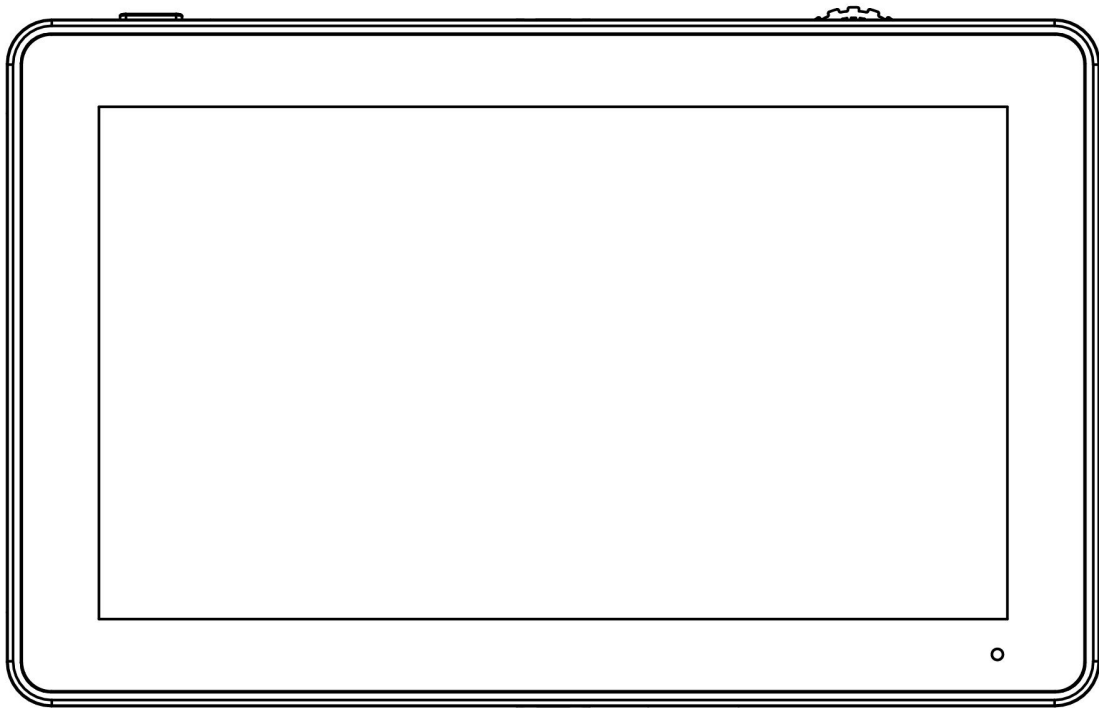


# **5.5" Touchscreen Monitor**

## **4K HDMI/3D LUT/HDR**



# **User Manual**

## **Product Overview**

Thank you for purchasing our Full HD 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. This monitor has HDMI input and output, auxiliary power output, touch screen menu operation, support user 3D LUT upload and HDR etc. It has small size, simple operation, portable convenience and wide application range. Advanced features include Parade, Vector, Histogram, Audio Meter, Focus Assist, False Color, Zebra Exposure, Pixel to Pixel, Center Marker, Safety Marker, Marker Mat, Monochrome, Image Freeze, Zoom, Anamorphic etc. It is an ideal, portable and lightweight viewfinder and video monitor.

The monitor is equipped with a 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.
- 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.

