5.5" Super Lightweight Field Monitor

Stabilizer Gimbal Best Partner



User Manual

Product Overview

Thank you for purchasing our color LCD monitor, which adopts advanced integrated digital signal processing circuits and professional IPS LED panel, which makes it high brightness, low power consumption, stable performance, etc. It is equipped with HDMI input and output, which make it wide application, casing compact, simple operation, portable convenience and strong compatibility. Advanced features include 3D LUT, Waveform,Histogram, Embedded Audio, Focus Assist, False Colors, Exposure, Aspect Ratio, Image Flip, P2P, Center Marker, Safe Frames, Check Field, Image Freeze, Nine Grid, Zoom, Anamorphic etc. It is an ideal, portable and lightweight viewfinder and video monitor.

The monitor is equipped with an battery plate; you can use the power adapter supply or use the external battery for power supply.

 **To insure the best use of the unit, please read the user's manual carefully**

CAUTION

- Please avoid the heavy impact and drop onto the ground when move the product.
- Please do not cover the vents and holes on the enclosure and do not place the machine on a bed, sofa, and rug to ensure good ventilation. Otherwise it will lead to overheating and reduce the service life.
- 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, such as the radiator, the water heater, the stoves and the other heating products.
- 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.
- To maintain the LCD screen better, please notice the ways as below to avoid the scratch, the discoloration and the other 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.
- To protect the plastic cover better, please follow these ways as below to avoid the damages;
  1. Please do not use the chemical solutions to clean the cover.
  2. Please keep away from the volatile things.
  3. Please do not clean the case hard.
  4. Please simply wipe with a clean soft cloth and make sure no water on the cover.

Features

- IPS LCD panel, support 4K HDMI input and output
  UHD 4K 3840×2160p (30/29.97/25/24/23.98Hz)
  DCI 4K 4096×2160p (24Hz)
- Support 3D LUT Log to REC.709 and user 3D LUT upload
- Histogram is a quantitative tool to inspect the image brightness, to guide the exposure control
- Focus Assist (Focus edge can be Red, Green, Blue)
- Embedded Audio
- Zebra and False Color function, convenient to guide the using light when shooting and the post production
- Check Field (Red, Green, Blue, Mono)
- Image Zoom-in function
- Anamorphic Mode
- Image Flip (H, V, H/V)
- Image Freeze
- Image Nine Grid, zoom one of the images to realize the full screen
- Pixel to Pixel
- Marker Types, Safe Frames and Center Marker
- Brightness, Contrast, Sharpness, Tint, Saturation and Color Temp Adjustment.
- Earphone output
- DC8.4V power out to power your DSLR camera or mirrorless camera
- External sunshade, sunlight readable

