

10.1" Full HD Field Monitor

Support 4K HDMI Input/ Output



User Manual

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1. Product Overview

Thank you for using our professional broadcasting kits color LCD monitor. This monitor adopts advanced integrated circuits, high-quality new HD IPS LCD panel, which makes it low power consumption, stable performance etc. Advanced features include Focus Assist, Center Marker, Safe Frames, Color Temp. adjust, ideal portable lightweight as viewfinder and video monitor equipment.

Our monitor not only has 3G-SDI (Optional), HDMI, YPbPr, video input & output and Audio (L/R) input, but also has multi way of installation which can be easily installed with various hot shoes mount, bracket and sunshade. To meet different customers' needs that use outdoor under high sunlight or outdoor without the power. It is the best partner of photography. It is widely used in professional camera video creation, aerial, security and other fields.



To insure best use of the unit, please read the user's manual carefully

- Please read this manual before using the product.
- Please keep manual for future reference.
- Please read the cautions to prevent the possible danger and loss of property.
- Please follow the instruction to use this product.
- Do not use the accessory without authorized by the Manufacturer. Improper use will cause serious accidents.

2. Cautions

- 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 reduces the service life.
- The screen of this product is made of glass. Please do not display the screen towards the ground. Keep away from injury if the screen is broken.
- Keep the product away from the heat source, such as radiator, water heater, stoves or other heating products.
- Avoid prolonged exposures to the sun as the LCD screen will be damaged.
- Please use the qualified adapter.
- To avoid damaging the product, please do not take apart or repair the unit by yourself without adjustable component in the unit.
- To better maintain the LCD screen, please notice the way as below to avoid the scratch, discoloration and other damage.
 1. Please refrain from using hard objects to hit the screen.
 2. Please do not force to wipe the screen.
 3. Please do not use 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 better protect the plastic cover, please follow these ways as below to avoid the damage:
 1. Please do not use 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 hard casing.
 5. Please simply wipe with a clean soft cloth and make sure no water on the cover.

