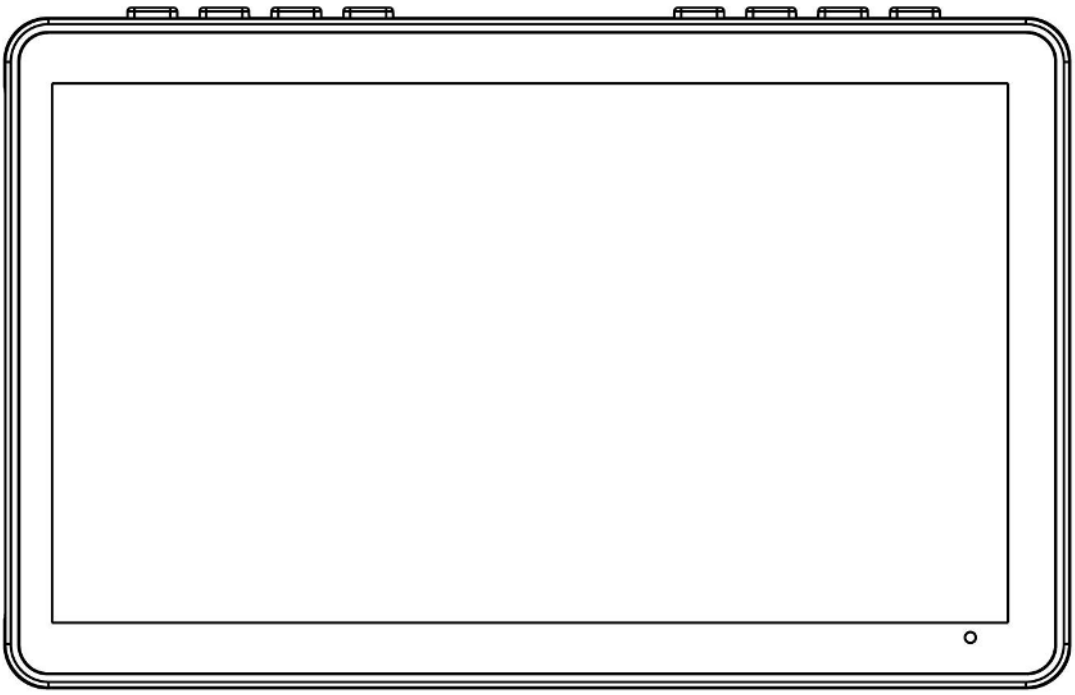
6″ Touchscreen Monitor

F970 Install and Power Kit



User Manual

V4.0

Foreword

Thank you for purchasing our 6-inch Full HD touch screen 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

- 6-inch 1920x1080 full HD IPS screen
- Touch screen and intuitive button operation, meet different needs.
- Supports 3D LUT Log to REC.709 and user 3D LUT upload (up to 32).
- 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, RGB Histogram, Focus Assist, Monochrome etc. functions, can help you accurately exposure and focus every shot.
- Multiple power supply modes, DC IN 12V, Type-C 5V and NP-F battery slot.
- Stereo Earphone output
- DC 8.4V power out to power your DSLR camera or mirrorless camera.

