

# 7" Ultra Bright HDMI Monitor

Rugged Aluminum|2200nit Daylight Viewable



## User Manual

## Foreword

Thank you for purchasing our 7-inch ultra-bright 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.

## Features

- Touch screen menu operation
- Support HDR monitoring
- Support 3D LUT Log to REC.709 and user 3D LUT upload
- 1920x1200 full HD IPS screen
- 2200nits Daylight Viewable (Light Sensor)
- All Waves display, Parade, Vector, RGB Histogram functions
- Histogram is a quantitative tool to inspect the image brightness, to guide the exposure control

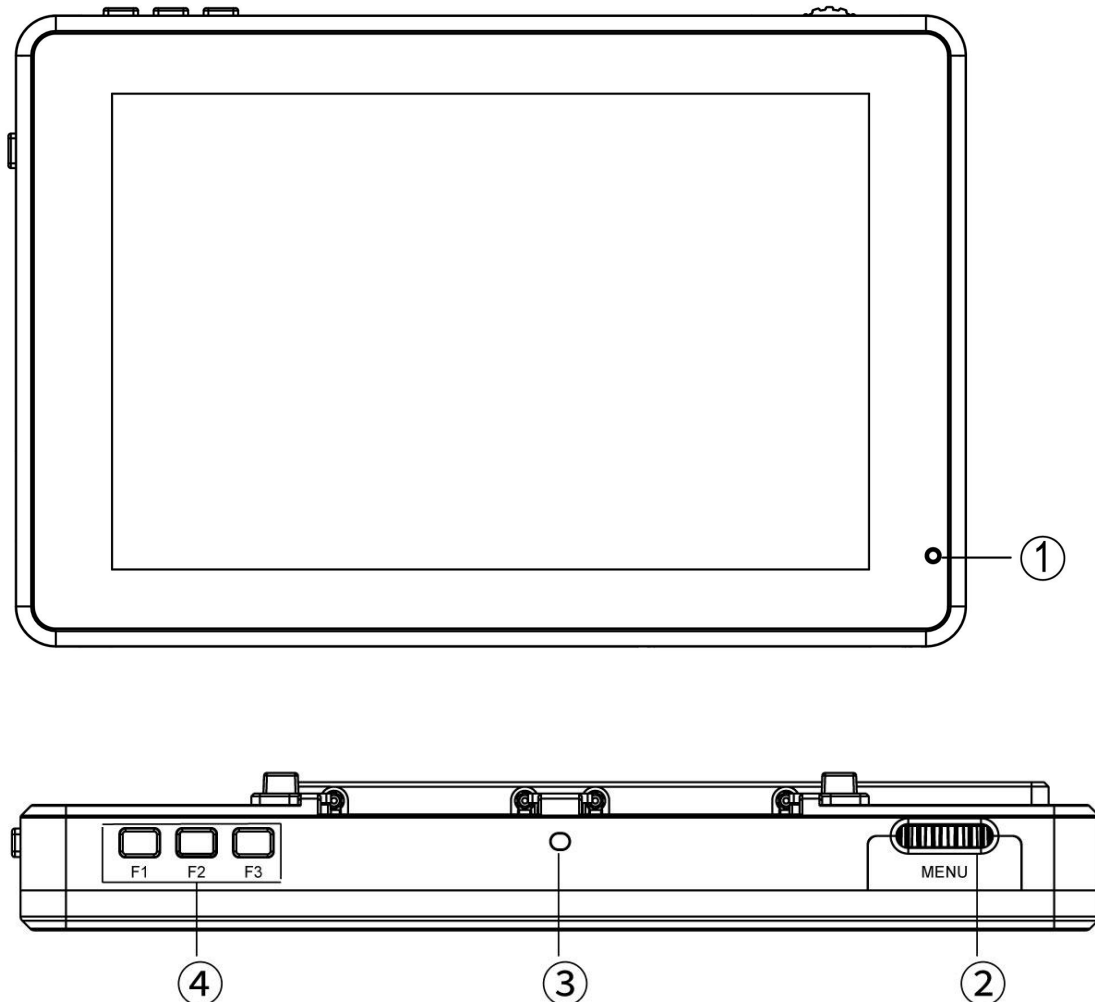
- Focus Assist (red, green, blue, white, yellow five peaking colors optional)
- Audio Meter
- Zebra and False Color function, convenient to guide the using light when shooting and the post production
- Monochrome (gray, red, green, blue)
- Image Zoom-in function
- Anamorphic Mode
- Image Flip H and Flip V
- Image Freeze
- Pixel to Pixel
- Marker Mat, Center Marker and Safety Marker
- Brightness, Contrast, Sharpness, Hue, Saturation and Color Temp Adjustment.
- Stereo Earphone output
- DC 8.4V power out to power your DSLR camera or mirrorless camera


