

# User Guide



## **IMPORTANT SAFETY INSTRUCTIONS:**

- Please read User Guide before using this product.
- Please keep User Guide for future reference.
- Please read the cautions to prevent possible danger and loss of property.

## **FEATURES:**

- High resolution: 1920×1080;
- Wide voltage: DC 7-24V;
- High brightness: 450cd/m<sup>2</sup>;
- High contrast: 1000:1;
- SDI and HDMI cross conversion;
- Integrated recording info. display;
- Metal housing.

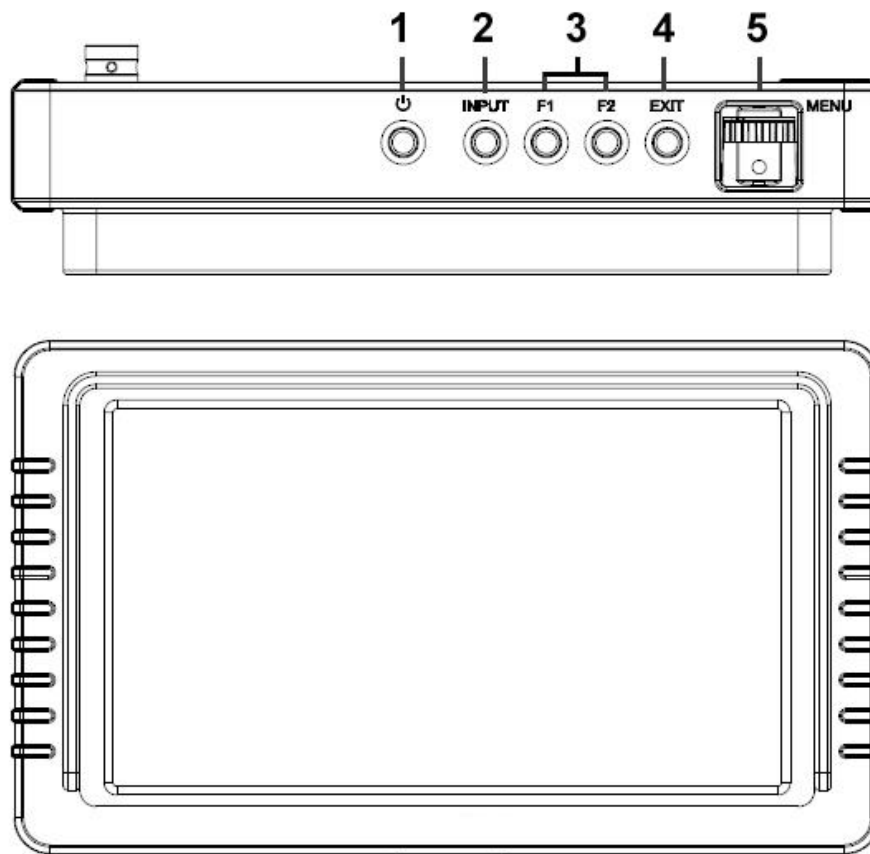
## **CAUTIONS:**

1. Please do not place the display screen towards the ground.
2. Please avoid heavy impact or drop onto the ground.
3. Please do NOT use chemical solutions to clean this product. Please wipe with a clean soft cloth to maintain the brightness of the surface.
4. Please do not block any vent hole.
5. Please follow the instructions and trouble-shootings to adjust the product. Other improper adjustment may result in damage. Any further adjustment must be performed or conducted by a qualified technician.
6. Please unplug the power and remove the battery if long-term no-use, or thunder weather.

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# 1. PRODUCT DESCRIPTION



1 . Power ON/OFF.

2 . INPUT: circularly switch among of SDI and HDMI.

3 . F1、 F2、 User-definable buttons.