CONTENTS

1. Product Description ---------- 4

1.1 Button Instruction ---------- 5

1.2 Port Instruction (Bottom) ---------- 5

1.3 Port Instruction (Left) ---------- 6

1.4 Power Supply Way ---------- 7

1.5 Sony F970 Install and Power Kit ---------- 8

1.6 Mount Points ---------- 10

1.7 Sunshade ---------- 11

2. Menu Operation Instruction ---------- 12

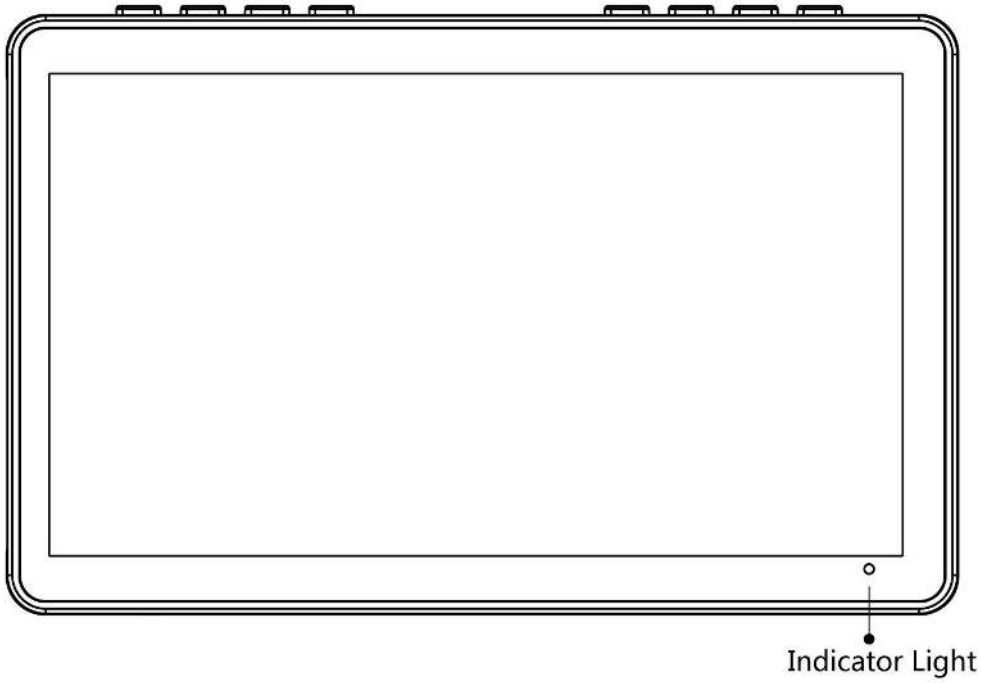
3. Menu Function Instruction ---------- 14

