

# Photography HD-SDI(3G) LCD Monitor

## Operation Manual



Dear users:

Thank you for purchasing our Photography HD-SDI LCD Monitor Kit.

This 7" HD-SDI LCD Monitor is designed to be used as an external video display, allowing you to step back from the camera while still being able to frame and capture the action without having to look through the camera's built-in viewfinder. This product employs advanced integrated circuits 3D decoding and high quality TFT LCD modules. This product is shaped with modern style and is easy to be carried with, including SDI, HDMI, Component, Composite Video, Audio inputs, SDI, Component, Composite Video, Audio output. Its high brightness, low power consumption and low cost make it ideal for any DV and HD video camera. The monitors have image orientation controls where the picture can be flipped for DOF (depth-of-field) adapters, the best partner for photography.

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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● **Front panel view**



- |   |   |
|---|---|
| 1.Tally(instruction light)                      | 7.Down adjust button/ image pause button(SD signal) |
| 2.Nut installation & fixed                      | 8.Up adjust button/ image magnify button            |
| 3.Speaker                                       | 9.Menu button                                       |
| 4.Power instruction light                       | 10.Input signal switch button                       |
| 5.Right adjust button/simulation magnify button | 11.4:3/16:9 switch button                           |
| 6.Left adjust button/simulation reduce button   | 12.Earphone jack(Audio output)                      |





## ● Rear input view



- 1.Power input interface
- 2.TALLY signal input
- 3.Power switch
- 4.Battery pinboard
- 5.HDMI input

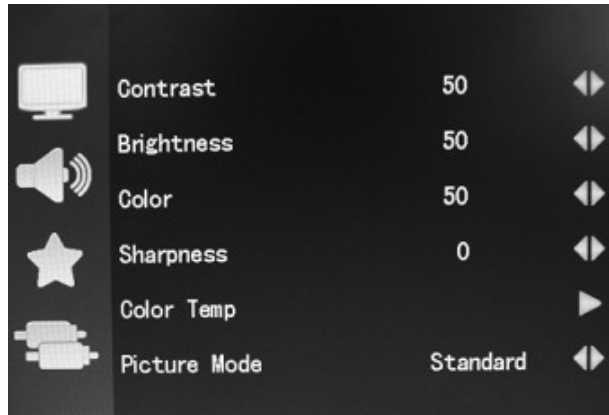
- 6.7.8. Ypbpr input/output
- 9.Composite video input/output
- 10.Audio input(stereo-2 -channel)
- 11.SDI input/output

## ● Key button operation instructions

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)  (voice)  (system setting)  (scan position adjust), after select the button you need, press “◀” or “▶” on the unit to confirm, then press “◀” or “▶” button to adjust. If need to exit OSD menu, repress button “**MENU**”.

- **Menu function introduction**

- **Image Settings & Adjustments**



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

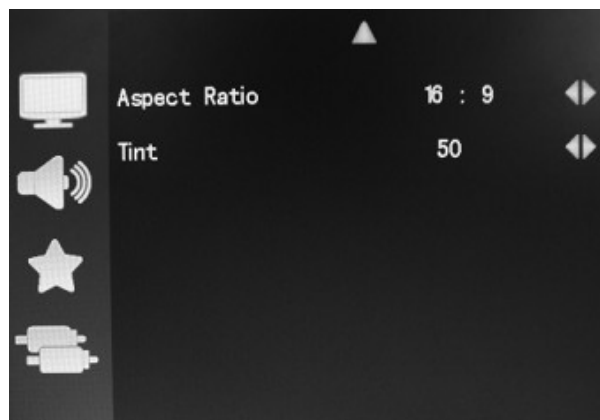
Brightness: To adjust the image's brightness

Color: To adjust the saturation

Sharpness: To adjust the depth to the image

Color temperature: To adjust the RED, GREEN, BLUE of the color

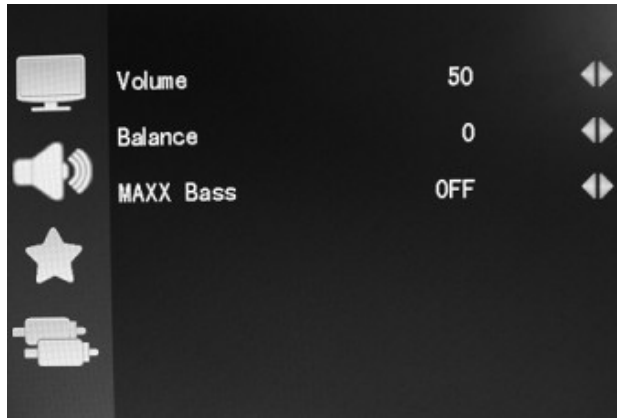
Picture mode: To set brightness, softness, user to the image effect(under the color temperature)



