock will lock after the battery installed, please press the lock button firstly before remove the battery.

VESA Mount Position: 75x75mm

F970 External Kit: Installing the external equipment, like wireless transmitter, LED light, video converter and others which can be powered by Sony F970 battery. (The details see: **1.7 Sony F970 Install and Power Kit**)

1.3 Top Instruction

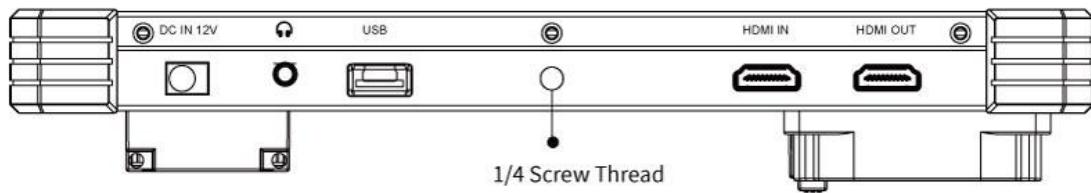


1/4 Screw Thread: can be easily connected to the hot shoe mount, tripod fixed installation.

Button	Function when OSD is not displayed	Function when OSD is displayed
F1/A	Custom function button F1	Select previous menu item; Increase or adjust value of selected parameter
F2/V	Custom function button F2	Select next menu item; Decrease or adjust value of selected parameter
F3 EXIT	Custom function button F3	Return/Exit Menu
 MENU	Display OSD Main menu	Confirm button
 ⏪	Long Press Power On/Off; Short Press Turn ON/Off touch function	

Indicator: After connecting the power, the indicator light is on (red). after the monitor turning on, it turns yellow. After the signal is connected, it turns green.

1.4 Bottom Ports Instruction



DC IN 12V: DC power input, polarity as the input power 

 : 3.5mm earphone port output

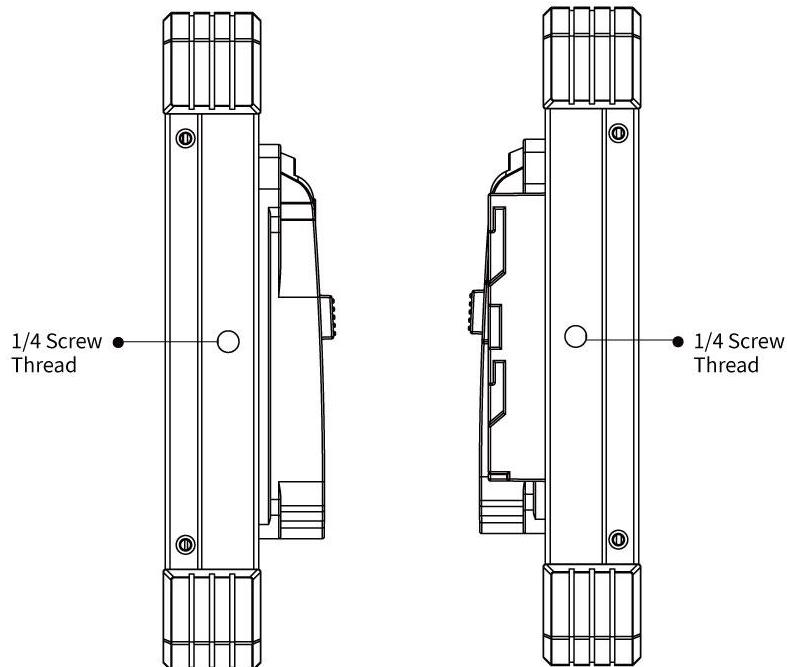
USB: Firmware update/LUT file import

1/4 Screw Thread: can be easily connected to the hot shoe mount, tripod fixed installation.

HDMI IN: V2.0, HDMI signal input, up to 4K@60Hz.

HDMI OUT: V2.0, HDMI signal output, up to 4K@60Hz.

1.5 Side Instruction



1/4 Screw Thread: can be easily connected to the hot shoe mount, tripod fixed installation.

1.6 Power Supply Way

(1) The rear cover of the monitor is equipped with a F970 battery plate, which is applicable to F970 series of batteries. The V-mount battery plate is for optional.

• **Sony F970 battery plate for battery of Sony DV:**

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

Remark: Please take off the battery from the monitor if you don't use the monitor in a long time.



