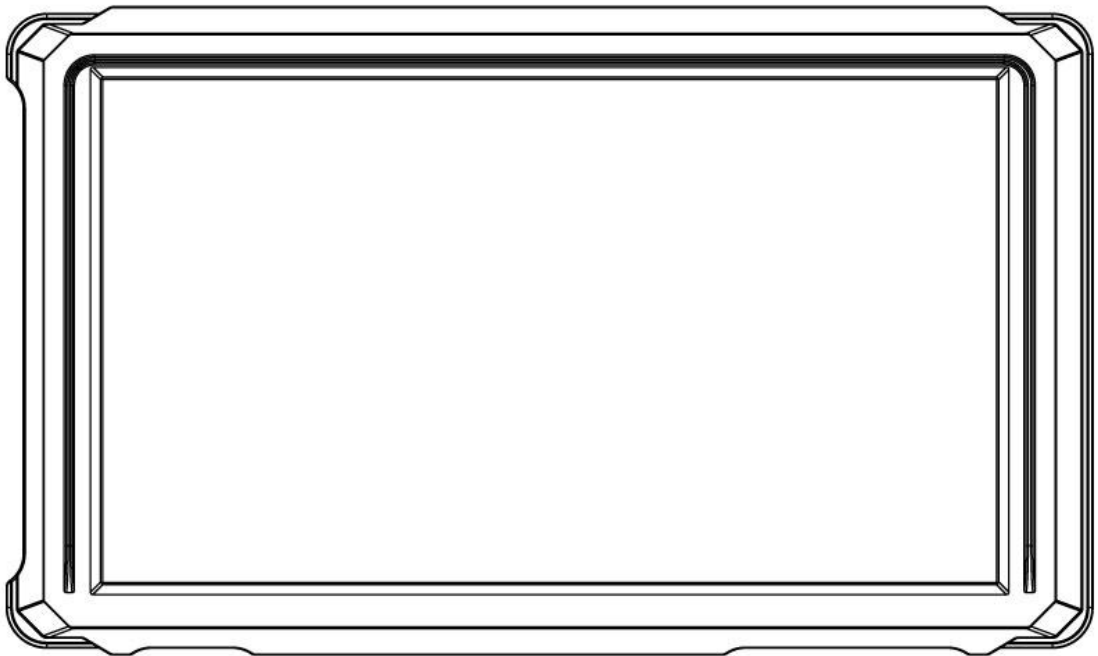


6" Portable Camera Monitor

Stabilizer Gimbal Best Partner



User Manual

Foreword

Thank you for purchasing our 6-inch camera monitor. Please read this manual carefully before using the unit. Have a great experience!

Cautions

- 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.

Key Features

- ◆ 6-inch 1920x1080full HD IPS screen
- ◆ Super lightweight ideal for gimbal
- ◆ 1200nit high brightness, visible in sunlight
- ◆ Simple and intuitive button operation
- ◆ Custom 3D LUT, preview film look
- ◆ With Waveform, Vectorscope, 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, meet the different selection.
- ◆ Stereo Earphone output
- ◆ DC 8.4V power out to power your DSLR camera or mirrorless camera

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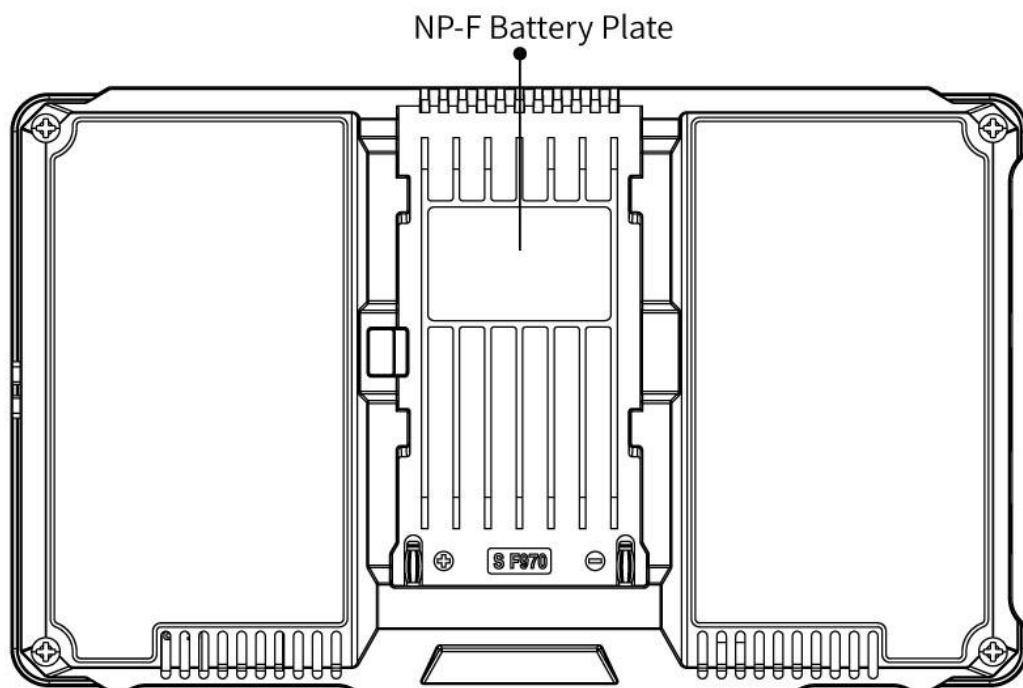
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1. Product Instruction