**Default functions: ( function customized to meet your needs )**

**F1 Waveform          F2 Scan**

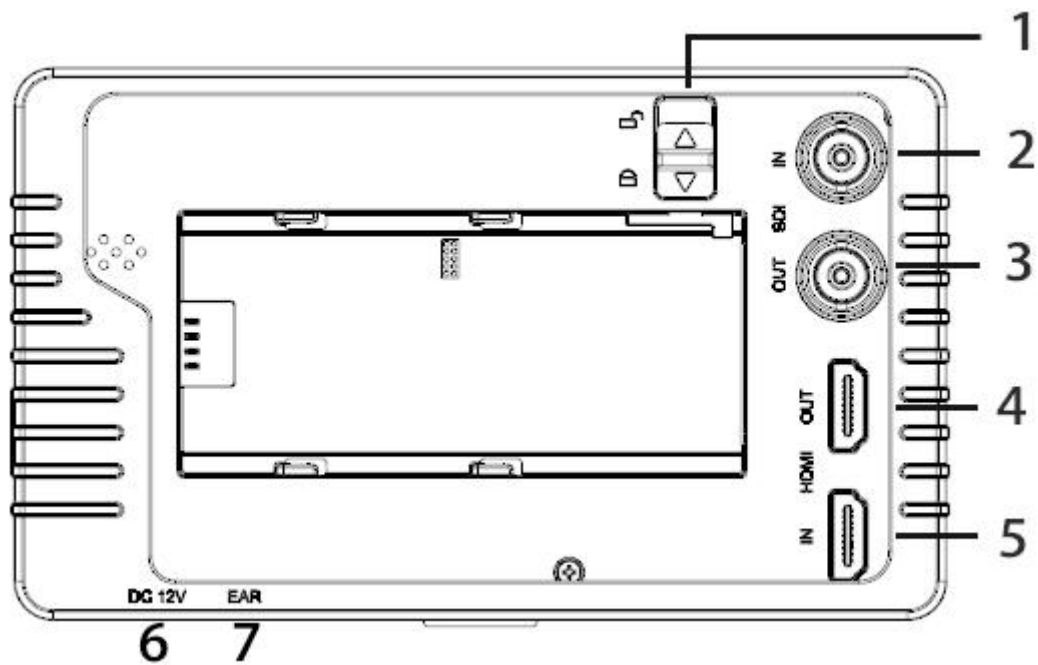
4 . EXIT

5 . MENU Dial: Turn the dial to adjust volume;

Menu function: press to activate menu displayed on screen when power on.

Option function: select option via dialing to the left or right.

Confirm function: press to confirm after option selected.



1. Battery plate switch.
2. SDI input interface.
3. SDI output interface.
4. HDMI output interface.
5. HDMI input interface.
6. DC 12V power input.
7. Earphone jack

## 2. DV BATTERY MOUNT PLATE

### Standard mounts process



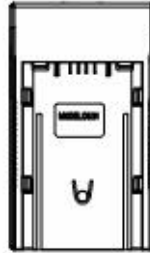
Following four types of battery plates are suitable for this device, model F970, QM91D, DU21 & LP-E6 (choose 2 out of 4).



MODEL: F-970



MODEL: QM91D



MODEL: DU21



MODEL: LP-E6

DV Battery Mount Plate:

### **DV Battery Mount Plate Specification:**

Model DU21 for battery of Panasonic DV:  
NV-GS/PV-GS/DZ-MV/GS/H28/H258/H288GK series, comply with  
Panasonic battery DU06/VBD140/SANYO DZhs301sw/Hitachi  
DZ-HS303SW/BZ-BP14S/DZ3200/BP07W.

Model QM91D for battery of SONY DV:  
DSCR1/F/S/MVCCD/E/HC15E/HC1E/AE1u/DCRTRV828/E/CCD-TRV  
116/DCR-DVD/PS105K/300K/10P/1E series.

Model F970 for battery of SONY DV:  
DCR-TRV series, DCR-TRV E series, VX2100E PD P series, GV-A700,  
GV-D800 FD/CCD-SC/TR3/FX1E/HVR-AIC, HDR-FX1000E, HVR-Z1C,  
HVR-V1C, FX7E F330.

Model LP-E6 for battery of Canon DSLR:  
5D Mark II/5D Mark III/EOS7D/EOS60D;

### 3. MENU SETTING

Before setting the functions, please make sure the device is connected correctly.

#### 3-1. Shortcut keys:

##### 3-1-1. the image menu

Dialing to the left or right when power on, brightness will appear at the bottom of the screen, then press the dial to switch among of brightness, sharpness, contrast, saturation, volume, tint, MENU and Exit. User can adjust the value of the selected option via the dial.

##### 3-1-2. F1-F2 2 user-definable function buttons:

Long press any F1-F2 key for 3-5 seconds to pop-up shortcut menu directly. As shown in Figure (default menu button in white font).

Select option via dialing to the left or right.

Press to confirm option as default, then press EXIT to exit.

Functions of F1-F2 buttons can also be customized: Center Marker, Aspect Marker, Check Field, Underscan, Scan, Aspect, DSLR, Freeze, H/V Delay, Peaking, False Color, Exposure, Histogram, Level Meter, Waveform and Time Code.