# CONTENTS

<b>1. Product Description</b>	<b>4</b>
1.1 Button Instruction	4
1.2 Port Instruction	5
1.3 Power Supply Way	5
1.4 Mount Points	7
<b>2. Menu Operation Instruction</b>	<b>8</b>
<b>3. Menu Function Instruction</b>	<b>10</b>
<b>4. Support Formats</b>	<b>14</b>
<b>5. Technical Parameters</b>	<b>15</b>
<b>6. Trouble Shooting</b>	<b>15</b>


# 1. Product Description

## 1.1 Button Instruction



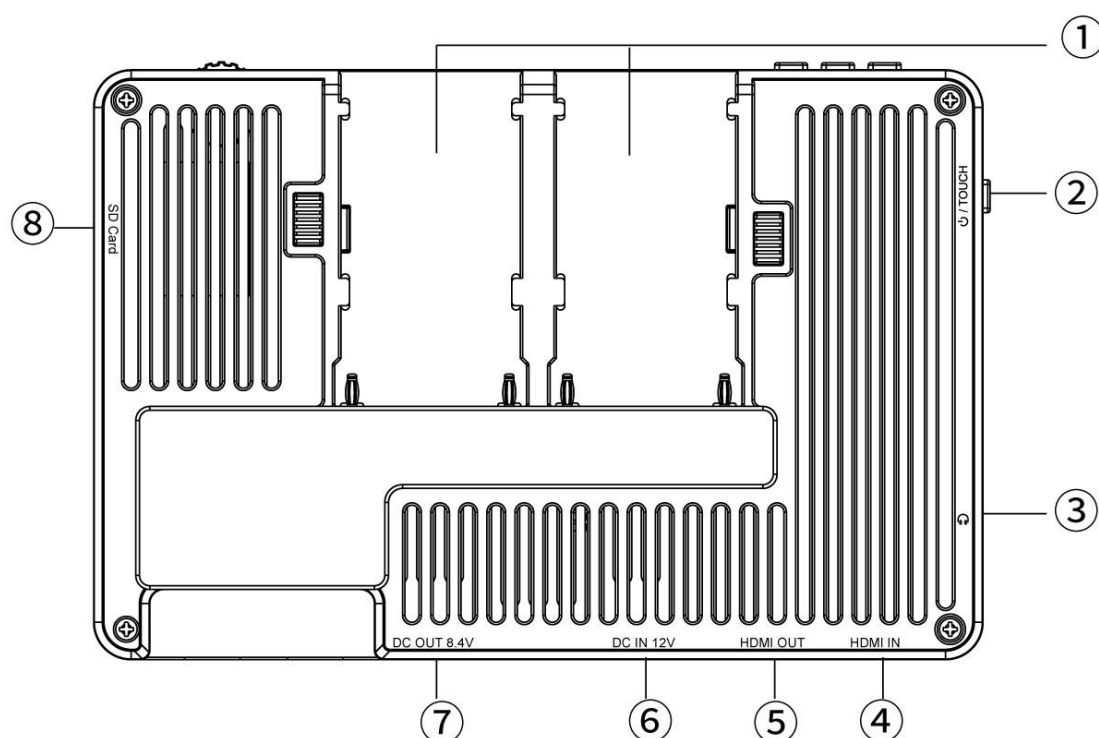
①. **Indicator Light:** After connecting the power, the indicator light is on (red). Long Press  / TOUCH button to turn on the monitor, it turns yellow. After the signal is connected, it turns green.