4. Technical Parameters ---------- 19

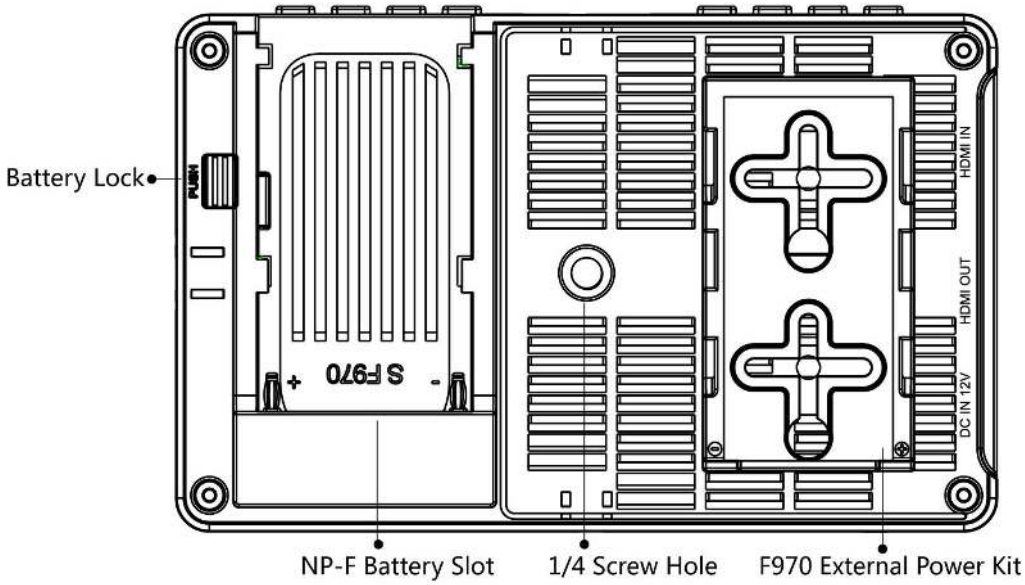
5. Trouble Shooting ---------- 20

1. Product Description

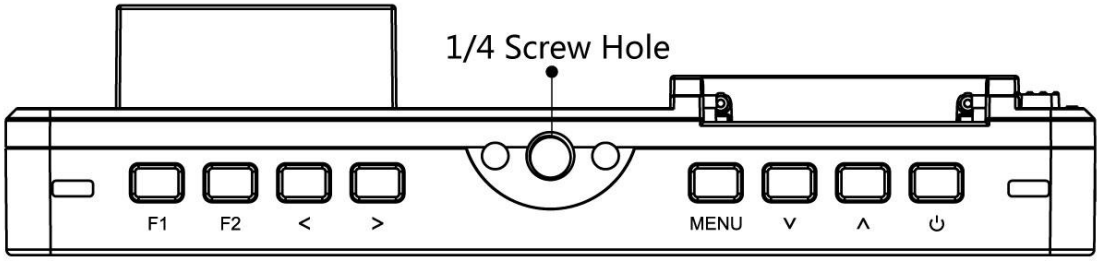
● Front Panel



● Back Panel

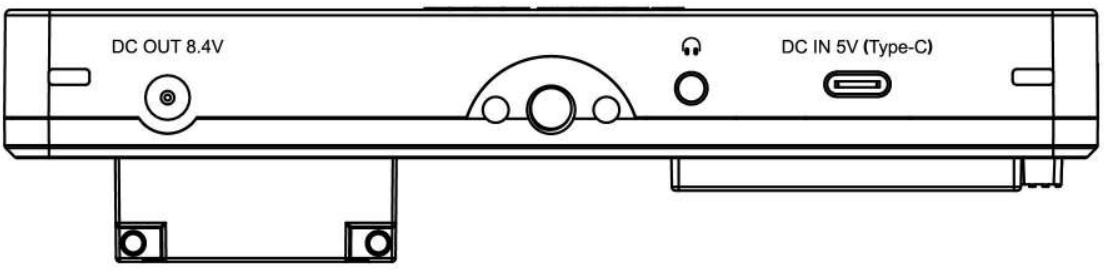


1.1 Button Instruction



Button	Function when OSD is not displayed	Function when OSD is displayed
F1	Custom button F1	/
F2	Custom button F2	/
<	Decrease the volume or backlight	Decrease or adjust value of selected parameter
>	Increase the volume or backlight	Increase or adjust value of selected parameter
MENU	Display OSD Main menu	Return to previous OSD menu
∨	/	Select next menu item
∧	/	Select previous menu item
⏻	Power On/Off button	

1.2 Port Instruction (Bottom)



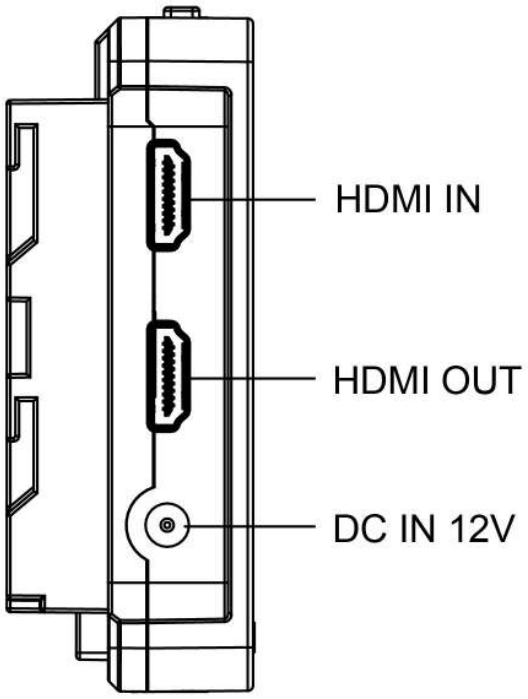
DC OUT 8.4V: DC power output interface, polarity as the output power  Barrel output for powering your camera with a separately available DC coupler via adaptor (NP-FW50 Sony &

LP-E6 Canon&DMW-BLF19 Panasonic). More adapters coming soon.

: 3.5mm earphone port output

DC IN 5V (Type-C): Type-C power input. It is recommended to be used for local power supply only. It is not recommended to connect other devices to provide loop-out power.

1.3 Port Instruction (Left)



HDMI IN: V1.4, HDMI signal input, up to 4K@30Hz.

HDMI OUT: V1.4, HDMI signal output, up to 4K@30Hz.

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

1.4 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.

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

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

It is recommended to use standard original F970 battery.

When using battery power supply: two power output interfaces (DC OUT 8.4V interface and external install and power kit) can be connected to other device. When powering other device, it is recommended to choose a battery with a larger capacity, so the longer the use time.

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

(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.

When using external adapter input: two power output interfaces (DC OUT 8.4V interface and external install and power kit) can be connected to other devices. When powering other equipment, it is recommended to equip at least 3A power adapter.

(3) The bottom of the monitor has a Type-C 5V input power port.

This port can be connected to the power bank for power supply and is not used for data transmission; it is recommended to be used only for local power supply, and it is not recommended to connect other devices to provide loop-out power.