F1-F2 : 2 user-definable function buttons

**Default function:**

**F1 Waveform**

**F2 Scan**



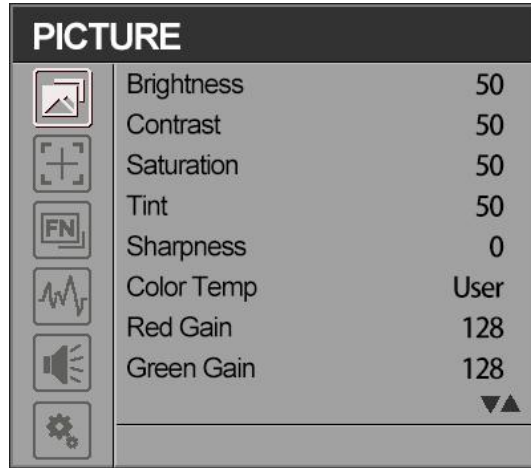
Center Marker  
Aspect Marker  
Check Field  
Underscan  
Scan  
Aspect  
DSLR  
Freeze  
H/V Delay  
Peaking  
False Color  
Exposure  
Histogram  
Level Meter  
Waveform  
TimeCode

#### 3-2. MENU Operation

When power on, press “**MENU**” on the device. The menu of function setting will display on the screen.

Dialing left or right to choose menu, and press to confirm, and then press EXIT to return.

### 3-2-1、Picture












ITEMS	OPTIONS		
Brightness	0 – 100		
Contrast	0 – 100		
Saturation	0 – 100		
Tint	0 – 100		
Sharpness	0 – 100		
Color Temp	5500°K /6500°K/7500 °K/9300 °K/User		
	Red Gain	0 – 255	Note: Available only under “User” mode to choose the color value you need.
	Green Gain	0 – 255	
	Blue Gain	0 – 255	
	Red Offset	0 – 511	
	Green Offset	0 – 511	
	Blue Offset	0 – 511	

### 3-2-2、Marker












ITEMS	OPTIONS
Center Marker	OFF, ON
Aspect Marker	OFF, 16:9, 1.85:1, 2.35:1, 4:3, 3:2
Safety Marker	OFF, 95%, 93%, 90%, 88%, 85%, 80%
Marker Color	Red, Green, Blue, White, Black
Marker Mat	OFF, 1– 7
Thickness	2, 4, 6

### 3-2-3、Function

FUNCTION		
	Scan	Zoom
	Aspect	Full
	Underscan	OFF
	H/V Delay	OFF
	Check Field	OFF
	Zoom	60%
	Freeze	OFF
	DSLR	OFF
		

ITEMS	OPTIONS
Scan	Zoom, Aspect, Pixel TO Pixel <b>(Options can be adjusted only under scan mode.)</b>
Aspect	Full, 16:9, 1.85:1, 2.35:1, 4:3, 3:2
Underscan	OFF, ON
H/V Delay	OFF, H, V, H/V
Check Field	OFF, Red, Green, Blue
Zoom	10%~90% <b>(step value is 10%)</b>
Freeze	OFF, ON
DSLR	OFF, 5D2, 5D3

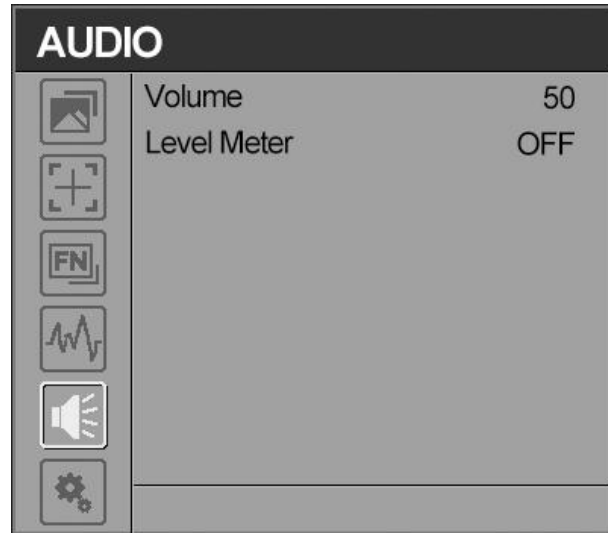
### 3-2-4、Waveform

WAVEFORM		
	Waveform	Multi
	Peaking	OFF
	Peaking Color	Red
	Peaking Level	50
	False Color	OFF
	Exposure	OFF
	Exposure Level	85
	Histogram	Y
		▼▲

ITEMS	OPTIONS
Waveform	Multi、Y、YCbCr、RGB、OFF
Peaking	OFF, ON
Peaking Color	Red, Green, Blue, White
Peaking Level	0 – 100
False Color	OFF, ON
Exposure	OFF, ON
Exposure Level	0 – 100
Histogram	Y, RGB, Color
Time Code	OFF, LTC, VITC <b>(available under SDI mode only.)</b>