# Features

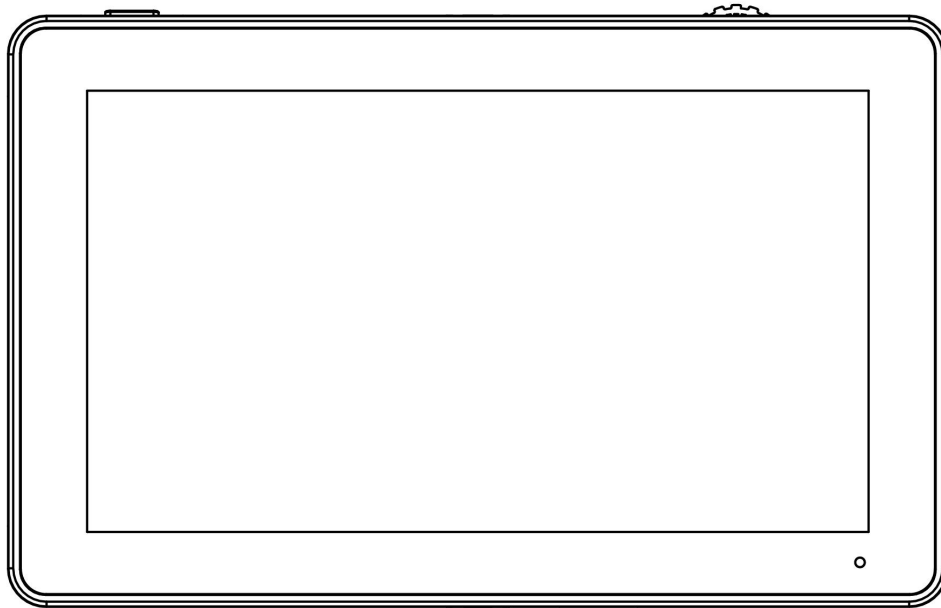
- Touch screen menu operation
- Support 3D LUT Log to REC.709 and user 3D LUT upload
- Support HDR monitoring
- 1920x1080 full HD IPS screen
- support 4K HDMI input and output  
UHD 4K 3840×2160p (30/29.97/25/24/23.98Hz)  
DCI 4K 4096×2160p (24Hz)
- All Waves display, Parada and Vector functions
- Histogram 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 8V power out to power your DSLR camera or mirrorless camera
- External sunshade, sunlight readable

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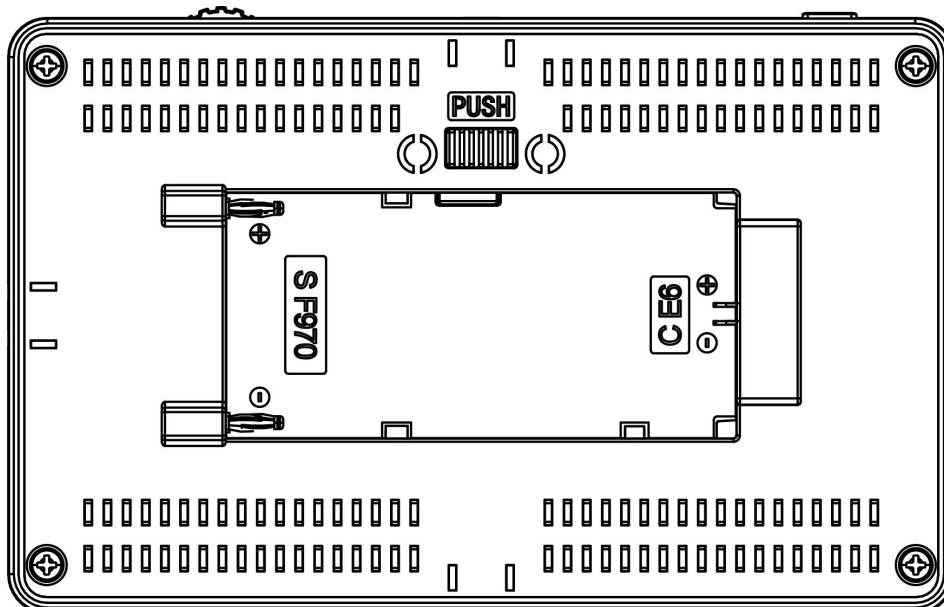
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## 1. Product Description