F970 Battery Plate (standard)

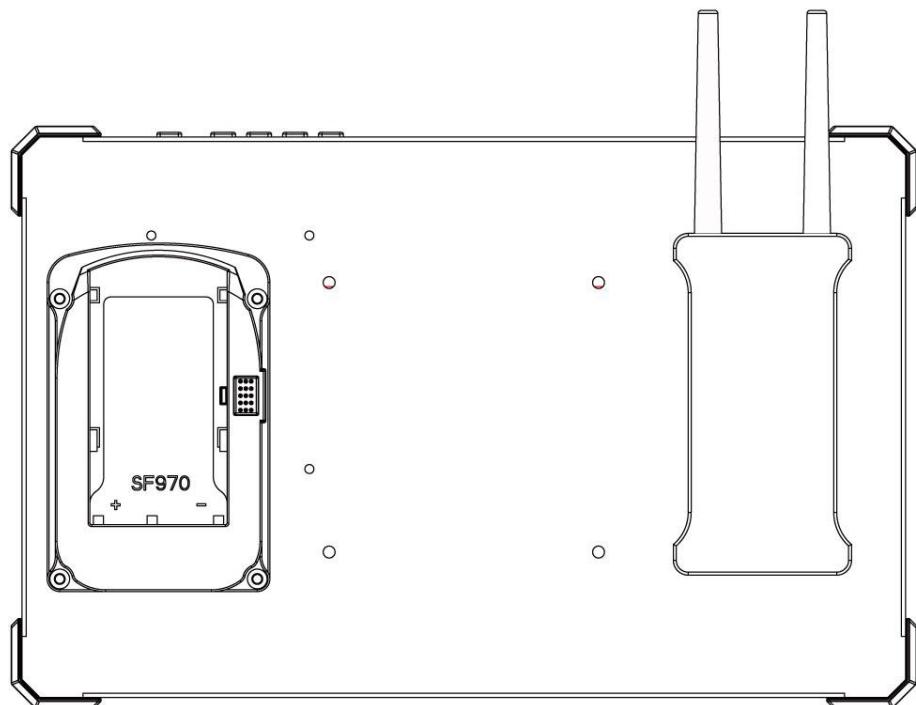


SONY V-mount Plate (optional)

(2) The left side of the monitor has a DC 12V input power port (5.5mm outer, 2.1mm inner) and supports 7 ~ 24V wide voltage. The DC power adapter needs to be purchased separately.

1.7 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.