CONTENTS

1. Product Description ---------- 5

1.1 Button Instruction ---------- 6

1.2 Port Instruction (bottom) ---------- 6

1.3 Port Instruction (left) ---------- 7

1.4 Power Input ----------7

1.5 Mount Points ---------- 8

1.6 Sunshade ---------- 9

2. Menu Operation Instruction ----------10

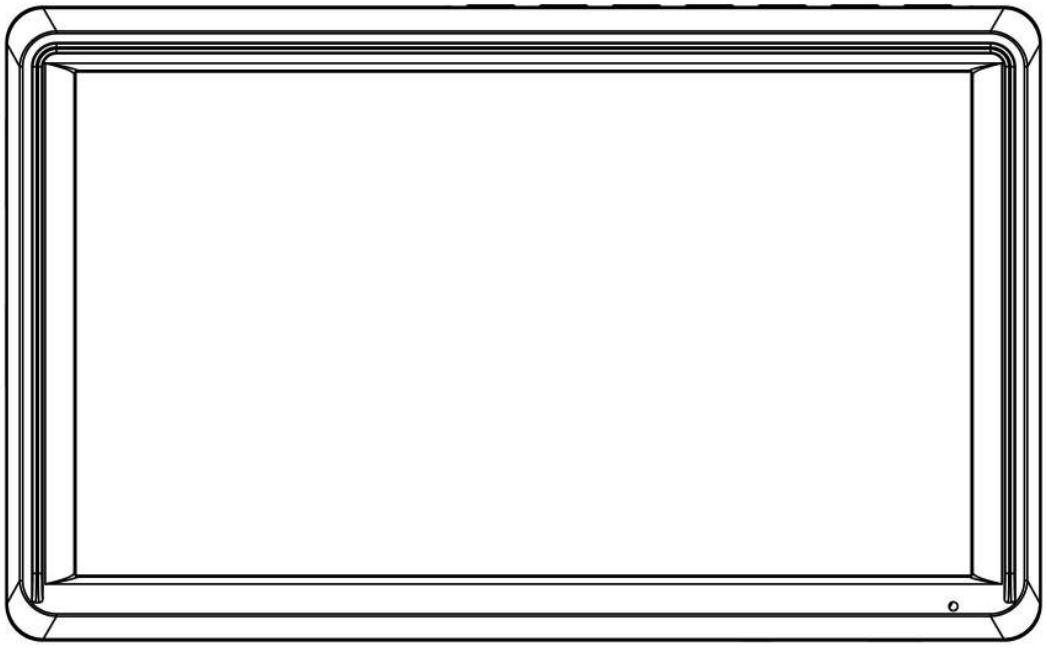
3. Menu Function Instruction ----------11