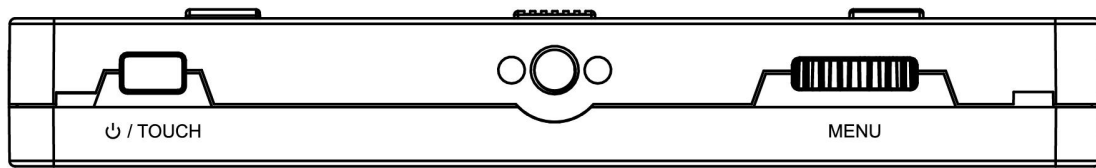
### ● Front Panel



### ● Back Panel



## 1.1 Button Instruction

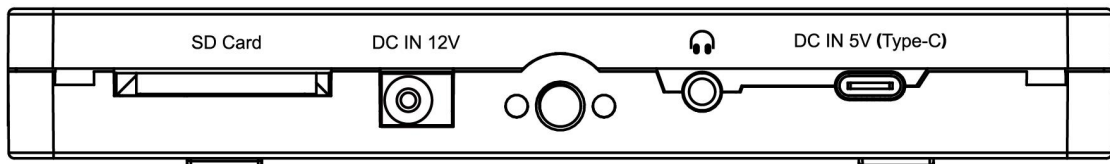


**⏻ / TOUCH** : Long press to turn on and off the power; short press to turn on and off the screen touch function

**MENU**: Long press to open the main menu and short press to open the shortcut menu. Rotate the wheel to select a menu item, press it again to open the corresponding menu function.

(See details: **2.Menu Operation Instruction**)

## 1.2 Port Instruction (Bottom)



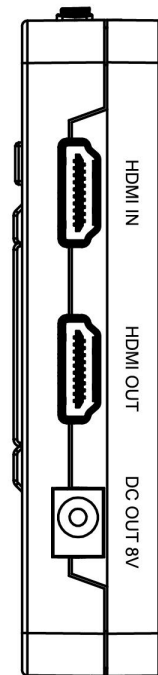
**SD Card**: SD card slot, 3DLUT upload via SD card and for firmware upgrade

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

: 3.5mm earphone port output


**DC IN 5V (Type-C)**: (Note: This port can be connected to the power bank and is not used for data transmission; it is only used for local power supply and cannot 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 OUT 8V:** 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 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.

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

Sony F970 F960 F950 F930 F770 F750 F730 F570 F550 F530  
QM91D QM91 QM90D QM90 QM71D QM71 QM70D QM70  
QM51D QM51 FM71 FM70 series

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

Canon LP-E6

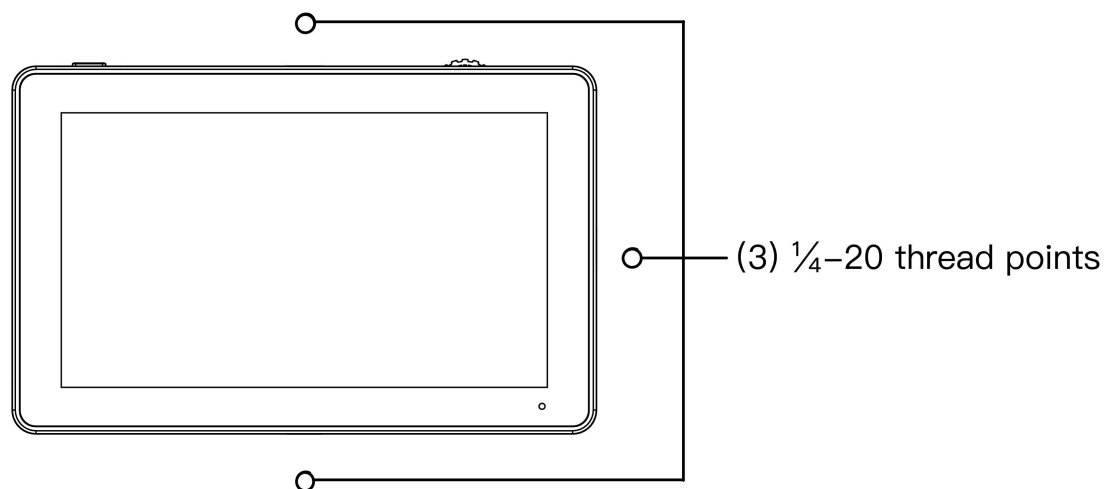
(2) Barrel (5.5mm outer, 2.1mm inner) at the bottom of the monitor, DC 7~24V Input.