②. **MENU:** See details: **3.1 MENU Wheel Menu Operation in 3. Menu Operation Instruction.**

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. **F1 ~ F3:** Custom function buttons

## 1.2 Port Instruction



①. Dual F970 Battery Plates

⑤. HDMI Signal Output

②. Power / Touch Function Button

⑥. DC 12V Power Input

Long press to turn on / off; short press to turn on / off the screen touch function.

③. 3.5mm Headphone Jack

⑦. DC OUT 8.4V Power Output

Connect the optional dummy battery cable to power camera.

④. HDMI Signal Input

⑧. SD Card Slot

3DLUT upload via SD card and for firmware upgrade

## 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

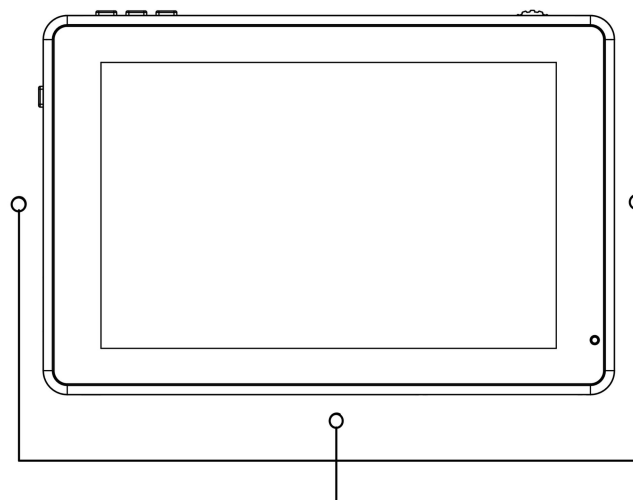
 , Barrel (5.5mm outer, 2.1mm inner) at the bottom of the monitor, DC 7~24V Input.

(3) **DC OUT 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.

## 1.4 Mount Points

There are (3) 1/4"-20 thread points (bottom, right & left) can be easily connected to the hot shoe mount, tripod fixed installation.

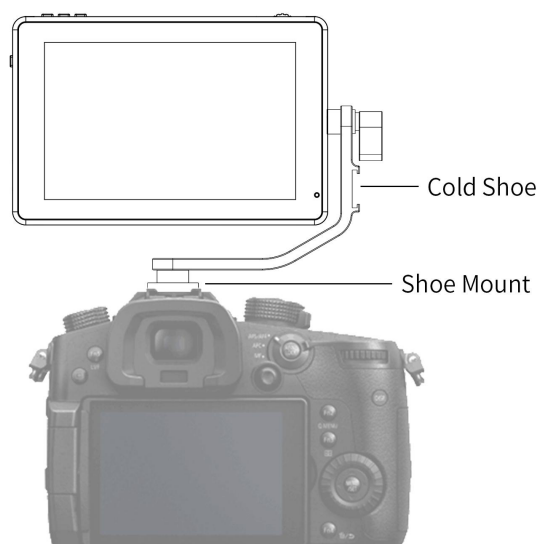


(3) 1/4"-20 thread points


## 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 360° 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.






## 2. Menu Operation Instruction

After the monitor is properly connected to the power supply, the indicator light is on (red). Long press  / TOUCH button to turn on the monitor, the indicator light turns yellow. After the signal is connected, the indicator light turns green.

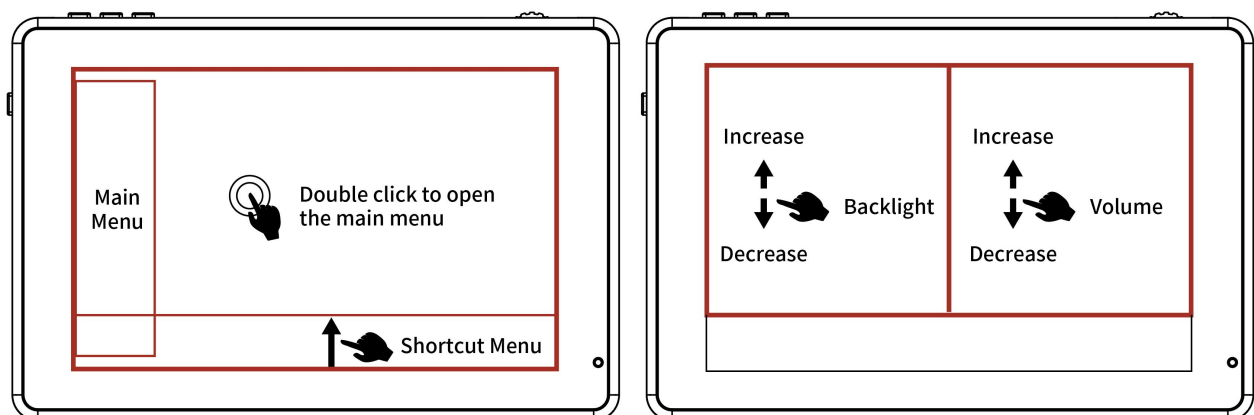
After startup, short press  / TOUCH to select to turn the screen touch function on or off.

