

# HD Color LCD Monitor

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7" High Resolution On-Camera Field, Director Professional Monitor



# User manual

**Dear users:**

Thank you for purchasing our On-Camera Field HD Monitor Kit. This monitor employs professional digital signal processing circuit and TFT LCD screen. The monitor with high brightness, low power consumption, steady function, No radiation, strong compatibility and adjustable color temperature control. Advanced features include Screen marker, CAMERA mode, Image magnification, Image flip and Monochrome mode, which is an ideal portable viewfinder camera kit.

This monitor is not only with high definition multimedia interface HDMI, Component Ypbpr, Composite Video, Audio signal inputs, but also with HDMI, Composite Video signal outputs to meet customers' needs.

**Product Advanced Features:**

- ◆ Peaking Filter (Peaking Focus Assist)
- ◆ Canon 5D Mark II Camera Mode(Full Screen Display, NO delay)
- ◆ Image magnification/scaling, image flip function
- ◆ Picture in picture(PIP)function
- ◆ Line field blanking
- ◆ Brightness histogram
- ◆ Front earphone hole
- ◆ Monochrome display: color, black, red, green, blue, closed
- ◆ Screen ratio: 4:3 full screen
- ◆ Scan mode: standard, underscan, overscan
- ◆ Screen marker: off, 96%, 93%, 90%, 85%
- ◆ Display pixel and the pixel point to point display
- ◆ Panel button function custom setting
- ◆ The current picture still, capture function
- ◆ LED backlight, Image display brighter ,screen does not flicker

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

## **CAUTION**

1. Please use the adapter attached in the accessory.
2. Do not expose this product to direct sunlight, heat or humid conditions
3. Keep away from strong light while using this product so as to obtain the clearest and the most colorful picture.
4. Please avoid heavy impact or drop on the ground.
5. Do not use chemical solutions to clean this unit. Please simply wipe with a clean soft cloth to keep the brightness of the surface.
6. Without adjustable component in the unit, please do not take apart or repair the unit by yourself, to avoid damage the product.

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
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# 1. Product description

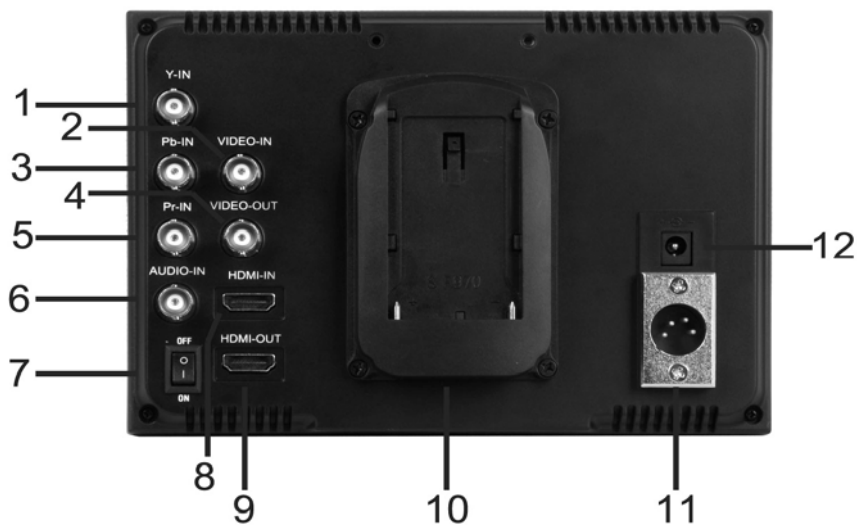
## 1.1 Front panel view



1. **Power Indicator Light:** Light turns red when standby, green when working
2. **F4:** Custom button, can select(Screen marker, monochrome display, point to point, peaking focus assist, false colors filter, exposure, brightness histogram, scanning mode, center marker, segmentation ) one of them as definition function
3. **HDMI:** HDMI HD signal input selection button
4. **F3:** Custom button, see F4
5. **YPbPr:** YPbPr Color difference signal input selection button
6. **F2:** Custom button, see F4
7. **VIDEO:** Composite video signal input selection button
8. **F1:** Custom button, see F4
9. **4:3/16:9:** Screen ration 4: 3/16: 9 selection button
10. **▶:** Volume up, in OSD menu for right adjustment, function confirm or increase the value of analog on the menu
11. **CAMERA:** Camera mode
12. **◀:** Volume down, in OSD menu for left adjustment, function confirm or decrease the value of analog on the menu

