

5.7" Full HD On-camera Monitor

Support 4K HDMI Input



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. It is equipped with HDMI input, which make it wide application, casing compact, simple operation, portable convenience and strong compatibility.

Advanced features include Histogram, Focus Assist , False Colors, Zebra 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 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.
- 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

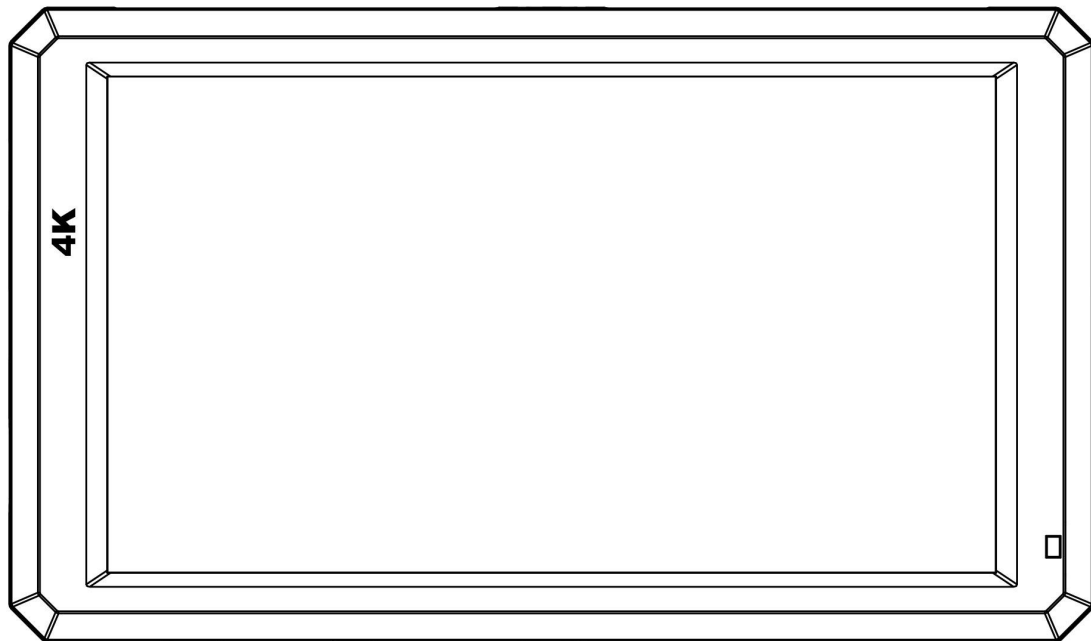
- 95% Color Gamut, Rec.709 Color calibration
- IPS LCD panel, support 4K HDMI input
 - UHD 4K 3840×2160p (30/29.97/25/24/23.98 Hz)
 - DCI 4K 4096×2160p (24Hz)
- Histogram is a quantitative tool to inspect the image brightness, to guide the exposure control
- Focus Assist (Focus edge can be Red, Green, Blue)
- 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
- DC8V Power out to power your DSLR camera or mirrorless camera
- External sunshade, sunlight readable

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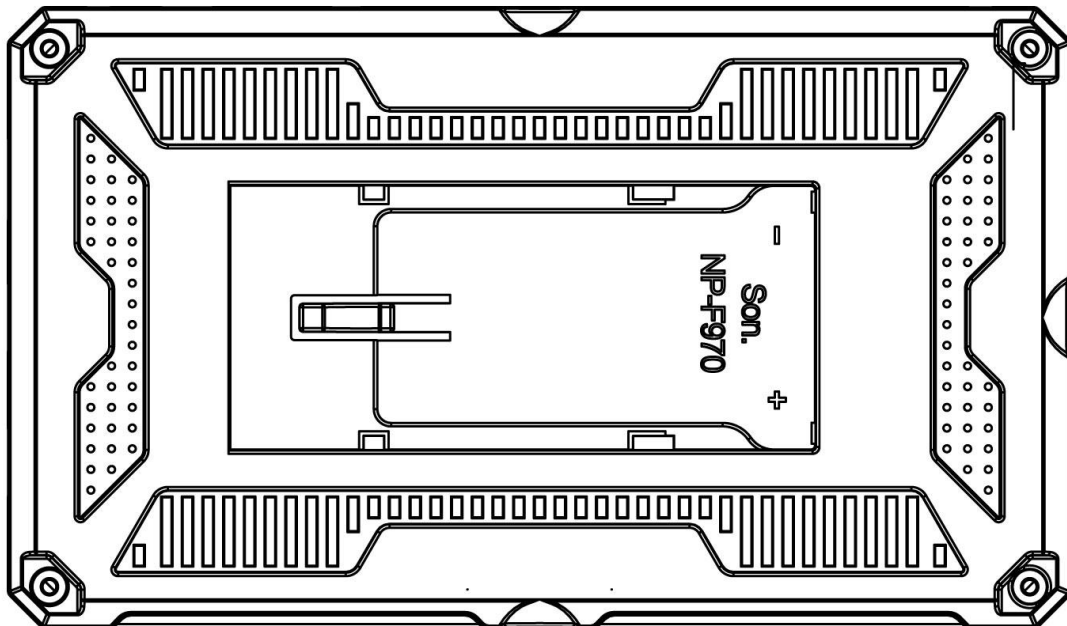
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1. Product Description