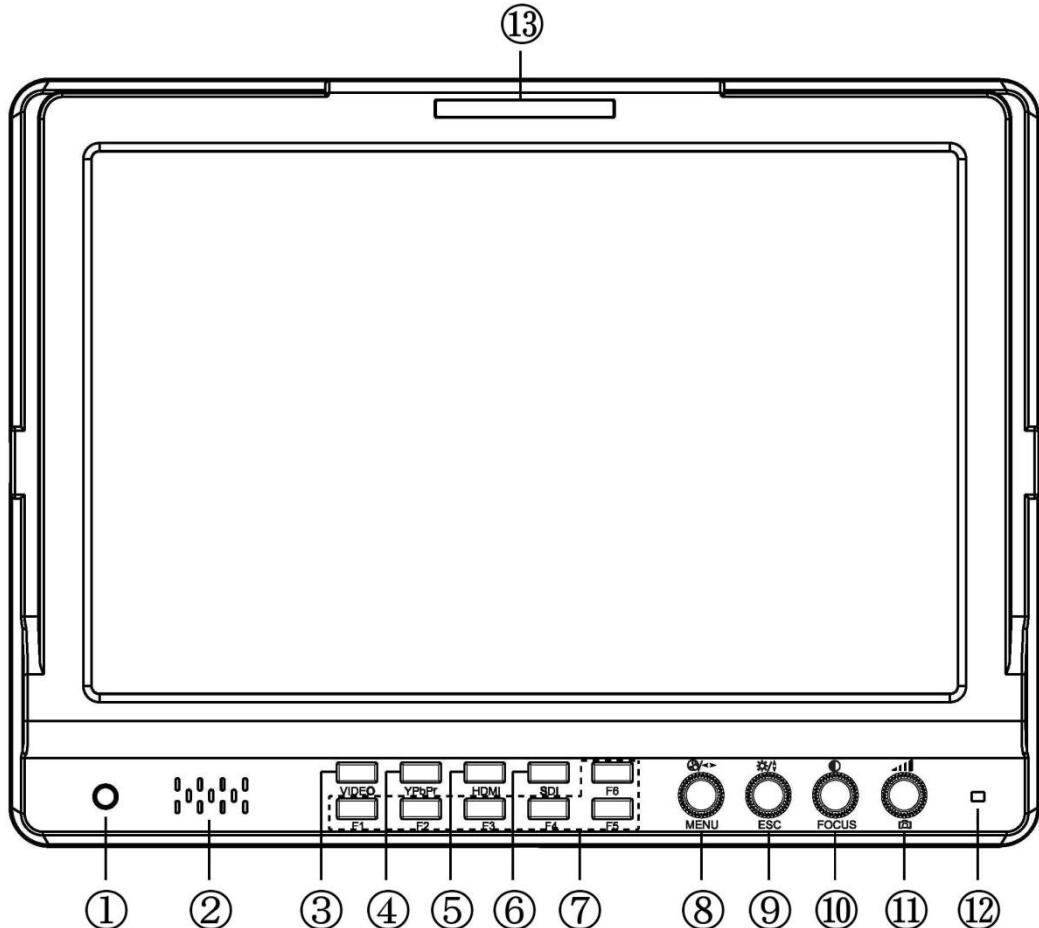
3. Product Features

- IPS LCD panel, full HD 1920X1200
- Support 4K UHD signal input and output
3840×2160p (30/29.97/25/24/23.98 Hz) / 4096×2160p (24Hz)
- Supports 3D LUT Log to REC.709 and user 3D LUT upload (up to 32).
- With Waveform, Vector scope, RGB Histogram, Focus Assist, Monochrome etc. functions, can help you accurately exposure and focus every shot.
- Support a variety of different types of battery brands (F970, E6, D28S, V Type, Anton)
- A variety of SD HD video interface SDI (Optional), HDMI, YPbPr, Video inputs and outputs.

- Speaker and earphone output
- External sunshade, sunlight readable

4. Product Description

Front Panel Features



1. ①: Earphone jack
2. Speaker
3. VIDEO: Video signal input selected
4. YPbPr: Ypbpr signal input selected
5. HDMI: HDMI signal input selected
6. SDI: SDI signal input selected (Without SDI model, this button has no effect)

7. F1, F2, F3, F4, F5, F6: User-definable Function Buttons

8.  /  / MENU: Without enter into the menu, directly rotate this button, it is for image Saturation adjustment.

Press this button to pop up OSD menu or confirm the selected function, rotate it to select the secondary menu bar or function menu set and analogue value adjustment.

9.  /  / ESC : Without enter into the menu, directly rotate this button, it is for backlight adjustment.

Under menu operation, press it to exit menu.

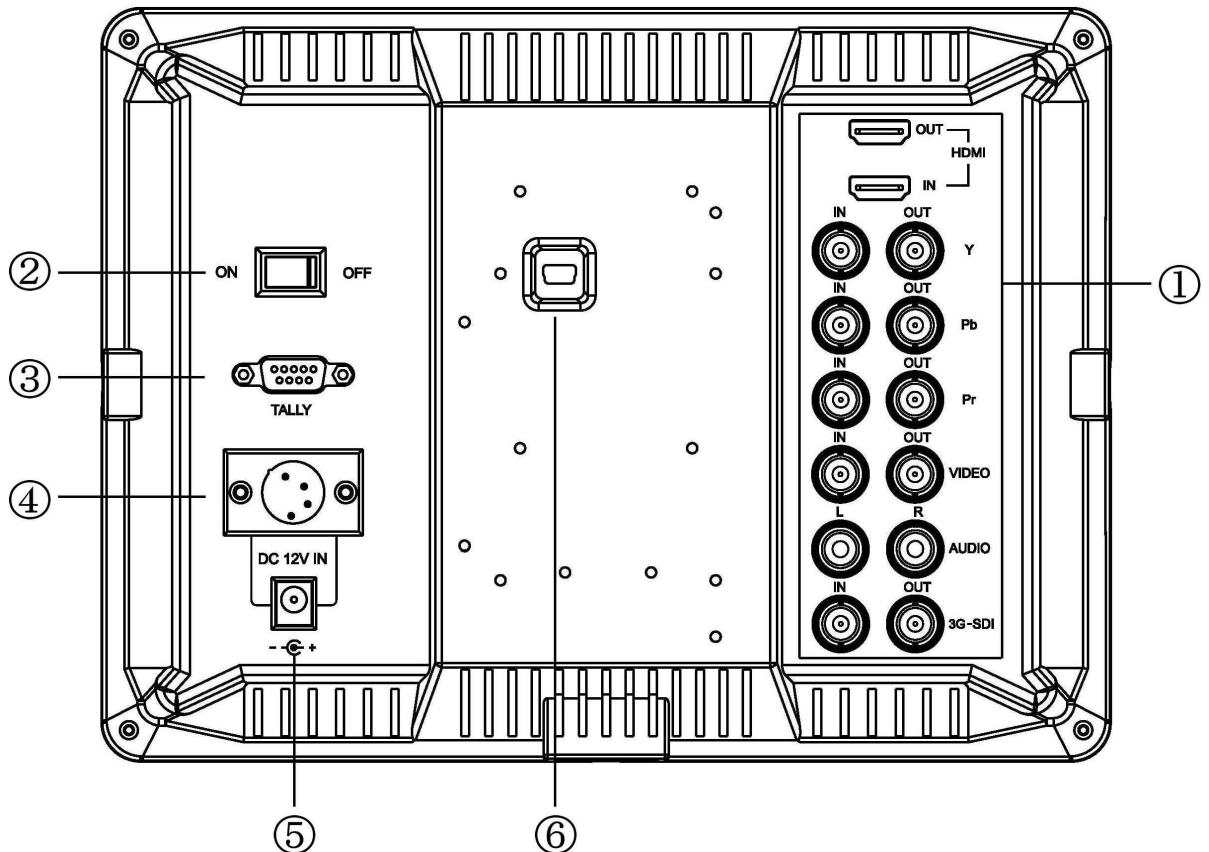
10.  / FOCUS: Directly rotate this button is for image Contrast adjustment. Press it directly is the Focus Assist shortcut button.