1.5 Sony F970 Install and Power Kit

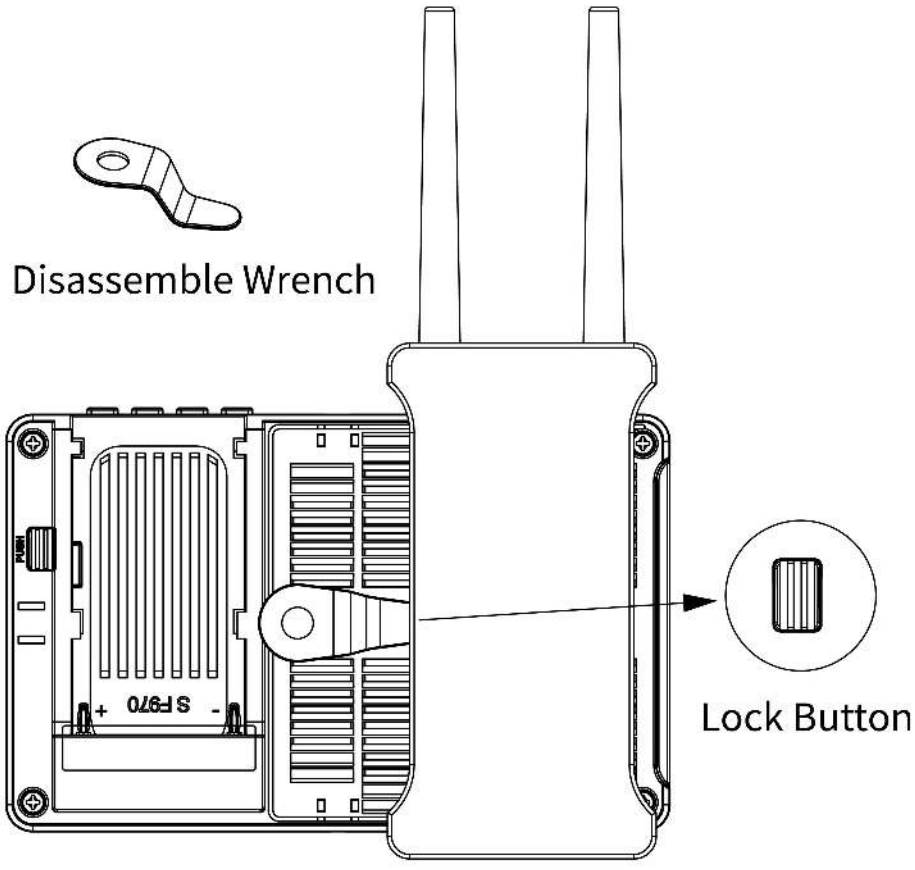
A Sony F970 external install and power kit design is added to the back of the monitor. The external kit can be used to install and install the external equipment, like wireless transmitter, LED light, video converter and others which can be powered by Sony F970 battery.

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) Remove the external device: After the plug-in device is installed on the kit, if your plug-in device has a locking button, and it is more difficult to press it to remove it by hand, then you can use our assisting tool to disassemble.



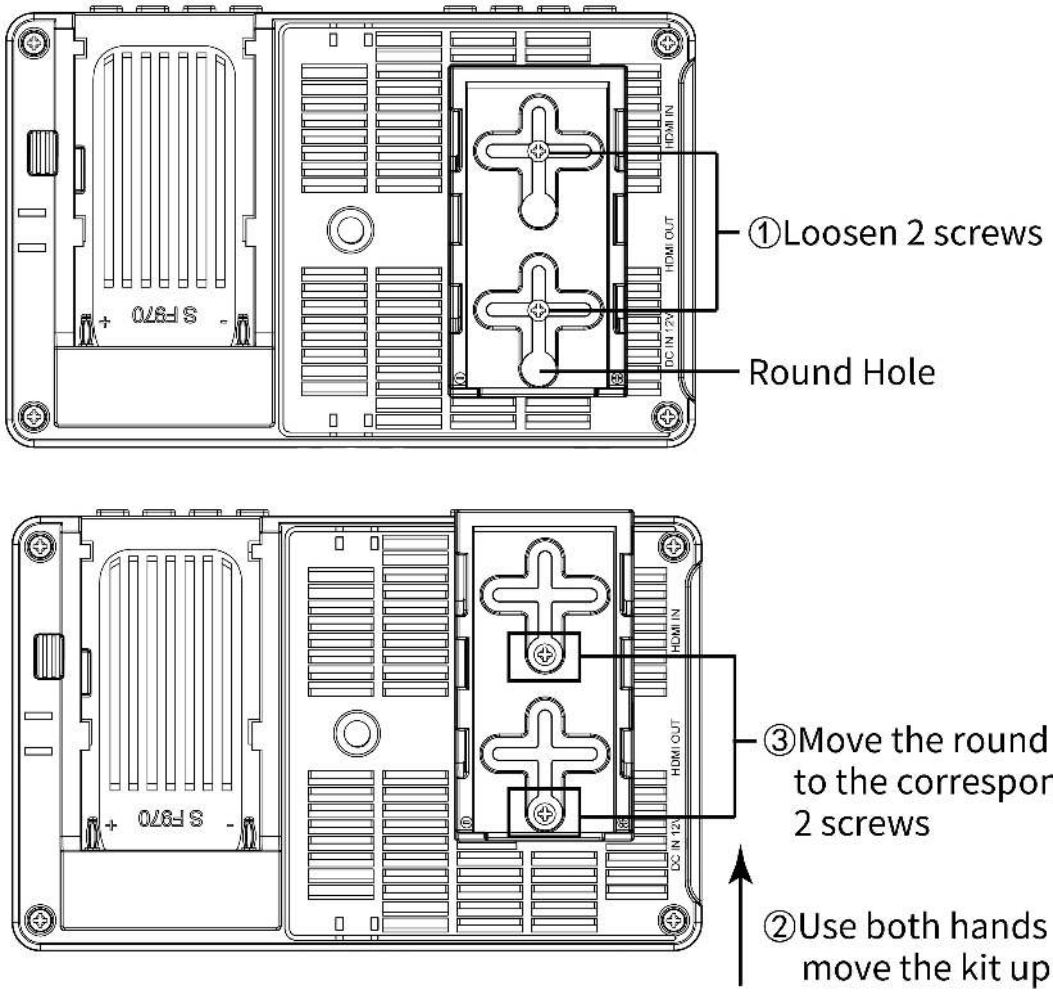
(3) Steps to remove the kit:

