7" Full HD SDI 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 SDI, HDMI input and output, which make it wide application, casing compact, simple operation, portable convenience and strong compatibility.

Advanced features include Histogram, False Colors, Zebra Exposure, Focus Assist, Nine Grid, Embedded Audio, 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 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.
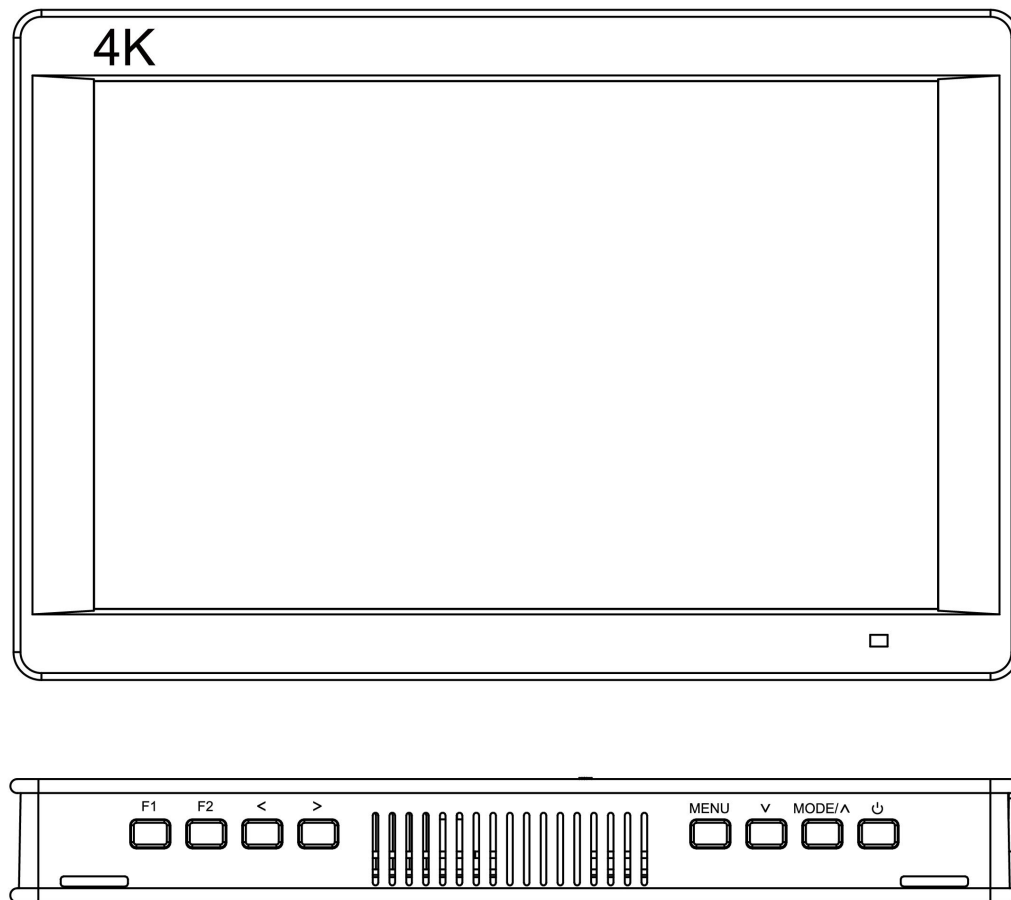
Features

- IPS Full HD LCD panel,

- 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)

- Zebra and False Color function, convenient to guide the using

  light when shooting and the post production

- Check Field (Red, Green, Blue, Mono)

- Anamorphic Mode

- Image Flip (H, V, H/V)

- Image Freeze

- Image Nine Grid, zoom one of the images to realize the full screen

- Image Zoom-in function.