11.  /  : Directly rotate this button is for Volume adjustment. Press it directly is the image freeze shortcut button.

12. Power indicator

13. TALLY indicator

↳ Rear Panel Features



1. Signal interfaces

(See below “Signal Interfaces Instruction”)

2. Power switch: —: Power on (ON), O: Power off (OFF)

3. TALLY (indicator) signal input

4. 4-PIN (XLR) DC 12V Power input

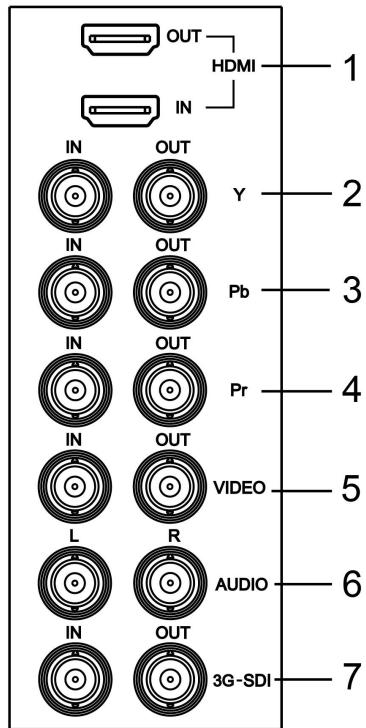
— - C +

5. DC power input port DC 12V IN

6. USB port for LUT import or upgrade

Remark: There is a hidden USB interface behind the battery plate, please remove the battery plate if you need to upgrade or import LUT files.

Signal Interfaces Instruction



1. HDMI IN & OUT
2. Y IN & OUT
3. Pb IN & OUT
4. Pr IN & OUT
5. VIDEO IN & OUT
6. AUDIO L/ R IN
7. 3G-SDI IN & OUT (Optional)

5. Power Supply

This monitor can be powered with these three ways:

★ DC Power Supply:

The power supplied by the adapter. 12V is optional DC voltage charger, insert DC power input interface directly. You can choose qualified adapter with output voltage DC 6~36V, output capacity >12W by customers.

Please note the input polarity is Positive with respect to:

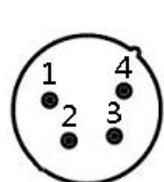
Picture: 

Otherwise our LCD monitor might be damaged.

If need to use other specifications adapter, please provide the qualified adapter whose power supply should be not less than 12W (DC6V-36V).

★ This product also can be powered by 4-Pin XLD interface to use the power supplied from camera:

4-Pin (XLR) power input connection:



Pin number	Signal
1	GND
2	No connection
3	No connection
4	+12V

★ Powered by Battery:

There is a battery plate installed on the back of the monitor, you could install the battery to it and supply the battery to the monitor. It is suitable for outdoor use.