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.

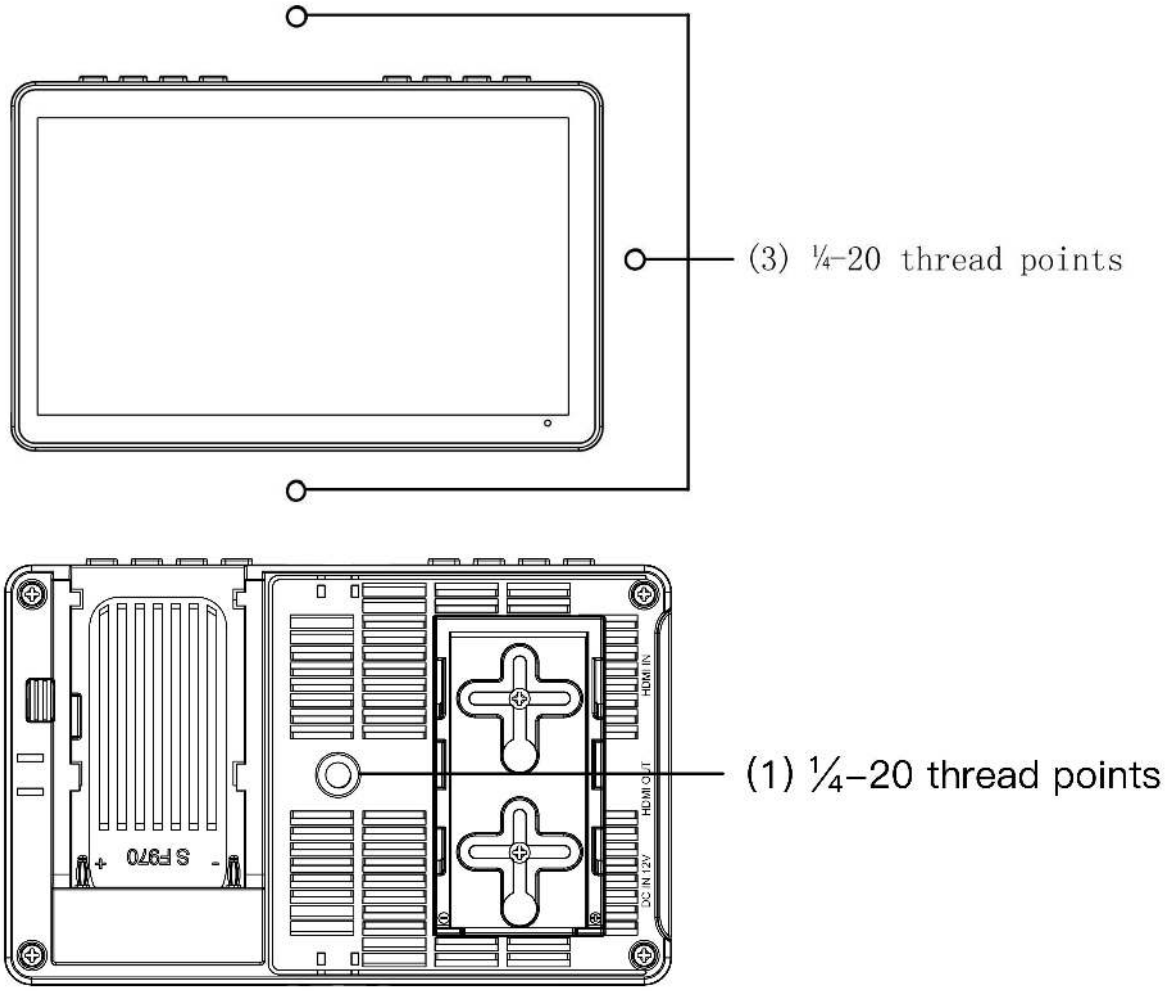
⑤. Then remove the 2 screws.