13. **MENU**: To activate or close OSD (on-screen display) menu
14. **▲** : Up adjustment button, menu item selection button
15. **▼** : Down adjustment button, menu item selection button, press the button directly, which enables the movable picture still in the picture.
16. : Earphone insert
17. Display screen

## 1.2 Rear panel view



1. **Y-IN**: Y signal input
2. **VIDEO-IN**: Video signal input
3. **Pb-IN**: Pb signal input
4. **VIDEO-OUT**: Video signal output
5. **Pr-IN**: Pr signal input
6. **AUDIO-IN**: Audio signal input
7. Power ON/OFF Switch
8. **HDMI-IN**: HDMI(High Definition Multimedia Interface) signal input
9. **HDMI-OUT**: HDMI(High Definition Multimedia Interface)signal output(Optional)
10. **Battery Plate slot**:(According to the users' requirements

selection)-see attached instruction

11. 4-pin XLR DC power input
12. DC power input interface

### 1.3 Bottom view



There are 1/4 Thread Mounting holes in the monitor, they are not only for fix hot shoe mount, magic arm, but also convenient for customers' install sun shade

### 1.4 Battery plates



**F970**



**LP-E6**



**D28**



**Panasonic Anton Bauer**



**Sony V-Mount Plate**

According to the different requirements of battery for the customers, attached different battery plate slots. NO requirements, the factory defaults assembly F970 battery plate.

**1.4.1 Sony F970 battery slot for battery of Sony DV:**

Sony F970 F960 F950 T930 F770 T750 F730 F570 F550 F530 QM91D OM91 QM90D QM90 QM71D QM71 QM70D QM70 QM51D QM51 FM71 FM70 series

**1.4.2 Canon LP-E6 battery slot for battery of Canon DV**

Canon LP-06

**1.4.3 Panasonic D28 battery slot for battery of Panasonic DV**

Panasonic D55 D54S D54SE D40 D35 D33 D32 D28 D25 D22 series

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

**1.4.5 Panasonic Anton Bauer battery Plate**

**1.5 Picture: Three types of batteries corresponding to the upper three slots**



**F970**



**LP-E6**



**D28**

**Remark:** Different specifications of the battery, capability is different.

The working time for the monitor will be different. Higher capability (working time) will be longer.

## 1.6 Power input way

**There are some ways to supply the power of the monitor.**

**1.6.1.** The power supply by the adapter. 12V/1.0A is optional DC voltage changer, insert DC power input interface directly. It can be choosed qualified adapter which current with output voltage DC 6~24V, output capacity >10W by customers

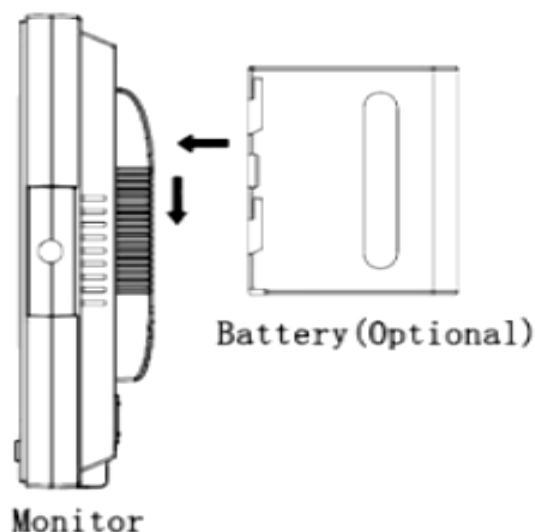
Please note that the polarity of power input is inner POSITIVE, outer NEGATIVE. Otherwise will damage the product. (see attached image)



Please use the adapter attached in the accessories. If necessary to use other specifications adapter, please note to provide the qualified adapter which power supply should be not less than 10W (DC6V-15V)

**1.6.2.** Another option of power source is using batteries. The product back case including battery slot is available for three types of batteries. Customers can choose different battery slots according to their needs.

- **Battery install way as below picture**



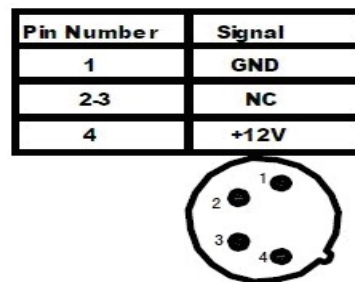


**Suggestion: Better remove the battery for long-term NO use this product.** Different specifications of the battery, capability is different. The working time for the monitor will be different. Higher capability (working time) will be longer.