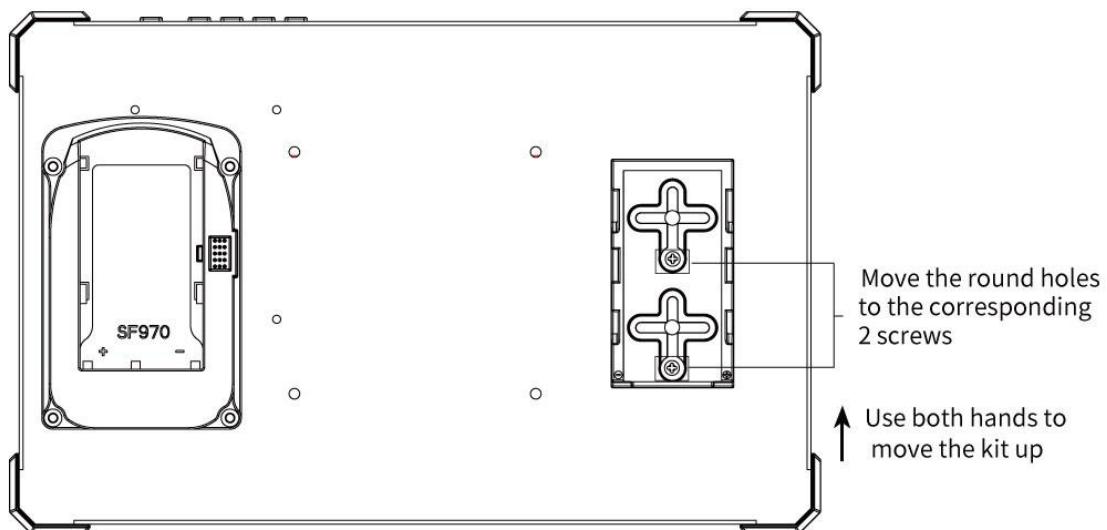
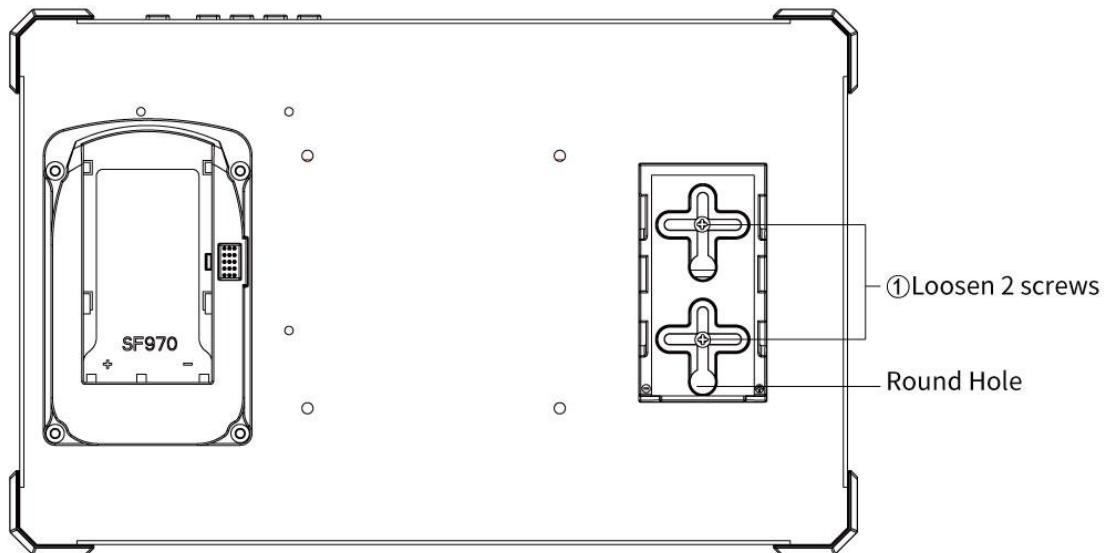
The kit has two cross grooves, you can adjust the position of the external device by loosening 2 screws up and down / left or right, or install the kit upside down. When you don't need the kit, you can loosen the screws and remove the kit.

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.

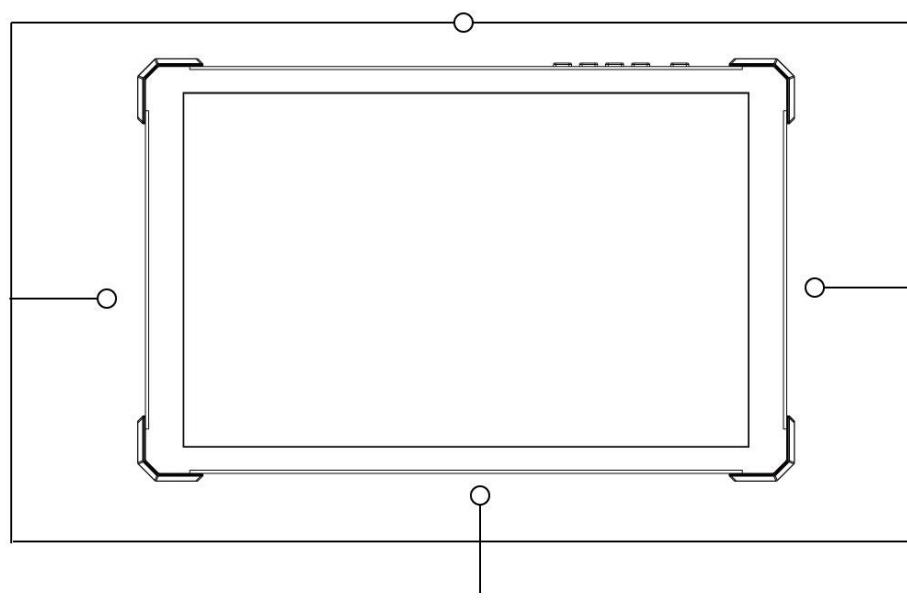


- ④. Then gently lift the kit upwards and carefully disassemble the 2P power cord.
- ⑤. Then remove the 2 screws

1.8 Mount Way

(1) 1/4-20 Screw Thread Points

There are (4) 1/4-20 thread points (top, bottom, right side & Back center) can be easily connected to the hot shoe mount, tripod fixed installation.