4. Technical Parameters ----------17

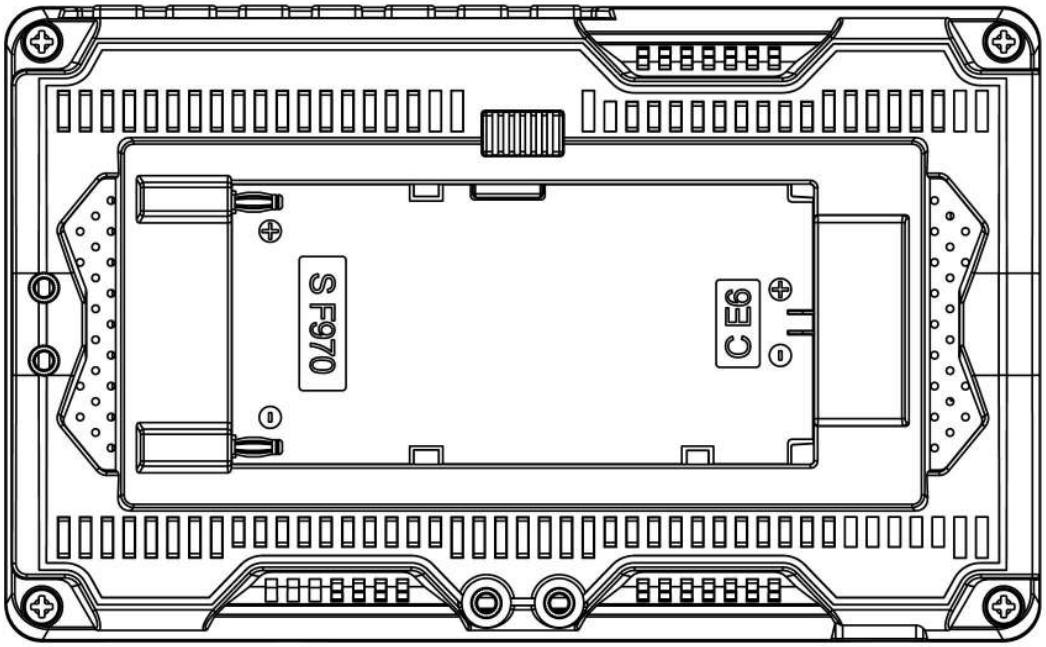
5. Trouble Shooting ---------- 18

1. Product Description

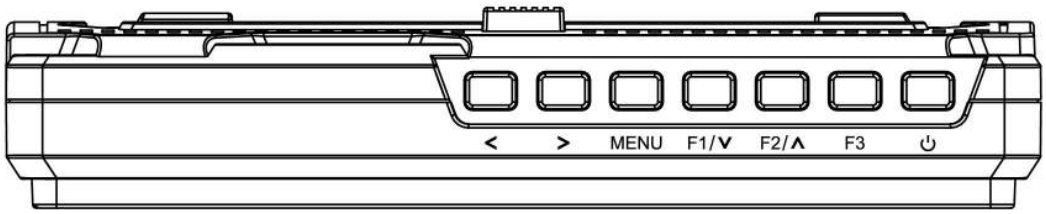
● Front Panel



● Back Panel

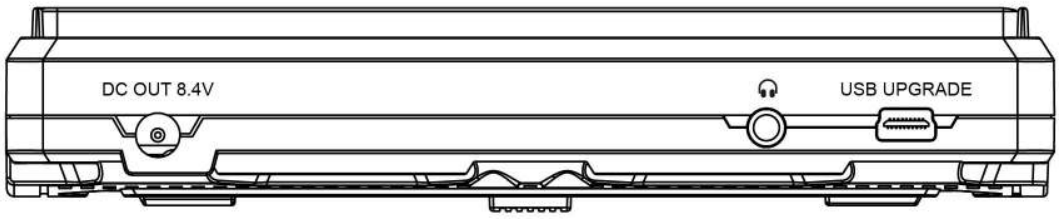


1.1 Button Instruction



Button	Function when OSD is not displayed	Function when OSD is displayed
<	Decrease the volume	Decrease or adjust value of selected parameter
>	Increase the volume	Increase or adjust value of selected parameter
MENU	Display OSD Main menu	Return to previous OSD menu
F1/∨	Custom button F1	Select next menu item
F2/∧	Custom button F2	Select previous menu item
F3	Custom button F3	/
⏻	Power On/Off button	

1.2 Port Instruction (bottom)



DC OUT 8.4V: DC power output interface, polarity as the output power

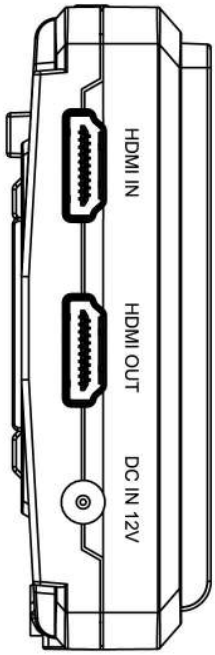


Barrel output for powering your camera with a separately available DC coupler via adaptor (like NP-FW50 Sony & LP-E6 Canon&DMW-BLF19 Panasonic).

🎧: 3.5mm Earphone port output

USB UPGRADE: Firmware USB upgrade port, custom LUT files import

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 interface, polarity as the input power 

1.4 Power Supply Way

(1) The rear cover of the monitor is equipped with F970 and E6 dual-purpose battery plate, which is applicable to F970 series of batteries and E6 series of batteries.

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

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

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

● **LP-E6 battery plate for battery of Canon DV:**

Canon LP-E6

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.

1.5 Mount Points

(1) 1/4" Screw Lock Installation

The 1/4 screw lock can be installed on the monitor (bottom, right side).



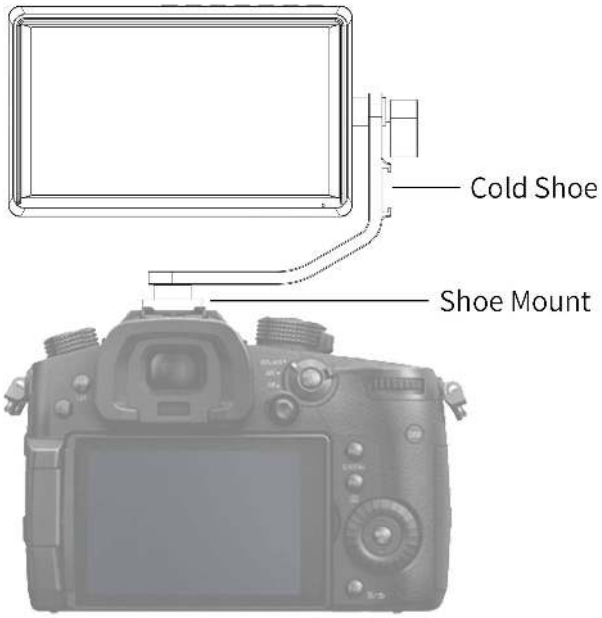
① Fasten the 1/4" screw lock with the monitor.

