HD 3G/HD-SDI Monitor

12.1" high resolution monitor

User manual

Dear users:

Thank you for purchasing our Photography HD-SDI LCD Monitor Kit. This product employs advanced integrate circuits and high quality TFT LED modules. It's high brightness, low power consumption stable performance and emits no radiation advantages, which make it ideal for any DV and HD video camera.

This monitor has various installation ways, and can be equipped with folding bracket to use as a desktop monitor, the monitor on the back is reserved for VESA (100 * 100mm; 75 * 75mm) mounting hole, on the side of the four directions left 1/4 inches screw holes, customers can install various styles of mounting bracket according to their needs.

This monitor is not only with SDI（Can choose）, HDMI, COMPONENT (YPbPr), Composite Video, Audio signals input, and also has SDI（Can choose）, COMPONENT (YPbPr), Composite Video, Audio signals output port. To meet different user needs.

Product feature:

◆ **Peaking focus assist(peaking filter)**

◆ **Canon 5D MarkII mode （CAMERA）**

◆ **Image magnification/scaling, image flip function**

◆ **Picture in picuter(PIP)function**

◆ **Line field blanking**

◆ **Tally indicator**

◆ **Front earphone hole**

◆ **Monochrome display: color, black, red, green, blue, closed**

◆ **Screen ratio:panorama, real mode, 4:3, full screen, scaling1, scaling 2**

◆ **Scan mode: standard, under scan, over scan**

◆ **Screen marker: off, 96%, 93%, 90%, 85%**

◆ **Display pixel and the pixel point to point**

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

C A U T I O N

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.

CONTENTS

1. Front panel view

1. **Power indicator light**

2. **►** ：Volume up adjust, in OSD menu for confirm and value increase

3. **◄** ：Volume down adjust, in OSD menu for confirm and value decrease

4. **II/▼**：Image pause key, in OSD menu for adjust selection key (down)

5. **⊕/▲**： Image magnification key, in OSD menu for adjust selection key(up)

6. **MENU**: Menu key

7. **B / W**： Image color, black and white, Monochrome (red, green, blue) switch key

8. **16:9/4:3**: Image proportion adjustment key

9. **CAMERA**：Photography model confirm key

10. **SCALE**: Peaking focus assist confirm key

11. **MODE**： Input signal selection key

12. **⌒:** Earphone jack(audio output)

13. **TALLY** (indicator)

2. Rear panel view

● Rear panel instruction

1、 HDMI HD signal input

2、4、6、 Component Ypbpr input

3、5、7、 Component Ypbpr output

8、 Composite video input

9、 Composite video output

10、11、 Audio input (Left and right double channel)

12、 3G-SDI input （Can choose）

13、 3G-SDI output（Can choose）

14、 Power DC12V input

15、 Power switch

16、 Tally signal input

17、 Battery plate

3. Key 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) 🔊 (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** ".

4. Menu function introduction

● **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, With " ⊕/▲ " or" ‖/▼ "button to choose adjustment project，then use " ◀ " or " ▶ " to adjust or select the adjustment. Press" **MENU** " to exit.

◆ **Menu page 1 picture**

🖵	Contrast	62	◀▶
🔊	Brightness	53	◀▶
	Saturation	75	◀▶
⭐	Sharpness	0	◀▶
	Color Temp		▶
🎞	Picture Mode	User	◀▶
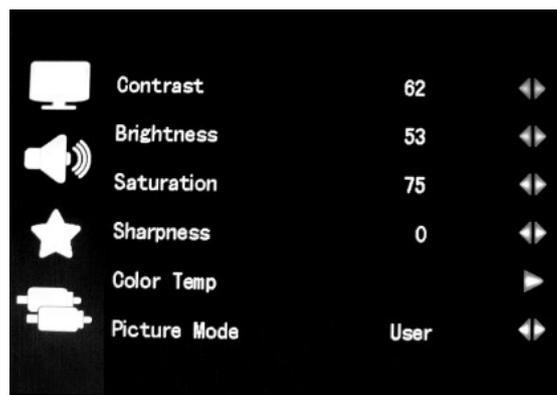
Contrast: To adjust the brightest and darkest ratio of the image