### 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 to select or set with the "<" or ">" key of the option. Exit the menu and press  key of the main menu or click the touch screen.

- 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.
- 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. Long 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. Short 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. The shortcut menu will automatically exit after about 5 seconds without operation.

### 3. Menu Function Instruction



<b>Focus Assist</b>	<b>OFF, ON</b> After the Focus Assist is turned on, the <b>Focus Level (1~10)</b> and <b>Focus Color (yellow, red, green, blue, white)</b> can be adjusted.
<b>Zebra</b>	<b>OFF, ON</b> After the Zebra is turned on, the <b>Zebra Value (1%~100%)</b> can be adjusted.
<b>Monochrome</b>	<b>OFF, gray, red, green, blue</b>
<b>False Color</b>	<b>OFF, type 1, type2</b>
<b>Return</b> ←	Back to the previous OSD menu



<b>Nine Grid</b>	<b>OFF, ON</b>
<b>Safety Marker</b>	<b>OFF, 70%, 80%, 90%, 16:9, 16:10, 4:3, 5:4, 1.85:1, 2.35:1</b>
<b>Center Marker</b>	<b>OFF, ON</b>
<b>Marker Mat</b>	<b>OFF, 16:9, 16:10, 4:3, 1.85:1, 2.35:1</b> After the Marker Mat is turned on, the <b>Marker Mat Alpha (0%, 25%, 50%, 75%)</b> can be adjusted.
<b>Marker Color</b>	<b>yellow, red, green, blue, white, black</b>
<b>Return</b> ←	Back to the previous OSD menu



<b>Scan Mode</b>	<b>Under Scan, Over Scan</b>
<b>Video Aspect</b>	<b>auto, 16:9, 16:10, 4:3, 5:4, 1.85:1, 2.35:1, stretch, user</b> Under the “user”, you can customize the <b>Video Width (100% ~ 200%), Video Height (100% ~ 200%)</b>
<b>Anamorphic Mode</b>	<b>OFF, 1.25x, 1.33x, 1.5x, 2.0x, 2.0x mag</b>
<b>Auto Mirror</b>	<b>OFF, ON</b> After turning on, the image will automatically adjust upside down.
<b>Flip H</b>	<b>OFF, ON</b>
<b>Flip V</b>	<b>OFF, ON</b>
<b>Zoom Times</b>	<b>OFF, 100%~300%</b>
<b>Freeze</b>	<b>OFF, ON</b>
<b>Pixel to Pixel</b>	<b>OFF, ON</b>
<b>Return</b> ←	Back to the previous OSD menu



<b>All Waves</b>	<b>OFF, ON</b>
<b>Parade</b>	<b>OFF, RGB, YUV, Y</b>
<b>Vector</b>	<b>OFF, ON</b>
<b>RGB Histogram</b>	<b>OFF, ON</b>
<b>Histogram</b>	<b>OFF, ON</b>
<b>Audio Meter</b>	<b>OFF, ON</b>
<b>Return</b> ←	Back to the previous OSD menu