(2) U-shape Bracket



2. Menu Operation Instruction

After the monitor is properly connected to the power supply, the  button display(red indicating). Then the monitor will turn on automatically, the indicator light turns yellow, and after the HDMI signal is input, the indicator light turns green. When Press  button to shut down the monitor but the power still connected, please press  button manually to turn on .

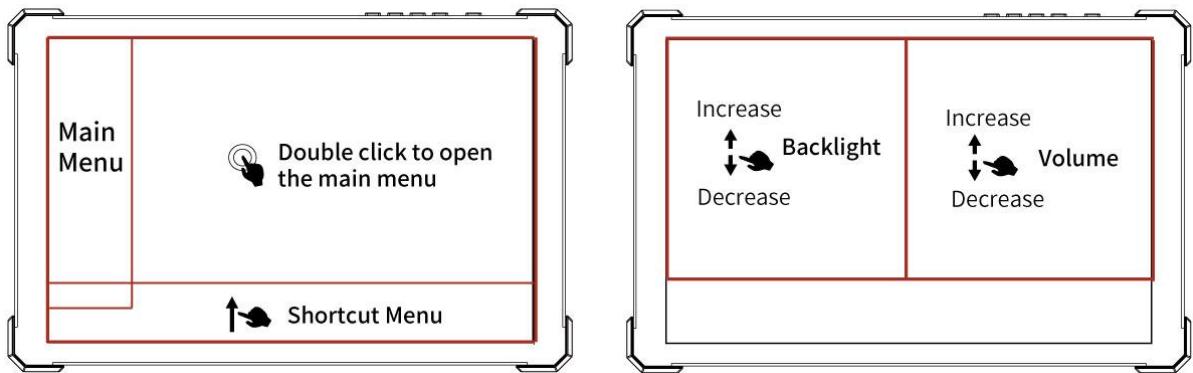
After startup, short press  button to select to turn the screen touch function on or off.

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.
- ②When 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. (remark: the shortcut menu can't set the detail function or parameters, you can set on main menu)

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.

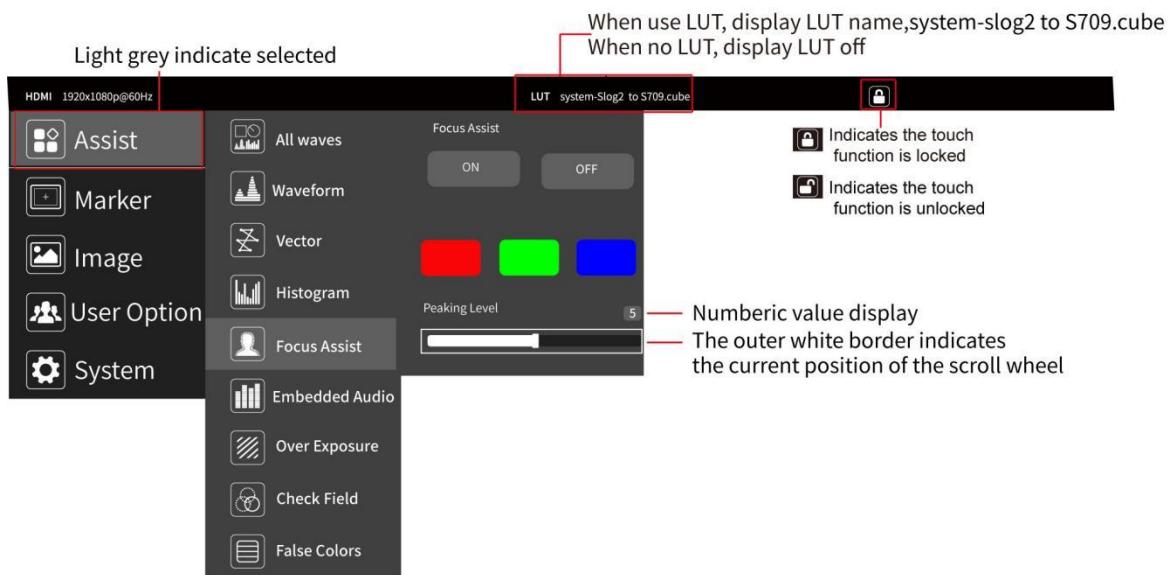
Figure:



2.2 Button Menu Operation

- ①. Press “**MENU**” button to enter OSD main menu, press “**F1/Λ**” or “**F2/∨**” button to select first level items, then press “**MENU**” button confirm to enter secondary menu, press “**F1/Λ**” or “**F2/∨**” button to select items.
- ②. After selected press **MENU** button to confirm and enter function menu, press “**F1/Λ**” or “**F2/∨**” button to select the corresponding function or adjust the parameters.
- ③. Press **F3|EXIT** button to return / exit the menu

3. MENU Interface Instruction



4. Menu Function Instruction



Assist

 All Waves	On, Off After turning on, waveform, vector, histogram and embedded audio will be shown.
 Waveform	On, Off Mode : RGB, YUV, Y Waves Trans. : Off, 25%, 50%, 75% Position X: 0~100 (moving the waveform horizontally) Position Y: 0~100 (moving the waveform vertically) This essential feature assists with the calibration of professional video cameras. It shows the overall brightness of the image assisting the video professional in correcting exposure. The waveform feature also checks the evenness of the lighting when

	lighting a chromakey or background.
 Vector	<p>On, Off</p> <p>Position X: 0~100 (moving the Vector horizontally)</p> <p>Position Y: 0~100 (moving the Vector vertically)</p> <p>shows how saturated the image is and where the pixels in the image land on the color spectrum.</p>
 Histogram	<p>On, Off</p> <p>Mode: RGB1、RGB2、Y</p> <p>Position X: 0~100 (moving the histogram horizontally)</p> <p>Position Y: 0~100 (moving the histogram vertically)</p> <p>RGB Histogram:It can display the graphic of color tone distribution, can intuitively display the exposure status of the image, and display overlapping histograms in red, green, and blue channels</p> <p>Y Histogram: A quantitative tool to check the picture brightness, display different color for different brightness.</p>
 Focus Assist	<p>On, Off</p> <p>Color : (Red, Green, Blue)</p> <p>Peaking Level : you can adjust the peaking level after turning on (1 ~ 10)</p> <p>It highlights the areas that are in focus so you are able to quickly focus the camera and not miss crucial shots.</p>
 Embedded Audio	<p>On, Off</p> <p>Position X: 0~100 (moving the audio level horizontally)</p> <p>Position Y: 0~100 (moving the audio level vertically)</p> <p>The Audio Level Meters provide numerical indicators and headroom levels.</p>
 Exposure Level	<p>On, Off</p> <p>Exposure Level : you can adjust the exposure level after</p>

Over Exposure	turning on (10~100) 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.
 Check Field	On, Off Mode : Red, Green, Blue, Mono When enabled, hue and saturation adjusted quickly and accurately
 False Colors	On, Off Mode: Normal, ARRI An image that depicts an object in colors that differ from those a photograph (a true color image) would show.



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 The area of the picture can be divided into 4, 9, 16, 25, 36, 49, 64, 81 equal grids.
 Safe Frames	On, Off Mode: 80%, 85%, 90%, 93%, 96%, 2.35:1 Color: Red, Green, Blue, Black, White, Gray

	On, Off Color : Red, Green, Blue, Black, White, Gray
	On, Off Mode: 4:3、13:9、14:9、15:9、16:9、1.85:1、2.35:1 Color: Red, Green, Blue, Black, White, Gray Modified Mark : 0~5



Image

	Under Scan, Over Scan
	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.
	On, Off Mode: 1.33X, 1.6X, 2.0X, 2.0X MAG, User Under the User , can be customized (1.20X~2.00X) Allows you to use anamorphic lenses or adapters and see the image unsqueezed, even if your camera does not de-squeeze in camera.
	On, Off Mode: H Flip, V Flip, H_V Flip
	On, Off Mode: 2X、4X、9X、16X、User

Zoom Mode	Under the User , can be customized (100%~200%) It is HD signal in any part, an amplification for high quality close-up.
	On, Off
Image Freeze	
	On, Off Enable the filmmaker to check the image from the 1:1 signal source without scaling. This feature is essential for capturing optimum detail.
P2P	



