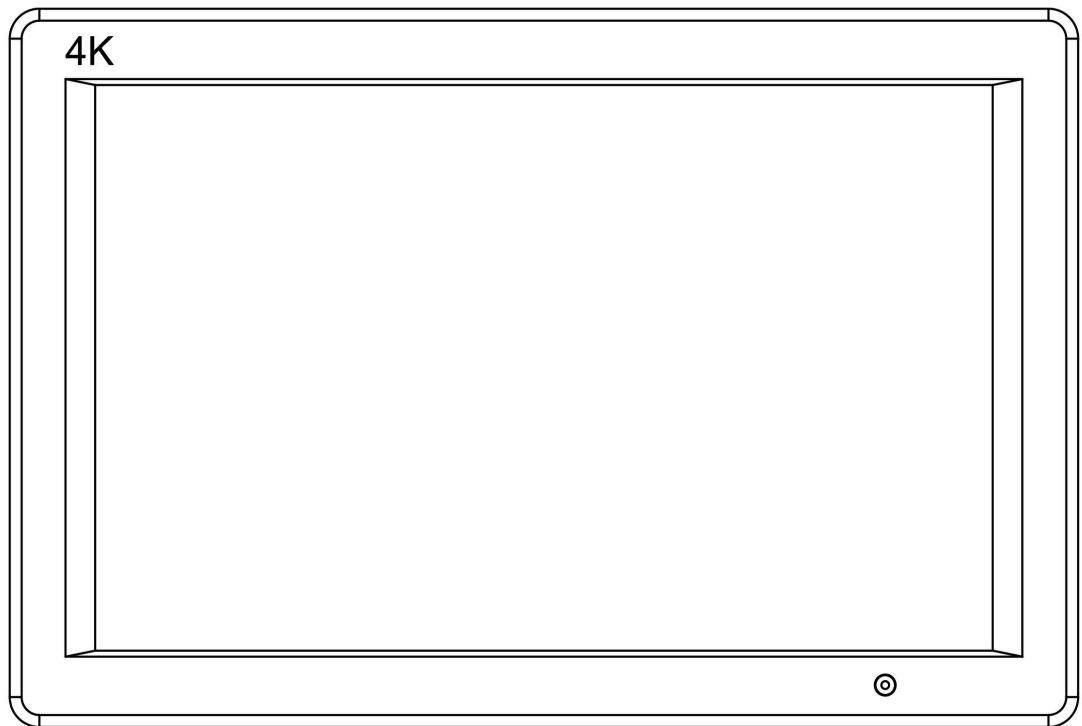


7" Full HD On-camera Monitor

Support 4K HDMI Input/ Output



User Manual

Product Overview

Thank you for purchasing our photography, broadcasting kits 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 All waves, 3D LUT, Histogram, False Colors, Zebra Exposure, Focus Assist, Embedded Audio, Nine Grid, Center Marker, Safe Frames, Color Temp., Picture Setting, Color Setting etc., ideal portable lightweight as viewfinder and video monitor.

The monitor is equipped with an external 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.
- Please use the qualified adapter, or use the qualified battery if need.
- 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 keep away from the rubber.
 4. Please do not clean the case hard.
 5. Please simply wipe with a clean soft cloth and make sure no water on the cover.