(4) Install back to the kit: first screw the 2 screws back to the screw hole used to install the kit on the back of the monitor, install the 2P power cable to the cutout, then align the round hole of the kit with the screw, and then push the kit to the screw at the center of the kit cross, then tighten the screws.

1.6 Mount Points

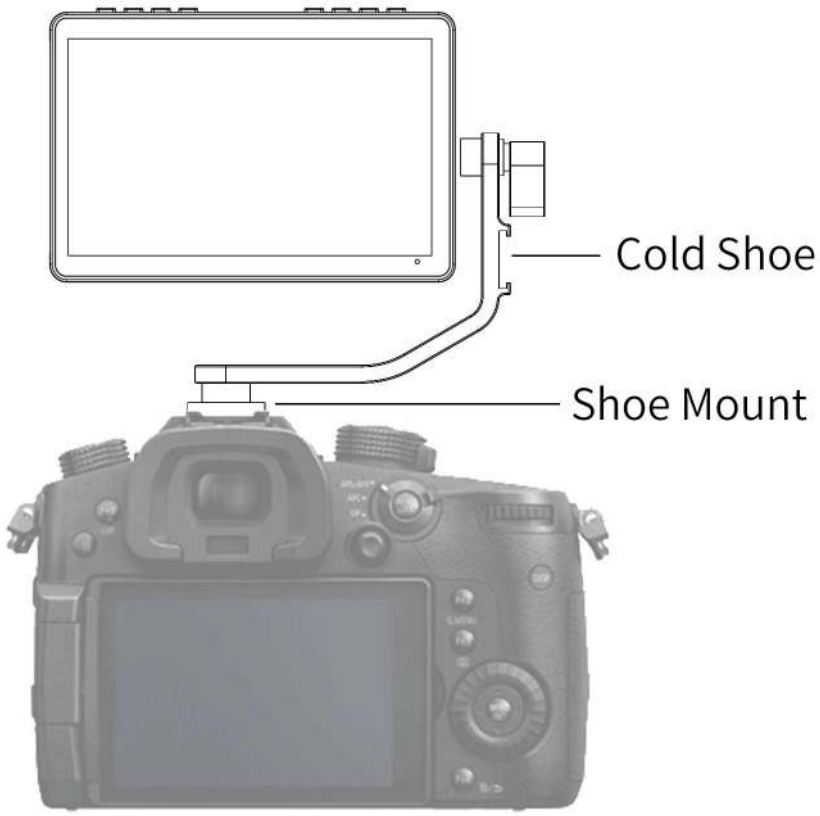
(1) ¼-20 Thread Points

There are (4) ¼-20 thread points (top, bottom, right side & Back center) can be easily connected to the hot shoe mount, tripod fixed installation.



(2) Tilt Arm Mounting

The monitor secures to your camera using the included Tilt Arm via shoe mount or 1/4"-20 thread. The Tilt Arm enables 180° of tilt for convenient monitoring at nearly any angle. A cold shoe on the Tilt Arm lets you secure equipment (like a microphone, LED light, or wireless receiver) that would otherwise be displaced from the camera's accessory shoe.



1.7 Sunshade



① **Sunshade**



② **Sunshade Frame**



③ **Fixed Frame**



④ **Sunshade Application**

First lock the Sunshade Frame ②with the monitor tight ③.

Open the sunshade ①, and match the sticker on the sunshade

inside to the marked part of the sunshade frame ②, smooth and press 3 sides on the sunshade, and then complete the sunshade installation ④.

2. Menu Operation Instruction

After the monitor is correctly connected to the power supply, the indicator light is on (red), long press , turn on the monitor, the indicator light turns yellow, and after the HDMI signal is input, the indicator light turns green.