<b>Lut Switch</b>	<b>OFF, ON</b> After the LUT Switch is turned on, you can use the <b>Lut (SLOG2, SLOG3, LOGC, VLOG)</b> .
<b>Lut Import (SD)</b>	After copying the 3D LUT file to the SD card and inserting it into the SD card slot, you can click the “<” or “>” key in the Lut (SD) option, or rotate the wheel to import the 3D LUT file. <b>Note:</b> 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.
<b>HDR</b>	<b>OFF, ON</b> After turning on, can choose Gamma and Gamut corresponding to the company Sony, Canon, Panasonic, Fujifilm, Bolex, RED, ARRI
<b>Colortemp</b>	<b>5600K, 6500K, 9300K, user</b> Under the “user”, the <b>red</b> , <b>green</b> , and <b>blue</b> values of the image can be adjusted.
<b>Backlight Mode</b>	<b>manual, auto</b> Under "Manual", the <b>Backlight (1 ~ 100)</b> can be adjusted


	manually. Under "Auto", the brightness is automatically adjusted by the light sensor.
<b>Brightness</b>	<b>0~100</b>
<b>Contrast</b>	<b>0~100</b>
<b>Saturation</b>	<b>0~100</b>
<b>Hue</b>	<b>0~100</b>
<b>Sharpness</b>	<b>0~100</b>
<b>Return</b> ←	Back to the previous OSD menu



<b>Wheel</b>	<b>Backlight, Volume, Zoom Times</b> After selecting the wheel option, you can click the "<" or ">" button in the wheel option, or rotate the wheel to select one of the shortcut keys to set it to the rotary wheel adjustment (when the menu is not displayed).
<b>F1~F3</b>	Input, All Waves, Nine Grid, Safety Marker, Center Marker, Marker Mat, False Color, Lut Switch, Parade, Vector, RGB Histogram, Histogram, Audio Meter, Monochrome, Focus Assist, Zebra, Scan Mode, Video Aspect, Anamorphic Mode, Auto Mirror, Flip H, Flip V, Freeze, Pixel to Pixel, Mute, Lut Out
<b>Language</b>	中文, <b>English</b> , 日本語, <b>Deutsch</b> , <b>Français</b> , <b>Italiano</b> , <b>Español</b> , 한국, <b>Русский</b>
<b>OSD Alpha</b>	<b>OFF, low, middle, high</b>
<b>OSD Time</b>	<b>5s, 10s, 15s, 20s, 25s, 30s, always</b>
<b>Volume</b>	<b>0~100</b>
<b>Mute</b>	<b>OFF, ON</b>
<b>Save Config(SD)</b>	User custom menu saving After inserting SD card, click the "<" or ">" key to save the current configuration

<b>Load Config(SD)</b>	After inserting SD card, click the “<” or “>” key to load the saved configuration
<b>Reset</b>	After selecting the reset option, you can click the “<” or “>” key in the reset option or rotate the wheel to restore the factory settings.
<b>Firmware Update</b>	After copying the update file to the SD card and inserting it into the SD card slot, you can click the “<” or “>” key in the firmware update option or rotate the wheel to update. <b>Note:</b> 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.
<b>Return</b> 	Back to the previous OSD menu



	Exit the menu
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## 4. Support Formats

<b>HDMI Input/ Output Support Format</b>	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 (30/29.97/25/24/23.98) 4096x2160p (24Hz)
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## 5. Technical Parameters

<b>Panel Size</b>	7" touch screen
<b>Resolution</b>	1920 × 1200 pixels
<b>Dot Pitch</b>	0.07875 (H) x 0.07875 (W) (mm)
<b>Aspect Ratio</b>	16:10
<b>Brightness</b>	2200cd/m <sup>2</sup> (Light Sensor)
<b>Contrast</b>	1200:1
<b>Viewing Angle</b>	80°/80°(L/R) 80°/80°(U/D)
<b>Backlight</b>	LED
<b>Input</b>	HDMI
<b>Output</b>	HDMI, DC OUT 8.4V
<b>Audio</b>	3.5mm Stereo Headphone
<b>Power Input Voltage</b>	7~24V
<b>Power Consumption</b>	≤ 16W
<b>Unit Size</b>	190Lx125Hx24D (mm)
<b>Unit Weight</b>	509g
<b>Mount Points</b>	(3) ¼-20 thread points (left, right, bottom)
<b>Working Temperature</b>	-20℃ ~ 50℃
<b>Storage Temperature</b>	-30℃ ~ 60℃

## 6. Trouble Shooting

### 6.1 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.

### 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**

- 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.