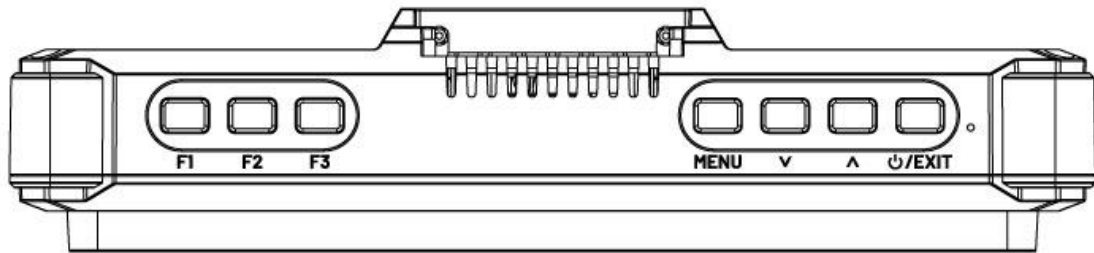
● Front Panel



● Rear Panel

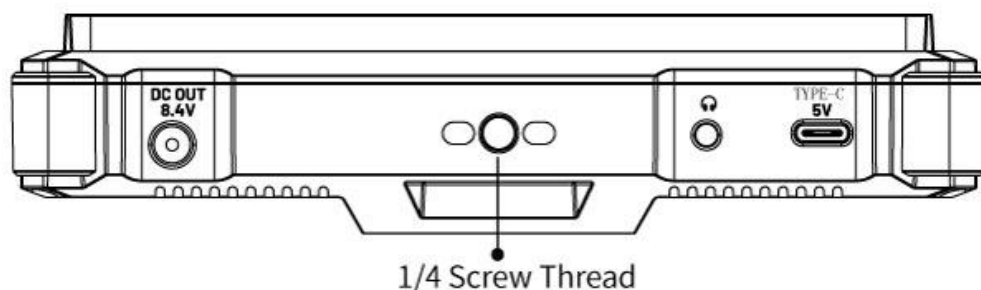


1.1 Button Instruction



Button	Function when OSD is not displayed	Function when OSD is displayed
F1	Custom button F1	/
F2	Custom button F2	/
F3	Custom button F3	/
MENU	Display OSD Main menu	Return to previous OSD menu
V	Decrease the volume or backlight	Select next menu item; Decrease or adjust value of selected parameter
^	Increase the volume or backlight	Select previous menu item; Increase or adjust value of selected parameter
EXIT/⏻	Power On/Off button; Return/Exit Menu	

1.2 Port Instruction (bottom)



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

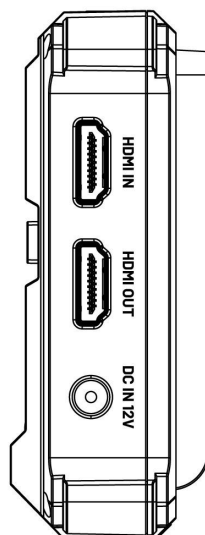


Barrel output for powering your camera with a separately available DC coupler via adaptor (like NP-FW50 Sony & LP-E6 Canon&DMW-BLF19 Panasonic).

: 3.5mm Earphone port output

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. It also use to firmware update and LUT files import.

1.3 Port Instruction (left)

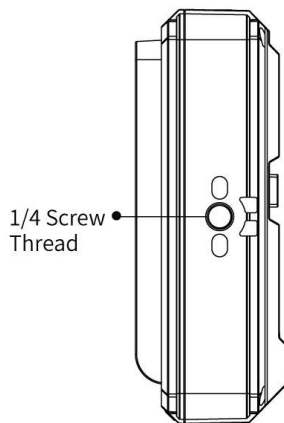


HDMI IN: V2.0, HDMI signal input, up to 4K@60Hz.

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

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

1.4 Port Instruction (right)



1.5 Power Supply Way

(1) The rear panel of the monitor is equipped with NP-F battery plate, which is applicable to NP-F 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.

(2) DC 12V IN at the left side of the monitor, suitable for Barrel 5.5x2.1mm power cable plug, suggest to use 12V/1.5A power adapter.DC 7~24V Input.