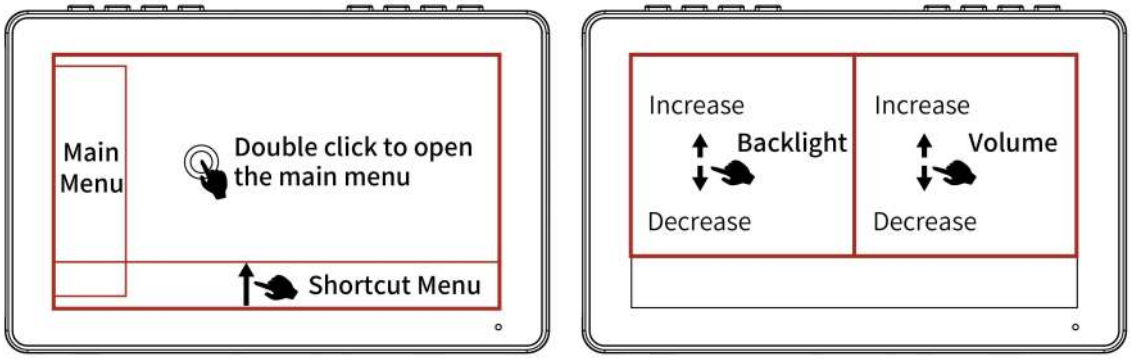
(1). Touch screen menu operation (default touch screen is on)

①. Double-click on the screen to open the main menu (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 to select or set with the "<" or ">" key of the option. To exit the menu, click outside the menu to exit.

②. Swipe up from the bottom of the screen to open the shortcut menu and click on the corresponding menu to open or set the corresponding function. Double-click the shortcut menu function and select the function setting with the "<" or ">" key.

③. 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) Button Menu Operation

①. When the menu is not displayed, directly press the "<" or ">" button to adjust the volume or backlight. You can set the left and right buttons in the menu  **Left Right Key Set** to set the volume or backlight.

②. Press the "MENU" button to open the main menu (on the left side of the screen), press "∨" or "∧" to select the secondary menu, press ">" to enter the secondary menu, and then press "∨" or "∧" to select the secondary menu Menu options. After selecting the secondary menu option, press "<" or ">" to adjust the parameter value. After adjusting to the preset parameters, press the "∨" or "∧" button to enter the next adjustment. After adjustment, press "MENU" to exit.

③. After booting, you can choose to turn on or off the screen touch function in the **Touch Switch** in the  (the touch screen is turned on by default). In the closed state, you need to select the **Touch Switch** option according to the ② step of the **Button Menu Operation**, and then press the "<" or ">" button to turn on the touch function.

3. Menu Function Instruction

- 

All Waves	**Off, On** After turning on, waveform, vector, histogram and embedded audio will be shown.
Waveform	**Off, RGB, Y, YUV** 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	**Off, On** shows how saturated the image is and where the pixels in the image land on the color spectrum.
Histogram	**Off, RGB1, Y, RGB2**
Waves Trans.	**Off, 25, 50, 75**
Focus Assist	**Off, On** By sharpening the edge of images to help photography for focusing operation.
Peaking Color	**Red, Green, Blue** Due to the image color is colorful when shooting in natural light, so the user may react to the edge of the single line not too sensitive, at this time to change the auxiliary focal edge line color will improve the sensitivity of the image contour. It is convenient during filming

	tracking in focus. The edge line color can be chosen according to the site situation to select red, green and blue.
Embedded Audio	**Off, On** The Audio Level Meters provide numerical indicators and headroom levels. The audio meter is green, and will turn yellow when exceeds -20dB, and turn red when exceeds -9dB.
Over Exposure	**Off, On**
Exposure Level	**IRE10～IRE100**
Check Field	**Off, Mono, Red, Green, Blue**
False Colors	**Off, On**

- 

Nine Grid	**Off, On**
Safe Frames	**Off, 80%, 85%, 90%, 93%, 96%, 2.35:1** To select the screen marker.
Center Marker	**Off, On**
Ratio Marker	**Off, 4:3, 13:9, 14:9, 15:9, 16:9, 1.85:1, 2.35:1** Image display ratio marker.
Mark Color	**Red, Green, Blue, Black, White** To select the above high contrast mark color according to different image.
Mark Width	**1～7** To select the above mark color display width.
Modified Mark	**0～5**

	Adjust the brightness of the image outside tag line to highlight the inside tag line of image.