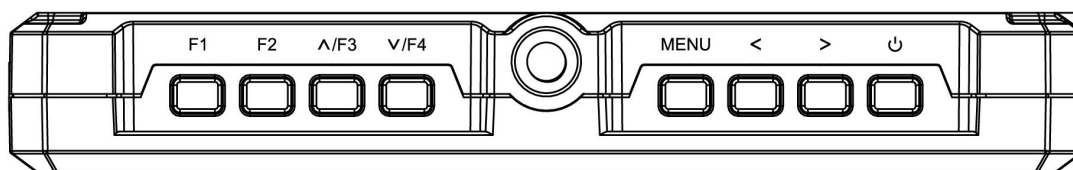
- Front Panel



- Back Panel

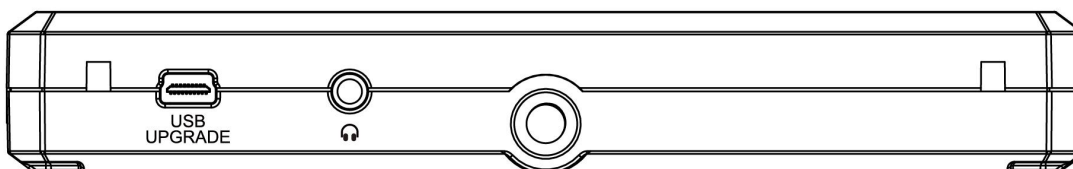


1.1 Button Instruction



Button	Function when OSD is not displayed	Function when OSD is displayed
F1	Custom button F1	/
F2	Custom button F2	/
^/F3	Custom button F3	Select previous menu item
√/F4	Custom button F4	Select next menu item
MENU	Display OSD Main menu	Return to previous OSD menu
<	Decrease the volume	Decrease or adjust value of selected parameter
>	Increase the volume	Increase or adjust value of selected parameter
⏻	Power On/Off button	

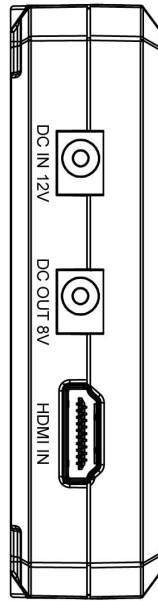
1.2 Port Instruction (bottom)





USB UPGRADE: Firmware USB upgrade port, only for factory.

: 3.5mm Earphone port output

1.3 Port Instruction (left)



DC IN 12V: DC power input interface, polarity as the input power  DC7~24V, power adapter is not included.

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.

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

1.4 Power Input

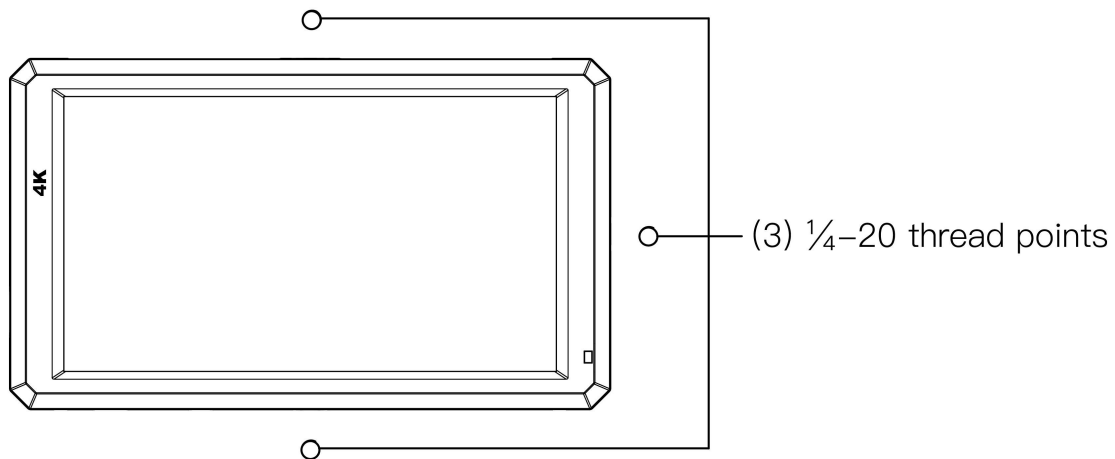
- (1) 1x Sony L-Style Battery slot at the rear of the monitor, can be power via Sony L-style NP-F550/F750/F970 battery.
- (2) Barrel (5.5mm outer, 2.1mm inner) at the left side of the monitor, DC 7~24V Input, Power adapter is not included.