(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.

1.6 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 (red indicator), the monitor default to turn on automatically, the indicator turns Yellow, and then input HDMI signal, the indicator will turn Green from Yellow.

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

2.1 When the menu is not displayed, directly press the "V" or " $\wedge$ " button to adjust the volume or backlight. You can set in the **Left**

Right Key Set  **of menu User Option** 

2.2. Press "**MENU**" button to enter OSD main menu, press "V" or " $\wedge$ " button to select.

2.3. Press "MENU" button to enter secondary menu, then press "V" or " $\wedge$ " button to select items, after selected press MENU button to confirm and enter function menu, press "V" or " $\wedge$ " button to select the corresponding function or adjust the parameters, press MENU to confirm finally.

2.4. Press EXIT/ $\cup$ button to return / exit the menu

3. 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 Position X: 0~100 (moving the waveform horizontally) Position Y: 0~100 (moving the waveform vertically) Waves Trans. : Off, 25%, 50%, 75% 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	On, Off Position X: 0~100 (moving the Vector horizontally) Position Y: 0~100 (moving the Vector vertically) shows how saturated the image is and where the pixels in the image land on the color spectrum.
 Histogram	On, Off Mode: RGB1、RGB2、 Y Position X: 0~100 (moving the histogram horizontally) Position Y: 0~100 (moving the histogram vertically) 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 Y Histogram: A quantitative tool to check the picture brightness, display different color for different brightness.
 Focus Assist	On, Off Color : (Red, Green, Blue) Peaking Level : you can adjust the peaking level after turning on (1 ~ 10) It highlights the areas that are in focus so you are able to quickly focus the camera and not miss crucial shots.
 Embedded Audio	On, Off Position X: 0~100 (moving the audio level horizontally) Position Y: 0~100 (moving the audio level vertically) The Audio Level Meters provide numerical indicators and headroom levels.

 Over Exposure	On, Off Exposure Level : you can adjust the exposure level after 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.
	On, Off Mode: 80%, 85%, 90%, 93%, 96%, 2.35:1, 9:16

Safe Frames	Color: Red, Green, Blue, Black, White, Gray
 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



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) Allows you to use anamorphic lenses or adapters and see the image unsqueezed, even if your camera does not de-squeeze in camera.
 Image Flip	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.
 Image Freeze	On, Off
 P2P	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.



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: 0~100

Adjust the screen brightness

Brightness: 0~100

Adjust the image brightness

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.

Saturation: 0~100

Adjustment of color concentration

Tint: 0~100



Color Adjustment

Display Range: Auto, Limit, Full

This feature allows for the selection of a grayscale range. The 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.
 Shortcut Key	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, Ratio Marker To set the 3 shortcut custom button F1~F3 on the panel e.g.: enter the main menu, choose User Option --  shortcut key-- F1 to show pop-up function items, select one of them, 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 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 Time: Off, 15Sec, 30Sec, 45Sec

 OSD Option	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
 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 EXIT/⏻ 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 How to upgrade? 1. USB flash driver format Support FAT32 2. After copying the update file to USB flash driver insert to Type-C to USB adapter and connect with the TYPE-C interface of monitor , press MENU key 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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4. How to Load LUT

4.1 USB flash driver format FAT32

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 16,17,32,33,64,65

Remark: LUT file name must be English or Arabic numerals

4.4 Steps for loading

4.4.1 Make sure USB flash driver insert to Type-C to USB adapter and connect with the TYPE-C interface of monitor

4.4.2 Enter main menu --LUT--**Lut Import** -- click **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** -- click **Confirm**, the imported LUTs will be clear up.

5. Technical Parameters

Panel Size	6" IPS
Resolution	1920x1080 pixels
Dot Pitch	0.069 (H) × 0.069 (V) mm
Aspect Ratio	16:9
Brightness	1200cd/m ²
Contrast	1000:1
Viewing Angle	80°/80°(L/R) 80°/80°(U/D)
Backlight	LED
Signal Input	HDMI 2.0
Signal Output	HDMI 2.0
Audio	3.5mm Stereo Headphone
HDMI 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 In	DC IN 12V, Barrel (5.5mm outer, 2.1mm inner), DC IN 5V (Type-C) Note: please use more than 5V/2A Type-C power supply
Power Out	DC OUT 8V, Barrel (5.5mm outer, 2.1mm inner; Power DSLR or mirrorless camera)
Input Voltage	DC: 7~24V
Power	≦ 11W
Battery Plate	NP-F Battery Plate
Install Way	1/4-20 mount points (bottom, right)
Working	0℃ ~ 50℃
Storage	-10℃ ~ 60℃

Unit Size	161x96x33.3(mm)
Unit Weight	204g

6. Trouble Shooting

6.1 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.

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

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.