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

## • .Voice setting

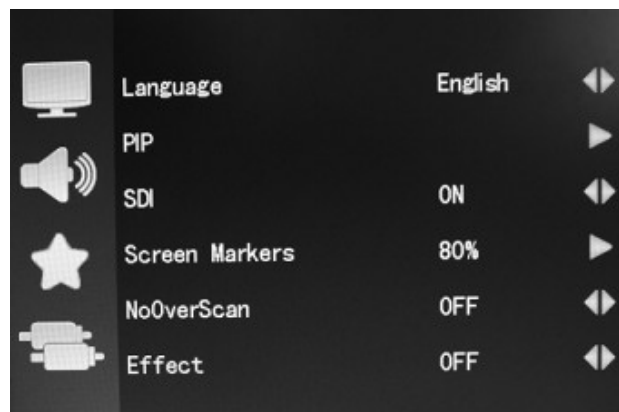


Volume: To adjust the volume

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

MAXX Bass: To adjust treble and bass

## .System setting



Language: Chinese, English

PIP: To display two input signal picture at the same time, adjust position, size and mode

SDI: HD SDI switch optional

**Screen Markers: Screen markers switch option**

**No Over Scan** : To deal with special image

OSD Effect: To select the OSD display effect



OSD transparency: To adjust transparency of the OSD

OSD time display: To control the automatic disappearance time after OSD pop up

Black and White: To fully close the image color saturation

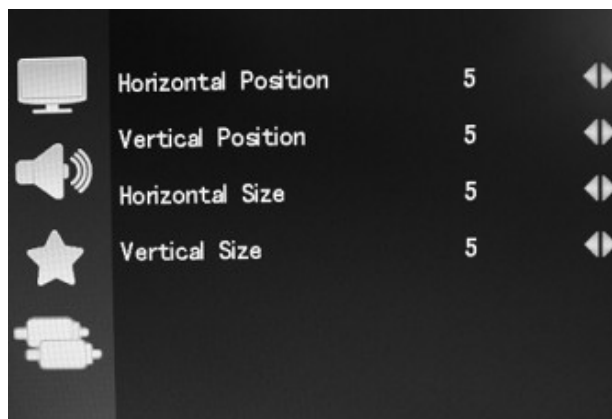
HV Delay: The optional switch for HV delay.

Reset: Reset the parameters and factory reset, enter into reset menu press **▶**,

then appear “confirm”, “cancel” options, press **◀** to confirm, last press

MODE to reset

### **.Scan(HV)adjustment**



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

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

H Size: To adjust the image L/R stretch

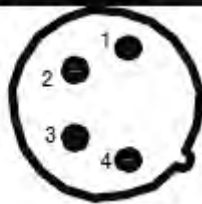
V Size: To adjust the image U/D stretch

- **Signal Mode**

Item	Signal Mode
Composite Video	PAL/NTSC Auto-ID
Component (Y/Pb/Pr)	1080/50i/60i/50p/60p; 720/50p, 720/60p; 480i、480p; 576i、576p
HDMI	1080/24p/24psf/25p/30p/50i/60i/50p/60p; 720/50p, 720/60p; 480i、480p; 576i、576p
SDI(optional)	1080/24p/24psf/25p/30p/50i/60i/50p/60p; 720/50p, 720/60p; 480i、480p; 576i、576p
DVI	Connect camera special channel to avoid screen black

- **Power input mode**

Pin Number	Signal
1	GND
2-3	NC
4	+12V



\*Please use AC/CD adapter attached

\*When you use self-provided power supply, please reference above form to connect electrical plug

### **Battery Plate:**

#### **1. Sony V Mount Battery Plate**





## 2. Panasonic Anton Battery Plate(optional)



## 3. DV Battery Plate(optional)

**Sony: F550/F570/F750/F770/F960/F970**

**Panasonic: D16S/D28S/D54S**

**Canon: BP930**



- **TALLY use and connect**



## TALLY KIT

### TALLY use and connect

Tally kit connect should reference above diagram

1. With power connect: Connect GND and G in short circuit grounding access 0-5V voltage  
When voltage is 0.3-2.7V, Tally green light normally on  
When voltage is 2.8-5.5V, Tally red light flash.
2. Without power connect: Short circuit GND , R+ , G, Tally red light flash.