- 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

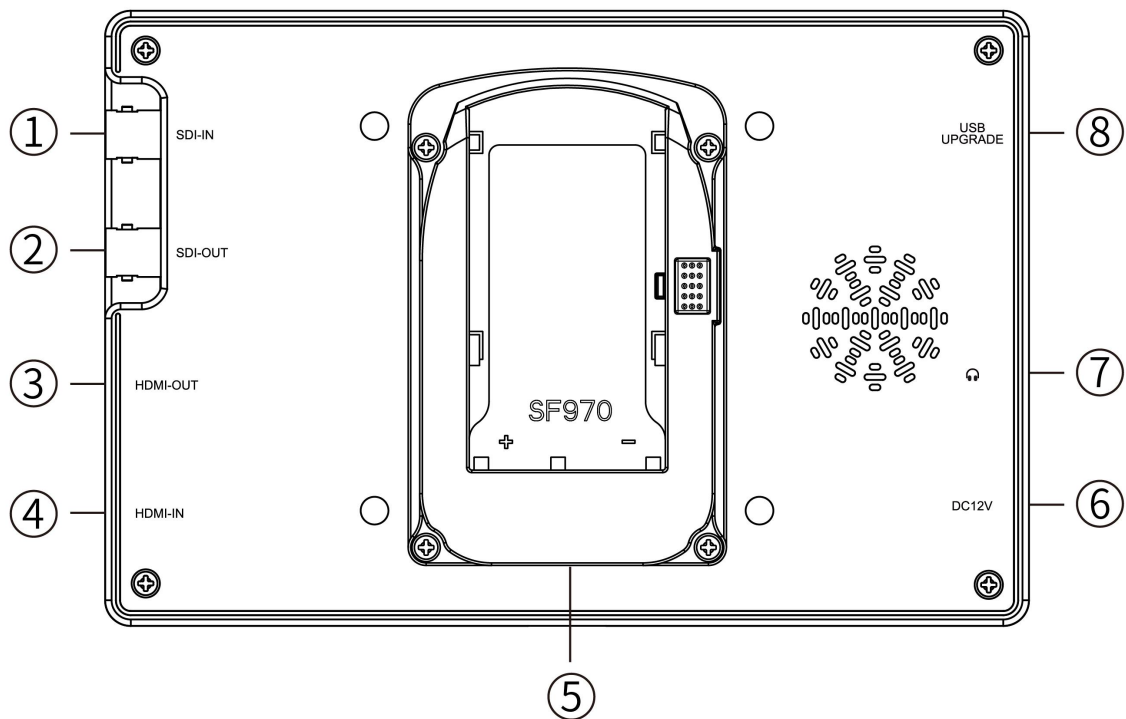 (F970, E6, D28S, U60)

- Speaker and earphone output

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1. Product Description

1.1 Front Panel/ Button Instruction

4K

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
MODE/∧	Signal input selection	Select previous menu item
⏻	Power on/off button	

1.2 Rear Panel Instruction

①. SDI-IN: SDI signal input

②. SDI-OUT: SDI signal output

③. HDMI-OUT: HDMI signal output

④. HDMI-IN: HDMI signal input

⑤. Battery plate

⑥. DC power input interface

⑦. ☊: Earphone output port

⑧. USB upgrade port/LUT upload

1.3 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: 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.

CAUTION

**RISK OF EXPLOSION IF BATTERY IS REPLACE
BY AN INCORRECT TYPE
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS**

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.

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 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 the "MENU" button to open the main menu (on the right
side of the screen), press "∨" or "**MODE/∧**" to select the
menu, press ">" to enter the secondary menu, and then press
"∨" or "**MODE/∧**" to select the secondary menu Menu
options.

After selecting the secondary menu option, press "<" or ">" to
adjust the parameter value.

After adjusting to the preset parameters, press the "∨" or
"**MODE/∧**" button to enter the next adjustment. After
adjustment, press "MENU" to exit.

3. Menu Function Instruction

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Histogram	Off, On
Focus Assist	Off, On
Peaking Color	Red, Green, Blue

Embedded Audio	Off, On
Over Exposure	Off, On
Exposure Level	IRE10～IRE100
Check Field	Off, Mono, Red, Green, Blue
False Colors	Off, On

●

Nine Grid	Off, On
Safe Frames	Off, 80%, 85%, 90%, 93%, 96%, 2.35:1
Center Marker	Off, On
Ratio Marker	Off, 4:3, 13:9, 14:9, 15:9, 16:9, 1.85:1, 2.35:1
Mark Color	Red, Green, Blue, Black, White
Mark Width	1～7
Modified Mark	0～5

●

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, L/R Zoom, U/D Zoom** can be customized.
Zoom All	0～500
L/R Zoom	0～500
U/D Zoom	0～500
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 "∨" or "**MODE/∧**" key zoom in to full screen. Press the "∨" or "**MODE/∧**" 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**

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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
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**

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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、**p усский 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	**Safe Frames, Check Field, Focus Assist, Aspect Ratio, Image Flip, Image Freeze, Histogram, False Colors, Over Exposure, Embedded Audio, Nine Grid, Zoom, Anamorphic, Center Marker** To set the 2 shortcut custom button **F1**, **F2** on the panel. e.g. When in OSD menu "", 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

4. Technical Parameters

Panel Size	7" IPS
Resolution	1920×1200 pixels
Dot Pitch	0.07875(W) x 0.07875 (H)mm
Aspect Ratio	16:10
Brightness	450cd/㎡
Contrast	1200:1
Viewing Angle	80°/80°(L/R) 80°/80°(U/D)
Backlight	LED
Input	SDI, HDMI
output	SDI, HDMI
Audio	3.5mm Stereo Headphone, Speaker
SDI Support Format	576i 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)
HDMI Input / Output Support Format	480i/576i/480p/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	DC6.5~24V
Power Consumption	≦9W
Unit Size	180Lx120Hx22D (mm)
Unit Weight	320g/350g (With F970 Battery Plate)

Installation Method	1/4 inch bracket screw holes, can be easily connected to the hot shoe mount, tripod fixed installation
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 does not open, try to increase the volume.

② Check the signal input source is normal or not.

■ 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.