(3) The bottom of the monitor has a Type-C 5V input power port, which can be connected to a power bank.

**Remark: 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.**

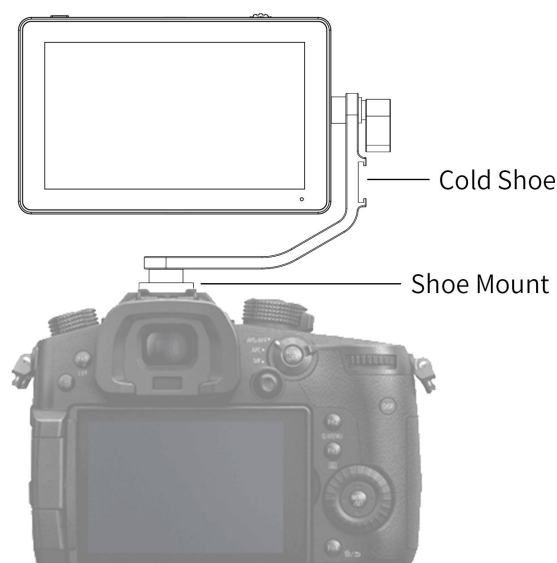
## 1.5 Mount Points

There are (3)  $\frac{1}{4}$ -20 thread points (top, bottom, & right side) can be easily connected to the hot shoe mount, tripod fixed installation.



## Tilt Arm Mounting

The monitor secures to your camera using the included Tilt Arm via shoe mount or  $\frac{1}{4}$ "-20 thread. The Tilt Arm enables  $180^\circ$  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 Sunshade



② Sunshade Frame



③ Fixed Frame





④ Sunshade Application

First lock the Sunshade Frame ② with 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

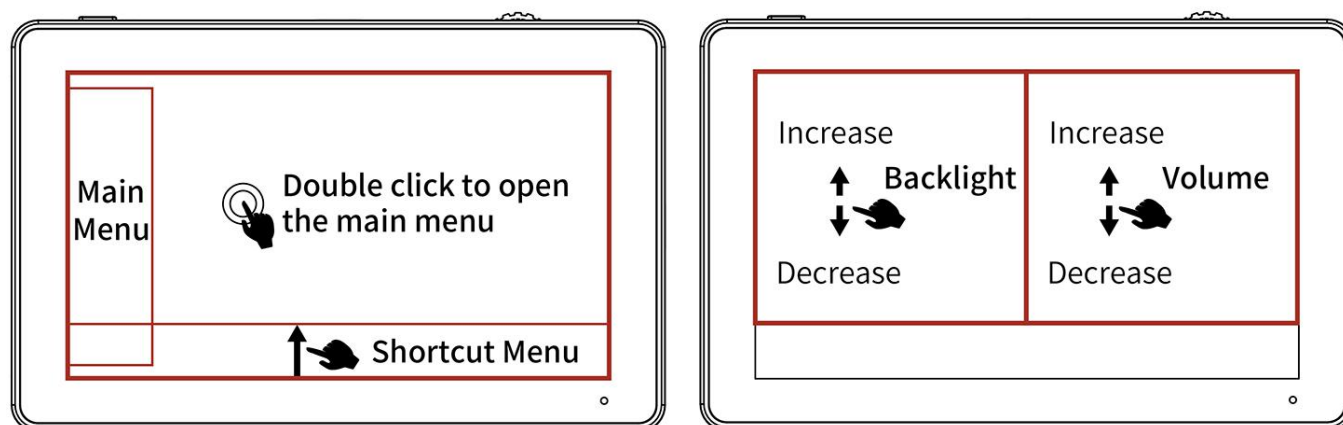
After the monitor is properly connected to the power supply, the indicator light is on (red). Press  / TOUCH button to turn on the monitor power. The indicator light turns yellow. After inputting the HDMI signal, the indicator light turns from yellow to green.