Features

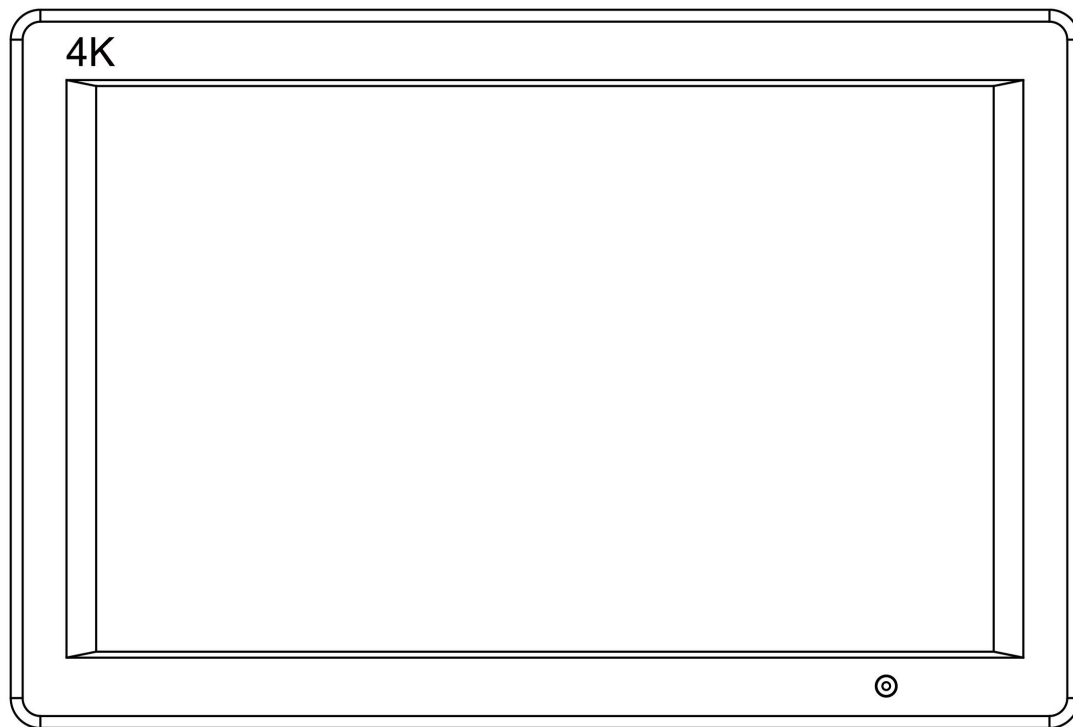
- IPS LCD panel, full HD 1920X 1200
- Support 4K UHD signal input and output
3840×2160p (30/29.97/25/24/23.98 Hz) / 4096×2160p (24Hz)
- Support 3D LUT Log to REC.709 and user 3D LUT upload
- Histogram is a quantitative tool to inspect the image brightness, to guide the exposure control
- Analog stereo L/R, embedded audio display
- Focus Assist (Focus edge can be Red, Green, Blue)
- 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
- Display and adjust the image Color Temp
- Brightness, Contrast, Tint, Saturation and Color Temp Adjustment.
- Support varieties of the different types of the battery brands (F970, E6, D28S, U60)
- Speaker and earphone output
- External sunshade, sunlight readable

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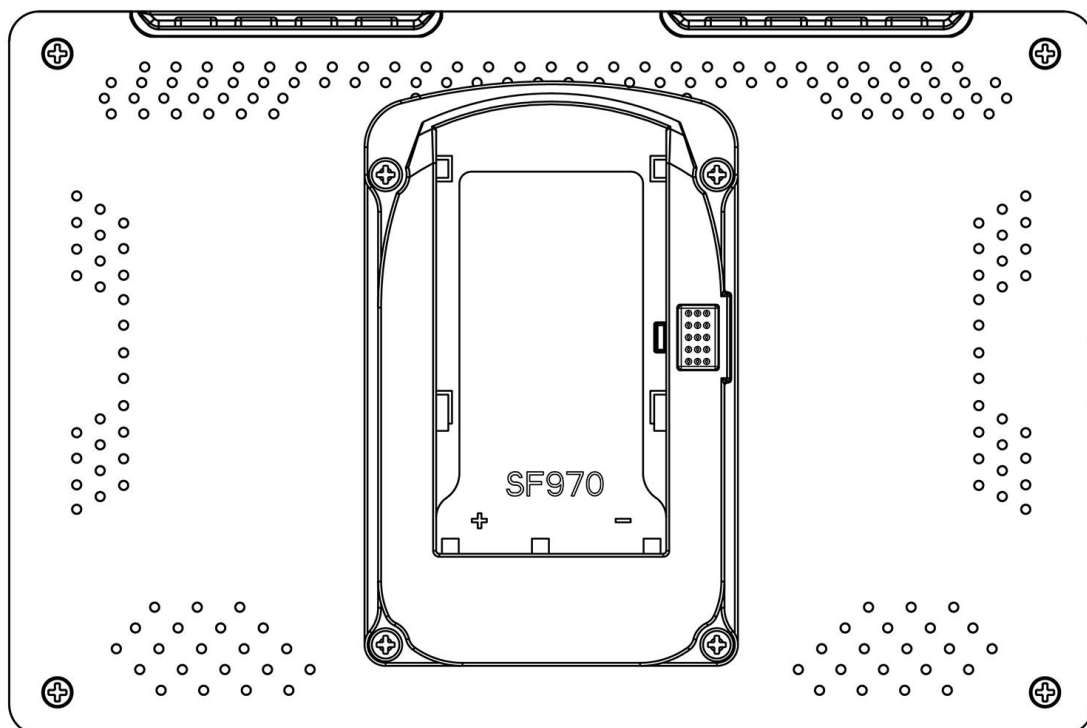
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1. Product Description