② Use 2 screws to fasten the1/4" screw lock and the monitor.

(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.



1.6 Sunshade



① Velcro



② Sunshade Frame (Paste Velcro)



③ Sunshade



④ Sunshade Application

Attach the Velcro (hook side) ① to the outside of the sunshade frame of the monitor, open the sunshade ③, and align the Velcro (loop side) on the inside of the sunshade with the Velcro (hook side) ② on the monitor sunshade frame, and then complete the sunshade installation ④.

2. Menu Operation Instruction

After correctly connect to the power supply, the indicator will turn (Red), press  to turn on monitor power, the indicator will be Yellow, and then input HDMI signals, the indicator will turn Green from Yellow.

2.1 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.

2.2 Press “**MENU**” button to enter OSD main menu, and press “＜” or “＞” button to go through the secondary menu function.

2.3 Then press “F1/∨” button to enter secondary menu.

Press “F1/∨” or “F2/∧” button to move and select the items in the secondary menu.

2.4 After select the items in the secondary menu, press “＜” or “＞” button to adjust the item parameters.

2.5 Press “**MENU**” button to confirm the item adjustment and exit the menu.

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** When exposure exceeds the preset value, the monitor screen appear the twill, it is to reflect the picture exposure conditions, so as to suggest the photographer adjust the aperture to obtain proper exposure.
Check Field	**Off, Mono, Red, Green, Blue** To switch among Color, Mono, Red, Green, Blue
False Colors	**Off, On** It is the analysis of the whole image brightness and display False Color. It is convenient to guide using light when shooting and post production.

- 

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, Full Screen, 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** To adjust the image to zoom in or zoom out.
L/R Zoom	**0～500** To adjust the proportion of the image Left and Right to Zoom In or Zoom Out.

U/D Zoom	**0～500** To adjust the proportion of the image Up and Down to Zoom In or Zoom Out.
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 "F1/∨" or "F2/∧" key zoom in to full screen. Press the "F1/∨" or "F2/∧" 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 (up to 32）
Lut Import (USB)	After copying the 3D LUT file to the USB flash drive, then connecting USB UPGRADE port via USB adapter cable, press the “<” or “>” button in the Lut Import(USB) 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, 한국어로, русский язык
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**
USB Upgrade	Copy the file to the USB flash drive, then connecting USB UPGRADE port via USB adapter cable, 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**, **F3**on the panel. e.g. When in OSD menu “”, press “＞” button to select **F1**, press “＜” or “＞” button to pop-up function items and press “＜” or “＞” button to select one of them, such as “Focus Assist”, and press “**MENU**” button to confirm. So when you exit OSD menu, you could press F1 directly on the front of panel to turn on “Focus Assist” function. Same setting for F2, F3

4. Technical Parameters

Panel Size	5.5" IPS
Resolution	1920x1152 pixels
Dot Pitch	0.0639 x 0.0213 mm mm
Aspect Ratio	16:9
Brightness	500cd/m^2
Contrast	1000:1
Viewing Angle	80°/80°(L/R) 80°/80°(U/D)
Backlight	LED
Input	HDMI
Output	HDMI, DC OUT 8.4V, Barrel (5.5mm outer, 2.1mm
Audio	3.5mm Stereo Headphone
HDMI Support Format	480i /480p /576i /576p 720p(60/59.94/50/30/29/25/24/23.98） 1080i(60/59.94/50） 1080p(60/59.94/50/30/29.97/25/24/24sF/23.98/23.98sF) 4K UHD 3840×2160p (30/29.97/25/24/23.98 Hz)
Input Voltage	DC: 7～24V
Power	≦9W
Battery Plate	F970/ LP-E6 Dual-purpose Battery Plate
Install Way	1/4-20 mount points (bottom, right)
Working	-20℃～55℃
Storage	-30℃～65℃
Unit Size	142Lx87.2Hx27.5D (mm)
Unit Weight	175g

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.