There are five different types of batteries; customers can choose the corresponding battery according to the battery plates. (Standard accessory is F970 if no request).

★ Battery Plate:



F970



LP-E6



D28S



U60



Anton Plate



V-Mount Plate

We assemble the suitable battery plate for the customers according to the different requirements of the batteries. If the customers have no requirement on the battery, the factory assembles F970 battery plate by default.

•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

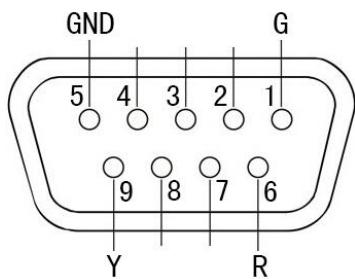
• **U60 battery plate for battery of Sony DV:**

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

• **Sony V-mount camera battery Plate**

• **Panasonic Anton Bauer battery Plate**

6. TALLY Indicator Connection



Indicator Color	Pin connect
Green	1-5
Red	6-5
Yellow	9-5

7. Menu Operation Instruction

Follow the instructions mentioned above then plugged into a power supply and signal, turn on the power, and then follow below instructions for menu operation:

- 7.1 Press “**MENU**” to enter “**main menu**” interface.
- 7.2 Left/ right rotate “//**MENU**” button to select and confirm, then rotate “//**MENU**” knob to enter into the secondary menu.
- 7.3 After enter into secondary menu, then rotate “//**MENU**” knob to enter and select the corresponding items (The cursor moves accordingly).
- 7.4 When the cursor stay in the corresponding set item, then rotate “//**MENU**” knob to adjust or select the selected item.
- 7.5 Press “//**MENU**” to confirm after selected, the cursor will change to gray color after confirmed.
- 7.6 Press “//**ESC**” knob to return or exit all Menu.

8. Menu Function Instruction



Assist

 All Waves	<p>On, Off</p> <p>After turning on, waveform, vector, histogram and embedded audio will be shown.</p>
 Waveform	<p>On, Off</p> <p>Mode : RGB, YUV, Y</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> <p>Waves Trans. : Off, 25%, 50%, 75%</p>
 Vector	<p>On, Off</p> <p>shows how saturated the image is and where the pixels in the image land on the color spectrum.</p>
 Histogram	<p>On, Off</p> <p>Mode: RGB1, RGB2, Y</p>
 Focus Assist	<p>On, Off</p> <p>Color : (Red, Green, Blue)</p> <p>Peaking Level : you can adjust the peaking level after turning on (1 ~ 10)</p>
 Embedded Audio	<p>On, Off</p> <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.</p>

	On, Off Exposure Level : you can adjust the exposure level after turning on (10~100)
	On, Off Mode : Red, Green, Blue, Mono
	On, Off



Marker

	On, Off Color : Red, Green, Blue, Black, White, Gray
	On, Off Mode : 80%, 85%, 90%, 93%, 96%, 2.35:1 Color : Red, Green, Blue, Black, White, Gray
	On, Off Color : Red, Green, Blue, Black, White, Gray
	On, Off Mode : 4:3、13:9、14:9、15:9、16:9、1.85:1、2.35:1 Color : Red, Green, Blue, Black, White, Gray Modified Mark : 0~5



Image

	Under Scan, Over Scan
	Auto, 16:9, 16:10, 4:3, 5:4, 1.85:1, 2.35:1, Full Screen
	On, Off Mode: 1.33X, 1.6X, 2.0X, 2.0X MAG, User Under the User , can be customized (1.20X~2.00X)
	On, Off Mode: H Flip, V Flip, H_V Flip
	On, Off Mode: 2X、4X、9X、16X、User Under the User , can be customized (100%~200%)
	On, Off
	On, Off