**Without design charging circuit for the monitor, please remove the battery to the battery charger for charge.**

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

**1.6.3** This product also can be by 4-Pin XLD interface to use the power supplied from camera.



## 1.7 Sun shade installation and remove

**1.7.1 Installation:** Positive parallel alignment of the sun shade and monitor, the projection of the sun shade hanging claw at the monitor sun shade slot (see the monitor front view marked 1), pay attention to the position should be aligned around inserted balanced slide down.

- **Picture**



**1.7.2 Remove:** When you want to shade cover is removed from the

monitor, hands were clenched monitor and the sun shade, drag up shade cover from monitor, that separates the sun shade from the monitor.

- picture



### 1.7.3 Sun shade cover open/close steps:

Please follow steps, otherwise will damage the cover, please do not press the L/R panel of the sun shade, if not, unable open the cover.

- Sun shade cover open (please follow steps)



- Sun shade cover close(follow steps)



## 2. Button operating instruction

**HDMI** → High definition multimedia digital signal input selection

**Ypbpr** → Color difference component interface video signal input selection

**VIDEO** → Composite video signal input selection

**4:3/16:9** → Screen ratio 4:3/16:9 full screen selection button

**CAMERA** → Canon 5D Mark II mode. Use 5D2 or 550D, open CAMERA, full screen display, from the viewfinder to recording when there is no time difference, image NO deform, NO black, NO delay, perfect without distortion

**F1** → Custom button, according to the users' favorite, operating habits, choose below (Screen marker, monochrome display, point to point, peaking focus assist, false colors filter, exposure, brightness histogram, scanning mode, center marker, segmentation) setting one of the button as definition function, enter the menu system to setting.

**F2** → Custom button, see F1 instruction

**F3** → Custom button, see F1 instruction

**F4** → Custom button, see F1 instruction

**MENU:** → Menu button

**▲** → Enter menu operation for menu option and submenu up selection





**▼** → **Image still and menu operation down selection button.**  
No enter menu operation, press this button directly enables

the movable picture still in the picture. Enter menu operation as menu option and submenu down selection


- ◀ → Volume up, in OSD menu for right adjustment, function confirm or increase the value of analog on the menu
- ▶ → Volume down, in OSD menu for left adjustment, function confirm or decrease the value of analog on the menu

### 3. Menu function introduction

If in the operating status, press button "**MENU**", then enter into OSD mode.

Press the unit button "▲" or "▼" to select the options which you need:   
(display result)  (sound)  (system setting)  (scan position adjust),  
after select the button you need, press "◀" or "▶" on the unit to confirm, if need to exit OSD menu, repress button "**MENU**".

- **Display result setting**  (this setting has 2 pages menu)

Press "**MENU**" key, pop up OSD menu as below, "▲" or "▼" to select , press "◀" or "▶" to confirm, press "▲" or "▼" to select the adjustment, then use "◀" or "▶" to adjust or select the adjustment. Press "**MENU**" to exit.

- ◆ **Menu page 1 picture**



**Contrast** : To adjust the brightest and darkest ratio of the image

**Brightness:** To adjust the image's brightness

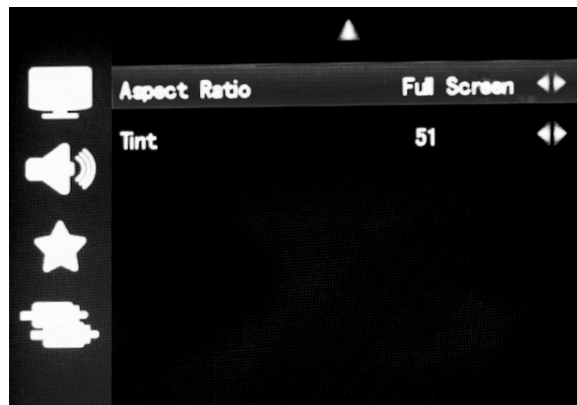
**Saturation:** To adjust the saturation

**Sharpness:** To adjust the depth to the image

**Color Temp:** Use the adjustment the color temperature can be pre-set(user, 6500K, 7300K, 9300K)

**Picture Mode:** The image of brightness, softness, user(contrast, brightness, color settings) effect settings








◆ **Menu page 2 picture**

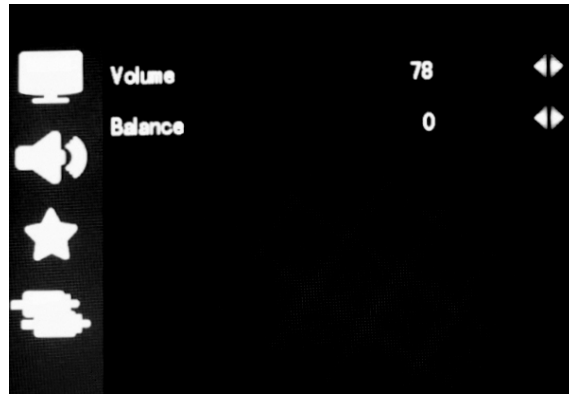


**Aspect Ratio:** To choose the aspect ratio, 16:9/4:3

**Tint:** In the composite video mode, adjust NTSC color signal, the other modes are not valid

● **Sound setting** 


Press "**MENU**" key, pop up OSD menu as below, "", press " " or " " to confirm, press " " or " " to select the adjustment, then use " " or " " to adjust or select the adjustment. Press "**MENU**" to exit.