Brightness: To adjust the image's brightness

Saturation : To adjust the saturation

Sharpness: To adjust the depth to the image

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

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

◆ **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," ⊕/▲ " or "‖/▼"to select , press "◀ " or " ▶ " to confirm, With " ⊕/▲ " or"‖/▼ "button to choose adjustment project，then use "◀ " or "▶" to adjust or select the adjustment. Press"MENU" to exit.
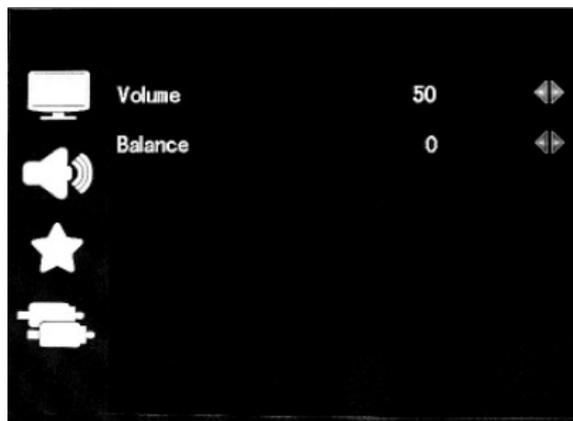
Volume: To adjust the volume

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 "Ⅱ/▼" to select , press "◀ " or " ▶ " to confirm, With " ⊕▲ " or"Ⅱ/▼ "button to choose adjustment project，then use "◀ " or "▶ " to adjust or select the adjustment. Press"**MENU**" to exit.

◆ **Menu page 1 picture**

Language	English	◀▶
PIP		▶
SDI	OFF	◀▶
Screen Markers	OFF	▶
Scan Mode	Standard	▶
Effect	OFF	◀▶
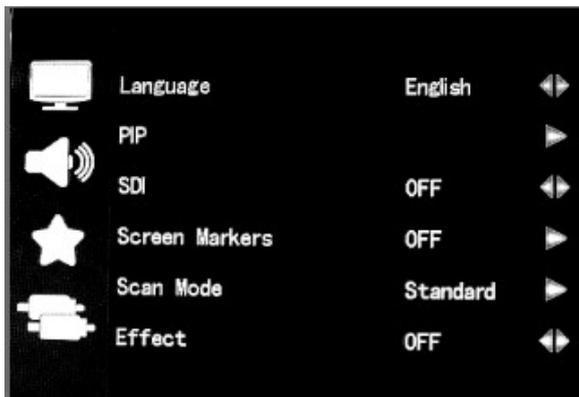
Language: Chinese, English

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

SDI: HD SDI switch optional

Sreen markers: Picture framing marker selection frame

Scan mode: To deal with special image

Effect: To select the OSD display effect

◆ **Menu page 2 picture**

Menu Transparency	1	◀▶
Menu Timer	60s	◀▶
Check Field	OFF	◀▶
H/V delay	OFF	◀▶
Image Flip	OFF	◀▶
Camera	OFF	◀▶
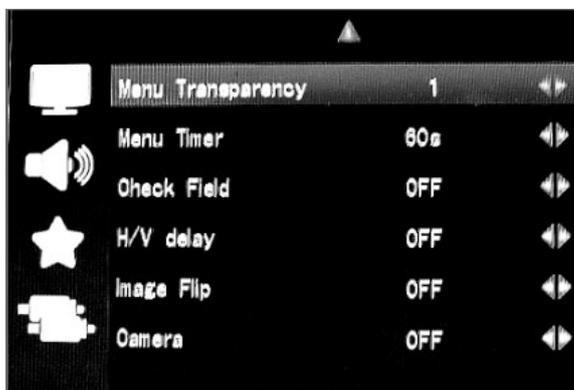
Menu Transparency: To adjust transparence of the OSD

Menu timer : To control the automatic disappearance time after OSD 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 is not deformation, not black, without delay, perfect without distortion

◆ **Menu page 2 picture**
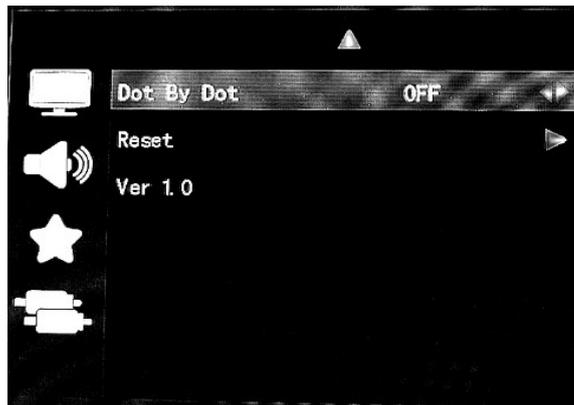
Dot By Dot: In the video, the point to point display. Observing the image more clearly