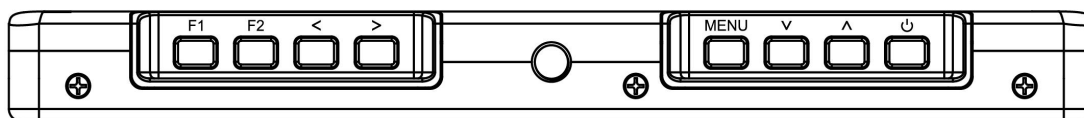
● Front Panel



● Back Panel

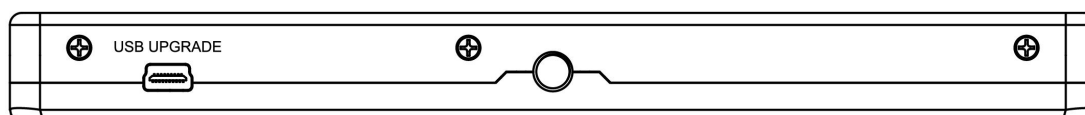


1.1 Button Instruction



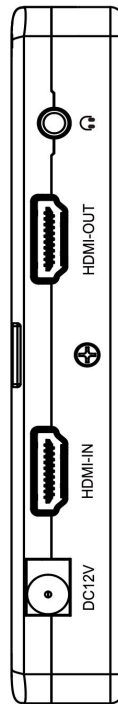
Button	Function when OSD is not displayed	Function when OSD is displayed
F1	Custom button F1	/
F2	Custom button F2	/
<	Decrease the volume	Decrease or adjust value of selected parameter
>	Increase the volume	Increase or adjust value of selected parameter
MENU	Display OSD Main menu	Return to previous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

1.2 Port Instruction (Bottom)



USB UPGRADE: Firmware USB upgrade port, 3D LUT files import.


1.3 Port Instruction (Left)



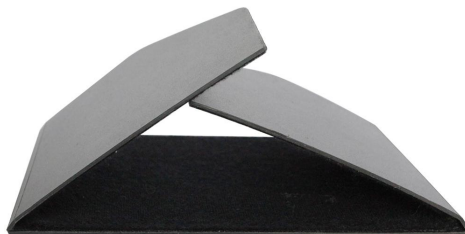
: 3.5mm Earphone port output

HDMI OUT: HDMI signal output

HDMI IN: HDMI signal input

DC12V: DC power input interface, polarity as the input
power 

1.4 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.

1.5 Battery Plate

There is a battery plate installed on the back of the monitor, you can assemble the corresponding battery to power the monitor.

There are many different battery plates. Customers can choose the suitable battery plate according to the battery.

Battery Plates in different models as below:



F970



LP-E6



D28S



U60

● **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

- **D28S battery plate for battery of Panasonic DV:**

Panasonic D55 554S D54SE D40 D35 D33 D32 D28 D25 D22 series

- **U60 battery plate for battery of Sony DV:**

SONY BP-U30/U60/U90, domestic U62/U65/U66/U95/U98 series.

- **Four types of batteries corresponding to the upper battery plates.**



F970



LP-E6




D28S




U60

Remark: It is recommended to use standard original 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. 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. Then press "V" button to enter secondary menu (cursor move to secondary menu position).

Press "V" or "^" button to move cursor and select the items in the secondary menu.

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

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.
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 "V" or "^" key zoom in to full screen. Press the "V" or "^" 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	<p>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</p> <p>To set the 2 shortcut custom button F1, F2 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.</p> <p>Same setting for F2</p>
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4. Technical Parameters

Panel Size	7.0 inch
Resolution	1920×1200 pixels
Dot Pitch	0.07875(W) x 0.07875 (H)mm
Aspect Ratio	16:10
Brightness	450cd/m ²
Contrast	1200:1
Viewing Angle	80°/80°(L/R) 80°/80°(U/D)
Backlight	LED
Input	HDMI
Output	HDMI
Audio	3.5mm Stereo Headphone, Speaker
HDMI Input / Output 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) 4096×2160p (24Hz)
Input Voltage	DC7~24V
Power Consumption	≦8W
Unit Size (mm)	180Lx120Hx18D (mm)
Unit Weight	320g/350g (With F970 Battery Plate)
Mount Points	1/4-20 thread points (top, bottom)
Working Temperature	- 20℃ ~ 55℃
Storage Temperature	- 30℃ ~ 65℃

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, and if monitor is synchronized with the input signal.
- 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 No sound

- ① Check if Volume control do not open, rotate the volume button, and try to increase the volume.
- ② Check the HDMI input and ensure there is HDMI signal.

■ 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.