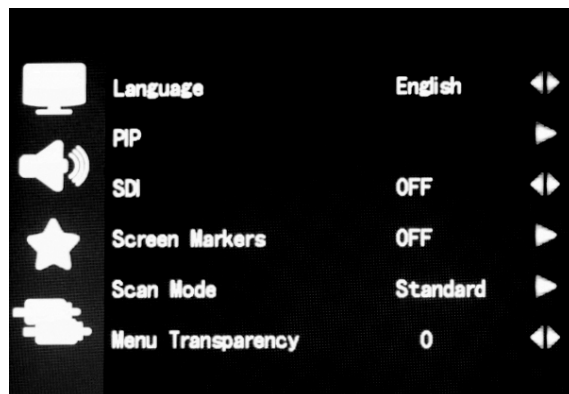
**Volume:** To adjust the volume

**Balance:** To adjust 2-channel(L&R)

• **System setting**  (this setting has 3 pages menu)

Press "**MENU**" key, pop up OSD menu as below, "▲" or "▼" to select , press "◀" or "▶" to confirm, press "▲" or "▼" to select the adjustment, then use "◀" or "▶" to adjust or select the adjustment. Press "**MENU**" to exit.

◆ **Menu page 1 picture**



**Language:** Chinese, English

**PIP:** To display two input signal picture at the same time, can adjust picture position, size, picture interchange, double picture, picture out picture mode

**SDI:** HD SDI switch option(for with SDI input port modes, other modes select close)

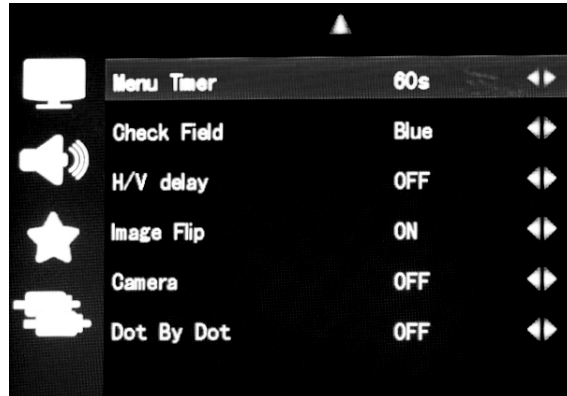
**Screen Marker :** Picture framing marker selection frame(off,96%,

93%, 90%, 85%)

**Scan Mode:** To deal with special image(standard, overscan, underscan)

**Menu Transparency:** To select the OSD display effect

◆ **Menu page 2 picture**



**Menu Timer:** To control the automatic disappearance time after menu pop up

**Check Field:** On the color saturation of images all closed function makes it a monochrome image

**H/V Delay:** The image U/D, L/R flip

**Image Flip:** A line field blanking part optional switch

**Camera:** Canon 5D II or similar camera when shooting, image NO deformation, NO black, NO delay, perfect without distortion

**Dot By Dot:** In the video, the point to point display. Observing the image more clearly

◆ **Menu page 3 picture**



**F1:** The corresponding panel button F1 custom button function

definition of choice setting(Screen marker, monochrome display, point to point, peaking focus assist, false colors filter, exposure, brightness histogram, scanning mode, center marker, segmentation).The user can enter submenu select one item, press the "MENU" is identified as the button function.