User Option

	On, Off After the LUT Switch is turned on, you can use the Lut (SLOG2, SLOG3, LOGC, VLOG) . 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 Lut Import: Confirm Lut Table Show the 4 built-in Lut and the custom load Lut (up to 32)
	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
HDR	

	environment.
 Display Adjustment	<p>Backlight: 0~100 Adjust the screen brightness</p> <p>Brightness: 0~100 Adjust the image brightness</p> <p>Contrast: 0~100 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.</p> <p>Saturation: 0~100 Adjustment of color concentration</p> <p>Tint: 0~100</p>
 Color Adjustment	<p>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.</p>
 Shortcut Key	<p>All Waves, Waveform, Vector, Histogram, Embedded Audio, Center Marker, Safe Frames, Grid, Focus Assist, False Colors, Over Exposure, Anamorphic, Image Freeze, Check Field, Zoom Mode, Image Flip, Aspect Ratio</p> <p>To set the 3 shortcut custom button F1~F3 on the panel e.g.: Tap User option--Shortcut Key--F1 select one of functions, such as All Waves , the cursor will be changed to gray color after selected. Directly press F1 button of monitor panel to open All Waves</p>

	Same setting for F2~F3
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System

	<p>User Switch: 1~4 you can save the set menu as 1-4 and can be called directly next time</p>
	<p>English、简体中文、Español、Português、Français、Nederlands、Deutsch、日本語、繁體中文、한국어로、русский язык</p>
	<p>OSD Time: Off, 15Sec, 30Sec, 45Sec Select the display time of the menu on the screen</p> <p>OSD Trans: Off, 25%, 50%, 75% Adjust the transparency of the menu picture background on the screen</p> <p>No Signal: Red, Green, Blue, Black, White, Gray Can be change the background color of screen when no signal</p>
	<p>On, Off 0~100 Adjusting the speaker volume</p>
	<p>After click Confirm, the system back to original setting</p>
	<p>Firmware Version (display the version number)</p> <p>Firmware Update</p> <p>Confirm</p>

	<p>How to upgrade?</p> <ol style="list-style-type: none"> 1. USB flash driver format <p>Support FAT32</p> <ol style="list-style-type: none"> 2. After copying the update file to USB flash driver insert to USB interface of monitor , tap Confirm to update. 3. The monitor will turn off automatically after finishing, please turn on manually 4. Check the firmware version whether the latest one
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5. How to Load LUT

5.1 USB flash driver format FAT32

5.2 Max Files Limit Maximum 32 Lut files

5.3 File requirements

- The LUT file format suffix should be **.cube**
- Single file not exceeded to 7.9Mb
- Support LUT-3D-Size 16,17,32,33,64,65

Remark: LUT file name must be English or Arabic numerals

5.4 Steps for loading

5.4.1 Make sure USB flash driver insert to USB interface of monitor

5.4.2 Enter main menu --LUT--**Lut Import** -- **Confirm** to load

the monitor will auto detect the USB flash driver

If there is valid lut file in USB flash driver, 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.

PS: How to clear up the imported LUTs?

Insert a empty USB flash driver to the monitor, enter main menu



--LUT--Lut Import -- Confirm, the imported LUTs will be clear up.

6. Technical Parameters

Panel Size	10.1-inch (touch)
Resolution	1920 × 1200pixels
Dot Pitch	0.1128 (H) x 0.1128 (W) mm
Aspect Ratio	16:10
Brightness	500cd/m ²
Contrast	1500:1
Viewing Angle	80°/80°(L/R) 80°/80°(U/D)
Backlight	LED
Adjustable Backlight	Yes
Input	HDMI 2.0
Output	HDMI 2.0
Audio	3.5mm stereo headphone jack
Power In	DC IN 12V
HDMI Input/ Output Support Format	480i/576i/480p/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) 3840×2160p (60/50/30/29.97/25/24/23.98) 4096×2160p (60/50/30/29.97/25/24/23.98)
Power Input Voltage	7~24V
Power Consumption	≤10W
Unit Size (mm)	251.91*161.91*23.91 (mm)
Unit Weight	639g
Mount Points	1/4-20 thread points (left, right, top, bottom)

Working Temperature	-10°C ~ 60°C
Storage Temperature	-30°C ~ 70°C

7. Trouble Shooting

7.1 Only black and white or monochrome picture:

- ① please check saturation, brightness & contrast adjustment.
- ② Please check "Check Field" 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

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.