User Option

 LUT	<p>On, Off</p> <p>After the LUT Switch is turned on, you can use the Lut (SLOG2, SLOG3, LOGC, VLOG).</p> <p>Lut Import: Confirm</p> <p>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 “ /MENU” knob</p> <p>Confirm to import the 3D LUT file.</p> <p>Lut Table</p> <p>Show the 4 built-in Lut and the custom load Lut(up to 32)</p>
 Display Adjustment	<p>Backlight: 0~100</p> <p>Brightness: 0~100</p> <p>Contrast: 0~100</p> <p>Saturation: 0~100</p> <p>Tint: 0~100</p>
 Color Adjustment	<p>Color Temp.: 5600K, 6500K, 9300K, User</p> <p>Under the User, the red, green and blue of the image can be adjusted (0~255)</p>
 Shortcut Key	<p>All Waves, Waveform, Vector, Histogram, Embedded Audio, Center Marker, Safe Frames, Nine Grid, Focus Assist, False Colors, Over Exposure, Anamorphic, Image Freeze, Check Field, Zoom, Image Flip, Aspect Ratio</p> <p>To set the 6 shortcut custom button F1~F6 on the panel e.g.:Using “ /MENU” knob to setting. Press it enter menu and rotate it select User Option and press to confirm. Then</p>

	<p>rotate it to select F Shortcut Key and press to confirm, select F1 and confirm to pop-up function items, then left/right rotate to select one of them and press to confirm, the cursor will be changed to gray color after confirmed.</p> <p>Same setting for F2~F6</p>
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System

	English、简体中文、Español、Português、Français、Nederlands、Deutsch、日本語、繁體中文、한국어로、 русский язык
	<p>OSD Time: Off, 15Sec, 30Sec, 45Sec</p> <p>OSD Trans: Off, 25%, 50%, 75%</p> <p>No Signal: Red, Green, Blue, Black, White, Gray</p>
	<p>On, Off</p> <p>0~100</p>
	Rotate “ ○/↔/MENU ” knob to select Reset and press Confirm , back to original setting.
	Copy the update data to the USB flash drive, then connecting USB port via USB adapter cable (USB-female to mini-USB), press the “ ○/↔/MENU ” knob to confirm. After the upgrade, monitor will automatically restart.

9. Parameters

Panel Size	10.1" Inch
Aspect Ratio	16:10
Resolution	1920×1200 pixels
Dot pitch	0.113(H)×0.113 (W) mm
Brightness	400cd/m ²
Contrast	800:1
Viewing Angle	85°/85°(L/R) 85°/85°(U/D)
Backlight	LED
Input	3G-SDI (Optional), HDMI, YPbPr, VIDEO, AUDIO (L/R)
Output	3G-SDI (Optional), HDMI, YPbPr, VIDEO
Audio	Stereo Headphone; Speaker (built-in)
TALLY	RS232 D-sub 9pin
SDI Format	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 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 (30/29.97/25/24/23.98Hz) 4096×2160p (24Hz)
YPbPr Format	480i / 576i / 576p, 720p (60/50), 1080i (60/50)
CVBS (Video)	NTSC 480i; PAL 576i
Input Voltage	DC 7~24V
Power Consumption	≤ 17W

Unit Size	258L×192H×39D (mm)
Unit Weight	810g
Install Way	1/4 inch standard bracket mounting screw holes in left, right and bottom of the monitor
Working Temperature	-20~55°C
Storage Temperature	-30~65°C

10. Trouble Shooting

If there is any problem when using the unit, please try following ways to inspect and solve. Please contact us if you still could not solve it or have other problems.

• Without image display	Fault cause and solve
◆ Video cable off or connect incorrectly	Check the quality of the cable, make sure the correct input interface
◆ Without video signal input	Check the signal source and output interface connect is correct or not
◆ Monitor is not be powered on	Check whether the power is connected, put the power switch to "on" position
◆ Supply voltage instability	The power adapter or battery is poor connected with battery plate
◆ The power use is self-made, polarity connect inversely	Check " Power Supply " reconnect

• Image/color display abnormal	Fault cause and solve
◆ Video cable poor contact	Change video cable, try again

◆ YPbPr input interface input the wrong signals.	Check the signal input interface to make sure it is the right signal.
◆ Video signal interfered from external environment	Move to another environment to try again
◆ Menu color saturation adjustment closing	Enter menu to check color, or reset to factory settings
◆ Check Field in monochrome or gray	Reset Check Field back to the color
◆ Image deformation	Reset the ratio

• Speaker without sound	Fault cause and solve
◆ Volume adjustment was closed	Reset the volume control and adjust to a proper position
◆ HDMI cable poor connected	Check the quality of cable, or change cable have a try
◆ Video without sound output	A normal phenomenon. Because in the recording process, in order to avoid the sound from field monitor and a voice of scene harassing together when recorded, so the camera itself is no sound output. Only when it is playback, it has a sound output.

■ **Remark:**

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 the specification without prior notice.