**F2:** The corresponding panel button F2 custom button function definition of choice setting


**F3:** The corresponding panel button F3 custom button function definition of choice setting

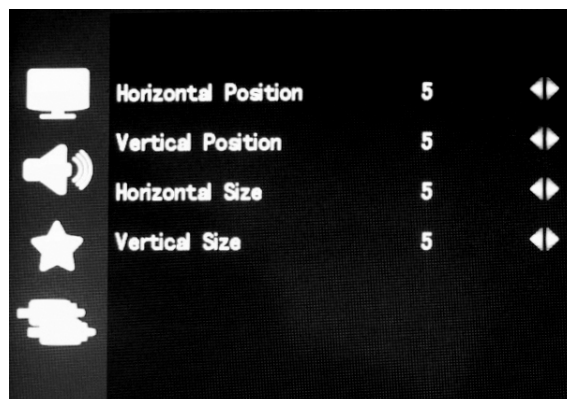
**F4:** The corresponding panel button F4 custom button function definition of choice setting

**Reset:** On system parameters and settings recover factory settings

**Ver 1.0:** Program version serial number

### ● Scan adjust

Press "MENU" key, pop up OSD menu as below, "▲" or "▼" to select , press "◀" or "▶" to confirm, press "▲" or "▼" to select the adjustment, then use "◀" or "▶" to adjust or select the adjustment. Press "MENU" to exit.



**Horizontal Position:** To adjust the image display(L/R)

**Vertical Position:** To adjust the image display(U/D)

**Horizontal Size:** To adjust the image L/R stretch

**Vertical Size:** To adjust the image U/D stretch



## 4. Signal format form

Signal format form	
Video signal	Support signal format
Composite video	PAL/NTSC auto recognize
Component( Y/Pb/Pr)	1080/ 50i/ 60i/ 50p/ 60p; 720/ 50p, 720/ 60p ; 480i、480p; 576i、576p;
HDMI	1080/ 24i/ 24p/ 25i/25p/ / 30i /30p/ 50i/ 50p/ 60i/ 60p; 720/ 50p, 720/ 60p ; 480i、480p; 576i、576p;

## 5. Accessories

### 5.1 Standard

HDMI cable (HDMI to Mini HDMI)	1 pcs
Sun Shade	1 pcs
Hot shoe mount	1 pcs
User manual	1 pcs
F970 battery plate(according to customers' needs, see battery plate instruction)	1 pcs



**HDMI cable**



**Hot shoe mount**



**Sun Shade**



**User manual**



**F970 battery plate**

## 5.2 Optional

Battery	1pcs
BNC to RCA connector	6pcs
BNC cable	6pcs
Power adapter DC12V	1pcs
Canon LP-E6 battery plate	1pcs
Panasonic D28 series battery plate	1pcs
Sony V-mount battery plate	1pcs
Panasonic Anton Bauer battery plate	1pcs



**Power adapter**

( Optional )



**BNC to RCA  
connector**

( Optional )



**BNC cable**

( Optional )



**Battery**

( Optional )



**LP-E6  
battery plate**  
( Optional )



**D28  
battery plate**  
( Optional )



**Panasonic anton  
battery plate**  
( Optional )



**Sony V-mount  
battery plate**  
( Optional )

## 6. Parameters

Panel size	7 " TFT LCD
Pixel	1024 ( H ) × 600 ( V ) pixels
Dot pitch	0.05 ( H ) × 0.15 ( V ) mm
Brightness	250 cd/m <sup>2</sup>
Contrast ratio	700:1
Response time	10 ms
Viewing angle	150°(L/R) / 145°(U/D)
Display ratio	16:9 / 4:3 (adjustable )
Backlight	LED
Input voltage	DC 7 ~ 18 V
Input signal	HDMI, Component Ypbpr, Composite Video, Audio
Output signal	Composite Video, Audio earphone monitoring , HDMI (option)
Power consumption	≤ 10.0 W
Working temperature	− 10 ~ 55℃
Storage temperature	− 20 ~ 65℃
Unit size (mm)	189 L × 134 W × 49 H (with battery plate F970)
Unit weight	520 g(with battery plate F970)

## 7. Trouble shooting

If there is any problem using the unit. You can try follow ways to inspect and solve

• **Without image display** **Trouble shooting**

◆ 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 the power whether 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	Reference "Power input way" reconnect

• **Image/color display abnormal** **Trouble shooting**

◆ Video cable poor contact	Change video cable, try again
◆ Video signal interfered from external environment	Move to another environment to try again
◆ Video input signal amplitude too low	Check signal source video output, or change signal source have a try.
◆ Menu color saturation adjustment closing	Enter menu check color, or reset to factory settings
◆ B/W set in monochrome or black & white	Press the B/W button, back to the color
◆ Image deformation	Reset the ratio

- **Speaker without sound**

**Trouble shooting**

◆ Audio cable off or connect improperly	Confirm connected with the corresponding input end
◆ Volume adjustment was closed	Reset the volume control is adjusted to a proper position
◆ HDMI cable poor connected	Check the quality of cable, or change cable have a try
◆ No sound after switch video signal	This monitor with audio signal only in audio input and HDMI

■ **Remark:**

If there are still other problems, please contact with our related deals

\*If there are changes without prior notice.