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


### (1). Directly touch the screen for menu operation (turn on the screen touch function)

- 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. Exit the menu and press  key of the main menu or click the touch screen.
- 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) Menu Operation of MENU Wheel**

- ①. When the menu is not displayed, directly rotate the wheel to backlight or brightness adjustment. The wheel option can be set to backlight or brightness 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>All Waves</b>	OFF, ON
<b>Parada</b>	OFF, RGB, YUV, Y
<b>Vector</b>	OFF, ON
<b>Histogram</b>	OFF, ON
<b>Focus Assist</b>	OFF, ON The focus level and focus color items are displayed after the focus assist is turned on.
<b>Focus Level</b>	1~10
<b>Focus Color</b>	yellow, red, green, blue, white
<b>Audio Meter</b>	OFF, ON
<b>Zebra</b>	OFF, ON The zebra value item is displayed only after the zebra is turned on.
<b>Zebra Value</b>	1%~100%
<b>Monochrome</b>	OFF, gray, red, green, blue
<b>False Color</b>	OFF, type 1, type2
<b>Return</b> ←	Back to the previous OSD menu



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



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



<b>HDR</b>	OFF, HLG 2020, HLG 709, HLG P3
<b>Lut Switch</b>	OFF, ON The Lut item is displayed after the Lut Switch is turned on.
<b>Lut</b>	SLOG2, SLOG3, LOGC, VLOG
<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>Colortemp</b>	5600K, 6500K, 9300K, user Under the “user” item, the red, green, and blue values of the image can be adjusted.
<b>Backlight</b>	1～100
<b>Brightness</b>	0～100
<b>Contrast</b>	0～100
<b>Saturation</b>	0～100
<b>Hue</b>	0～100
<b>Sharpness</b>	0～100
<b>Return</b> ←	Back to the previous OSD menu





<b>Wheel</b>	Backlight, Volume 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>Language</b>	中文, English, 日本語, Deutsch, Français, Italiano, Español, 한국, Русский
<b>Transparency</b>	OFF, low, middle, high
<b>OSD Time</b>	5s, 10s, 15s, 20s, 25s, always
<b>Auto Mirror</b>	OFF, ON After turning on, the image will automatically adjust upside down.
<b>Volume</b>	0~100
<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>Return</b> ←	Back to the previous OSD menu



	Exit the menu
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#### 4. Technical Parameters

<b>Panel Size</b>	5.5" touch screen
<b>Resolution</b>	1920 × 1080 pixels
<b>Dot Pitch</b>	0.0639 (H) × 0.0213 (W) mm
<b>Pixel Density</b>	400PPI
<b>Aspect Ratio</b>	16:9
<b>Brightness</b>	500cd/m <sup>2</sup>
<b>Contrast</b>	1000:1
<b>Viewing Angle</b>	80°/80°(L/R) 80°/80°(U/D)
<b>Backlight</b>	LED
<b>Adjustable Backlight</b>	Yes
<b>Input</b>	HDMI V1.4
<b>Output</b>	HDMI V1.4, 3.5mm stereo headphone jack
<b>Power In</b>	DC IN 12V, Barrel (5.5mm outer, 2.1mm inner), DC IN 5V (Type-C)
<b>Power Out</b>	DC OUT 8V, Barrel (5.5mm outer, 2.1mm inner; Power DSLR or mirrorless camera)

<b>HDMI Input/ Output Support Format</b>	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 (30/29.97/25/24/23.98Hz) DCI 4K 4096×2160p (24Hz)
<b>Power Input Voltage</b>	7～24V
<b>Power Consumption</b>	≦9W
<b>Unit Size (mm)</b>	148Lx93Hx20D (mm)
<b>Unit Weight</b>	235g
<b>Mount Points</b>	(3) ¼-20 thread points (top, bottom, right sides)
<b>Working Temperature</b>	-20℃～55℃
<b>Storage Temperature</b>	-30℃～65℃

## 5. Trouble Shooting

### 5.1 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.

### 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

- 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.