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.

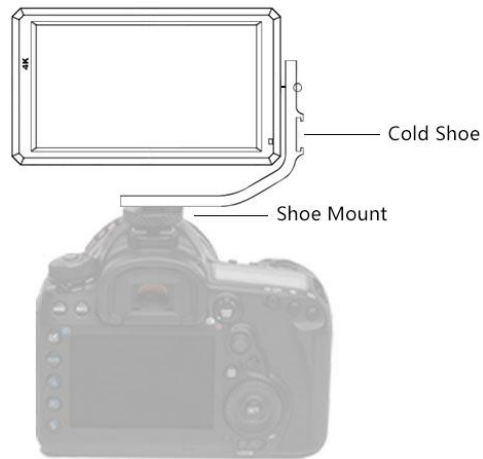
1.5 Mount Points

(1) There are (3) 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 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 Sunshade



② Sunshade Frame



③ Fixed Frame





④ Sunshade Application

First open the Sunshade Frame 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 ③, 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 "**√/F4**" button to enter secondary menu (cursor move to secondary menu position).

Press "**√/F4**" or "**^/F3**" button to move cursor 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.
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Waveform	<p>Off, RGB, Y, YUV</p> <p>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.</p>
Vector	<p>Off, On</p> <p>Shows how saturated the image is and where the pixels in the image land on the color spectrum.</p>
Histogram	<p>Off, RGB1, Y, RGB2</p> <p>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</p> <p>Y Histogram: A quantitative tool to check the picture brightness, display different color for different brightness.</p>
Waves Trans.	<p>Off, 25, 50, 75</p>
Focus Assist	<p>Off, On</p> <p>By sharpening the edge of images to help photography for focusing operation.</p>
Peaking Color	<p>Red, Green, Blue</p> <p>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.</p>
Embedded Audio	<p>Off, On</p>

	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 The area of the picture can be divided into 9 equal grids.
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 Provides a wide variety of aspect ratio to match different camera anamorphic lenses.
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 " \vee /F4" or " \wedge /F3" key zoom in to full screen. Press the " \vee /F4" or " \wedge /F3" 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) . 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.
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 (USB-female to mini-USB), 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 Adjust the screen brightness
Pic. Mode	Standard, Mild, User, Dynamic Under the User , you can adjust the image Brightness, Contrast, Saturation, and Sharpness.
Brightness	0~100 Adjust the image brightness
Contrast	10~100 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
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
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	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 Adjust the transparency of the menu picture background on the screen.
OSD Time	Off, 10Sec, 20Sec, 30Sec Select the display time of the menu on the screen
No Signal	Blue Screen, Red Screen, Green Screen, Gray Screen, Black Screen, White Screen Can be change the background color of screen when no signal
Volume	0~100 Adjusting the speaker volume
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~F4	All waves, Center Marker, 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,
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To set the 4 shortcut custom button **F1~F4** on the panel.
e.g. When in OSD menu “**F**”, 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. How to Load LUT

Prepare tool: USB flash driver, mini USB to USB cable



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 the mini USB to USB can and connect with the USB interface of monitor.

4.4.2 Enter main menu  --LUT--**Lut Import** -- press the “<” or “>” button to import the 3D LUT file , 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** -- press the “<” or “>” button **Confirm**, the imported LUTs will be clear up.

5. Technical Parameters

Panel Size	5.7 inch IPS
Resolution	1920 x 1080 pixels
Color Gamut	95% NTSC (Rec.709 Color Calibration)
Pixel Density	386 PPI
Aspect Ratio	16:9
Brightness	460cd/m ²

Contrast	1400:1
Viewing Angle	85°/85°(L/R) 85°/85°(U/D)
Backlight	LED
Adjustable Backlight	Yes
Input	HDMI V1.4, Power IN
Power output	DC OUT 8V, Barrel (5.5mm outer, 2.1mm inner; Power DSLR or mirrorless camera)
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) DCI 4K 4096×2160p (24Hz)
Headphone Output	stereo 3.5mm
Power Input Voltage	DC: 7~24V
Power Consumption	≦ 8W
Unit Size (mm)	154Lx90Hx23D (mm)
Unit Weight	200g
Mount Points	(3) ¼-20 thread points (top, bottom, & right side)
Working Temperature	- 20°C ~ 55°C
Storage Temperature	- 30°C ~ 65°C

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

- 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.