- 

Scan Mode	**Under Scan, Over Scan**
Aspect Ratio	**Auto., 4:3, 16:9, Just Scan, Panorama, P2P**
Anamorphic	**Off, 1.3X, 2.0X, 2.0X MAG, User** Under the **User**, the **Anamorphic nX** can be customized.
Anamorphic nX	1.20X~2.00X
Image Flip	**Off, H Flip, V Flip, H_V Flip**
OSD Flip	**Off, On**
Zoom Mode	**Off, Mode1, Mode2** The **Zoom All** can be customized.
Zoom All	0～500
Nine Grid Zoom	**Off, On** Open the **Nine Grid** function in the  to divide the image into nine grid, then turn on the **Nine Grid Zoom** function, select one of the screens by pressing the "<" or ">" key, and then press the "∨" or "∧" key zoom in to full screen. Press the "∨" or "∧" key to exit the local zoom function. (To achieve this function, you need to turn on the **Nine Grid** function first, and it can only be operated by keys.)
Zoom	**Off, 4X, 9X, 16X**
Image Freeze	**Off, On**

- 

Lut Switch	**OFF, ON** After the LUT Switch is turned on, you can use the **Lut (SLOG2, SLOG3, LOGC, VLOG)**.
Lut Table	Show the 4 built-in Lut and the custom load Lut
Lut Import (type C)	After copying the 3D LUT file to the U disk and inserting it into the TYPE-C to USB Connector, you can click the "<" or ">" key in the Lut Import(type C) to import the 3D LUT file.
Color Temp.	**5600, 6500, 9300, User** Under the **User**, the red, green and blue of the image can be adjusted.
Red	0～255
Green	0～255
Blue	0～255
Backlight	**0～100**
Pic. Mode	**Standard, Mild, User, Dynamic** Under the **User**, you can adjust the image **Brightness**, **Contrast**, **Saturation**, and **Sharpness**.
Brightness	0～100
Contrast	10～100
Saturation	0～100
Sharpness	0～100
Tint	**0～100**

- 

Left Right Key Set	**Volume, Backlight** You can set the **Left Right Key Set** as shortcut keys for volume or backlight adjustment. After setting, when the menu is not displayed, you can directly press the "<" or ">" key for quick adjustment.
Language	English, 简体中文, Español, Português, Français, Nederlands, Deutsch,日本語, 繁體中文
OSD Trans.	**Off, Low, Middle, High**
OSD Time	**Off, 10Sec, 20Sec, 30Sec**
No Signal	**Blue Screen, Red Screen, Green Screen, Gray Screen, Black Screen, White Screen**
Volume	**0～100**
Touch Switch	**On, Off** When the touch screen is closed, you need to select the **Touch Switch** option according to **step ② of the Button Menu Operation**, and then press the "<" or ">" key to turn on the touch function.
USB Upgrade	Copy the file to the U disk, insert the Type-C to USB female adapter, and then connect to the Type-C interface of the monitor, press the ">" button to confirm the upgrade. After the upgrade is complete, the monitor will automatically restart.
Reset	Press “＞” button to confirm, back to original setting**.**

- 

F1/F2	**Safe Frames, Check Field, Focus Assist, Aspect Ratio, Image Flip, Image Freeze, Histogram, False Colors, Over Exposure, Embedded Audio, Nine Grid, Zoom, Anamorphic, Waveform, Vector, Center Marker** To set the 2 shortcut custom button **F1**, **F2** on the panel. e.g. Tap the menu "F", select **F1**, then tap "＜" or "＞" to pop-up function items to select one of them, such as "Focus Assist". So when you exit menu, you could press F1 directly on the front of panel to turn on "Focus Assist" function. Same setting for F2

4. Technical Parameters

Panel Size	6" touch screen
Resolution	1920 × 1080 pixels
Dot Pitch	0.069 (H) × 0.069 (V) mm
Pixel Density	367PPI
Aspect Ratio	16:9
Brightness	450cd/m^2
Contrast	1000:1
Viewing Angle	80°/80°(L/R) 80°/80°(U/D)
Backlight	LED
Adjustable Backlight	Yes
Input	HDMI V1.4
Output	HDMI V1.4, 3.5mm stereo headphone jack

Power In	DC IN 12V, Barrel (5.5mm outer, 2.1mm inner) DC IN 5V (Type-C) Note: please use 5V/2A or more than 2A Type-C power supply
Power Out	DC OUT 8.4V, Barrel (5.5mm outer, 2.1mm inner）
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 (30/29.97/25/24/23.98) 4096×2160p (24Hz)
Power Input Voltage	7～24V
Power Consumption	≦8W
Unit Size (mm)	148Lx93Hx21.75D (mm)
Unit Weight	245g (with F970 external install and power kit)
Mount Points	¼-20 thread points
Working Temperature	-20℃～50℃
Storage Temperature	-30℃～60℃

5. Trouble Shooting

5.1 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.

5.2 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.

5.3 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.