Reset: On system parameters and settings recover factory settings

● **Scan adjust**

Press "MENU" key, pop up OSD menu as below," ⊕/▲ " or " ‖/▼ " to select , press " ◀ " or " ▶ " to confirm, With " ⊕/▲ " or" ‖/▼ "button to choose adjustment project， then use " ◀ " or " ▶ " to adjust or select the adjustment. Press"MENU" to exit.
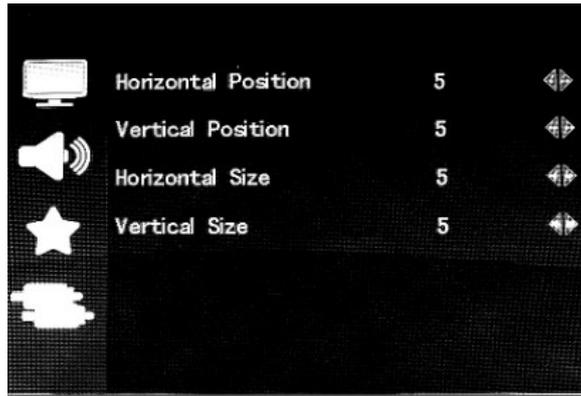
Horizontal Position: To adjust the image display(L/R)

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

5. Signal format form

Signal format form	
Video signal	Support signal format
Composite video	PAL/NTSC auto recognize
Component（Y/Pb/Pr)	1080/24p/24psf/25p/30p/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 dedicated channels to avoid the black screen

6. SDI support mode

Serial No.	Resolution	Mode	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	

7. Power input way

Pin Number	Signal
1	GND
2-3	NC
4	+12V
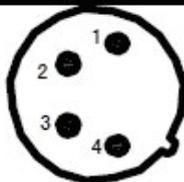
- Please use AC/CD adapter attached
- When you use self-provided power supply, please reference above form to

connect electrical plug

◆ **The monitor can also be supporting the battery plate mounted on the battery power supply**

Battery plate:

    1. Sony V Mount Battery Plate(Standard)

    2. Panasonic Anton Battery Plate(optional)

    3. DV Battery Plate(optional)

                     Sony: F550/F570/F750/F770/F960/F970
                     Panasonic: D16S/D28S/D54S
                     Canon: BP930

8. TALLY use and connect
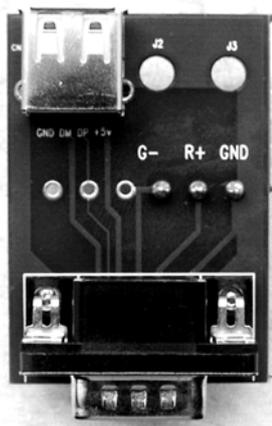
                           TALLY Kit

- **TALLY use and connect**

   The use of random TALLY kit in accordance with the icon will be from the switching station TALLY signal line connection

Connection method:

With power connect：Connect GND and G in short circuit grounding

R + and GND access 0-5 V voltage

When voltage is 0.3-2.7V, Tally green light normally on

When voltage is 2.8-5.5V, Tally red light flash.

Without power connect: Short circuit GND，R+，G, Tally red light flash.

- **Please notice connection method**

9. Accessories

Sony V mount battery plate   Power adapter   BNC   cable   TALLY kit
(for standard)
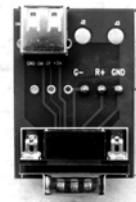
BNC to RCA Adapter   SDI cable（optional） HDMI cable   Operation manual

Sony V mount battery plate(standard)	1pc
Power adapter	1pc
BNC cable	1pc
TALLY kit	1pc
BNC to RCA adapter	3pcs
SDI cable（optional）	2pcs
HDMI cable(HDMI to Mini HDMI)	1pc
Operation manual	1pc

10. Parameters

Panel size	12.1″ TFT LCD
Pixels	1280（H）×800（V）pixels
Distance	0.204（H）×0.0.204（V）mm
Brightness	200 cd/m²
Contrast ratio	500:1
Response time	16 ms
Display ratio	16:9 / 4:3 (adjustable)
Backlight	LED
Input voltage	DC7V-12V±10%
Input signal	3G-SDI, HD-SDI, SD-SDI, （Can choose） HDMI, Component（Ypbpr）, Composite Video, Audio
Output signal	3G-SDI, HD-SDI, SD-SDI, （Can choose） Component（Ypbpr） Composite Video, Audio
Special function	TALLY，Image magnification，Image pause
Power consumption	≤ 8.5 W
Working temperature	-10℃ ~ 55℃
Storage temperature	-20℃ ~ 65℃
Size(mm)	300 L × 150 W × 70 .H (mm) Folding 300 L × 275 W ×190 H (mm) Stretch
Weight	2520g

11 .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 chage 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.