\* Please notice connect

● **Parameter**

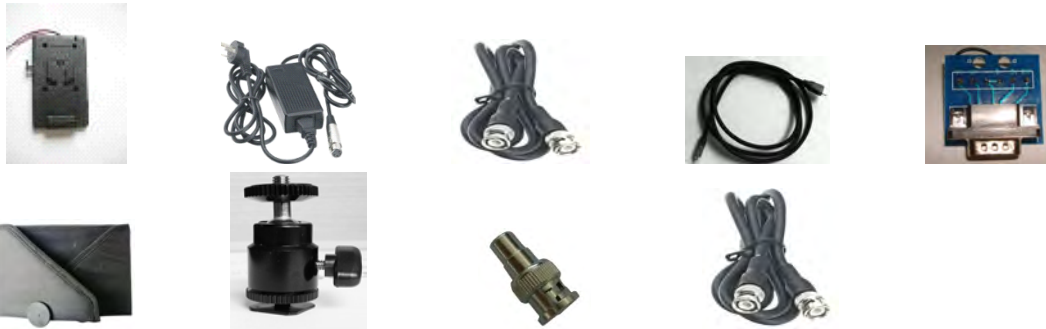
<b>Parameter</b>		
<b>Parameter</b>	<b>Model 1</b>	<b>Model 2</b>
Display panel	TFT LCD 7.0inch	TFT LCD 7.0inch
Pixels	800(H) × 480(V)	1024(H) × 600(V)
Brightness	450 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>
Contrast	500:1	700:1
Viewing angle	70° /70° (L/R) , 50°/70°(U/D)	75° /75° (L/R) , 70°/75°(U/D)
Dot pitch	0.0635 (W) ×0.1905 (H) mm	0.05 (W) ×0.15 (H) mm
Response time	10 ms	
Aspect ratio	16:9/4:3(adjustable)	
Backlight	LED	
Input voltage	DC7V-24V±10%	
Input signal	3G-SDI,HD-SDI, SD-SDI, HDMI,COMPONENT,VIDEO,AUDIO	
Output signal	3G-SDI,HD-SDI, SD-SDI,COMPONENT,VIDEO,AUDIO	
Unique function	TALLY, Image Multiplication, Image Freeze	
Power consumption	≤10W	
Store temperature	-15℃~65℃	
Unit size	205L × 145W × 51H(mm)	
Unit weight	700g	

**SDI Support Mode**

NO.	Resolution	Mode	Signal	Remark
1	1080P@60HZ/59.94HZ	3G		
2	1080P@50HZ	3G		
3	1080I@60HZ/59.94HZ	HD		
4	1080I@50HZ	HD		
5	1080P@30HZ/29.97HZ	HD		
6	1080P@25HZ	HD		
7	1080P@24HZ	HD		

8	720P@60HZ/59.94HZ	HD		
9	720P@50HZ	HD		
10	720P@30HZ/29.97HZ	HD		
11	720P@25HZ	HD		
12	720P@24HZ/23.97HZ	HD		
13	480I@60HZ/59.94HZ	SD		
14	576I@50HZ	SD		
15	PAL	SD		
16	NTSC	SD		

## ● Accessories



- |   |      |
|---|------|
| 1. Sony V Mount Battery Plate                           | 1pcs |
| 2. Home AC Adapter                                      | 1pcs |
| 3. BNC Cable  | 1pcs |
| 4. HDMI to Mini HDMI Cable(optional HDMI to HDMI Cable) | 1pcs |
| 5. TALLY Connect Kit                                    | 1pcs |
| 6. Sun Shade  | 1pcs |
| 7. Hot Shoe-Mount                                       | 1pcs |
| 8. BNC to RCA Adapter                                   | 3pcs |
| 9. SDI Cable  | 2pcs |
| 10. Panasonic Anton Battery Plate(optional)             |      |
| 11. Sony DV Battery Plate:(optional)                    |      |
| 12. Panasonic DV Battery Plate(optional)                |      |
| 13. Canon DV Battery Plate(optional)                    |      |

## ● **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 output interface connect is correct or not
.LCD monitor is not be powered on	Put the back power switch to “.”position
.Input format haven't been selected	Reference input format instructions
.Use battery supply power, power use out	Change battery
.The cable use is self-made, polarity connect inversely	Reference the power connect instructions.correct connect

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	Measure video signal amplitude whether low to...
.Power supply voltage unsteady	Perhaps the battery and pinboard poor contact
.Saturation and lightness adjustment overly	Recover to the factory setting
.Image deformation	Reset the ratio

Speaker without voice	Trouble shooting
.Audio cable connect improperly	Check output interface connect correct or not
.Volume of voice adjust to mix	Readjust in place
.Without voice after switch video signal	Only an audio signal output

### ■ **Remark:**

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

\*If there are changes without prior notice.