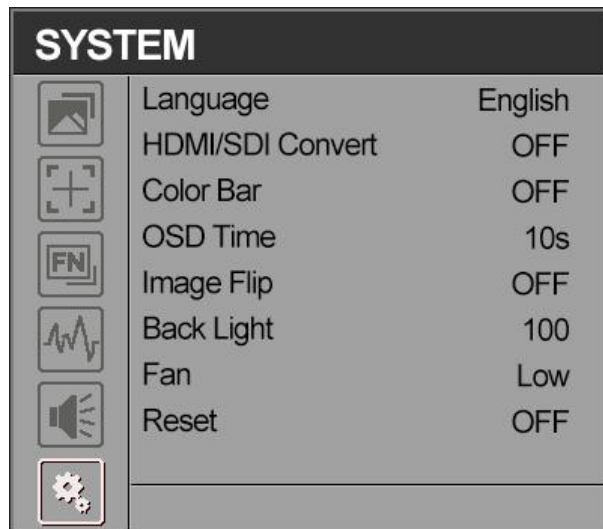


### 3-2-5、AUDIO



ITEMS	OPTIONS
Volume	0 – 100
Level Meter	OFF, ON (default as on under waveform multi function.)

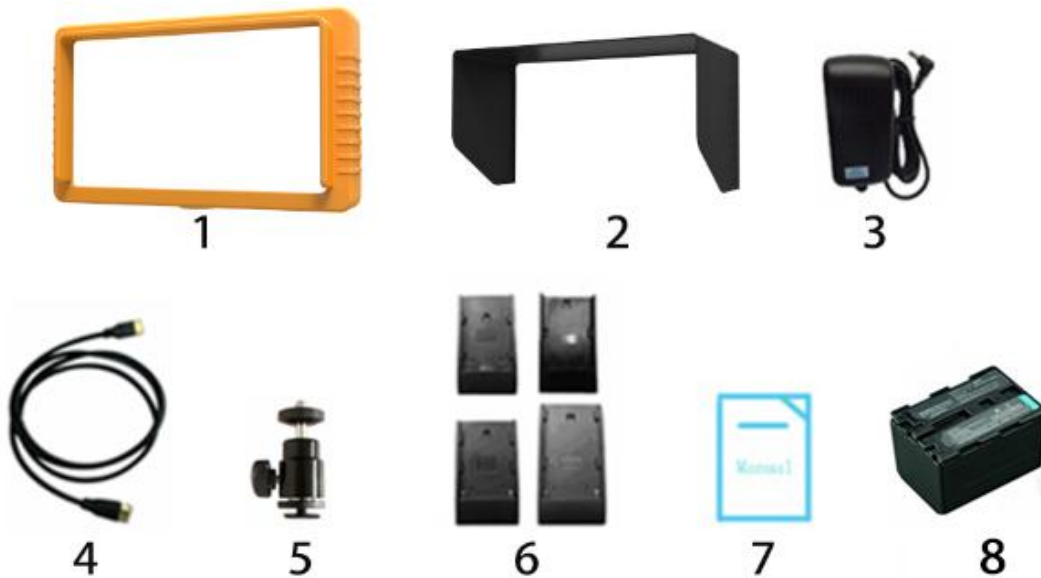
### 3-2-6、SYSTEM



ITEMS	OPTIONS
Language	English, Chinese
HDMI/SDI Convert	OFF, ON
Color Bar	OFF, 100%, 75%
OSD Timer	10s, 20s, 30s
Image Flip	OFF, H, V, H/V
Back Light	0 – 100
Fan	Low, High
Reset	OFF, ON

\*HDMI/SDI cross conversion function can realize signal transmits from SDI input to HDMI output and from HDMI input to SDI output.

## 7. ACCESSORIES



- |  |          |
|--|----------|
| 1. Silicon rubber case                       | 1 piece  |
| 2. Folding sun shade cover                   | 1 piece  |
| 3. 12V DC adapter                            | 1 piece  |
| 4. HDMI A/C cable                            | 1 piece  |
| 5. Shoe mount                                | 1 piece  |
| 6. Battery plate(QM91D, DU21, F970 or LP-E6) | 2 pieces |
| 7. Manual                                    | 1 copy   |
| 8. Battery (Optional)                        | 1 piece  |

## 8. PARAMETERS

Panel	5.5"
Aspect Ratio	16:9
Physical Resolution	1920×1080 (401ppi)
Brightness	450 cd/m <sup>2</sup>
Contrast	1000: 1
Viewing Angle	160°/ 160°(H/V)
Input Voltage	DC 7-24V
Input Signal	3G-SDI, HDMI
Power Consumption	≤12W
Operating Temperature	-20°C~60°C
Storage Temperature	-30°C~70°C
Dimension (LWD)	154.5×90×20mm
Weight	290g / 320g(with case)

## **9. TROUBLE SHOOTING**

### **1. Only black-and-white display:**

Check whether the color saturation is properly setup or not.

### **2. Power on but no pictures:**

Check whether the cables of 3G-SDI and HDMI are correctly connected or not. Please use the standard power adapter coming with the product package. Improper power input may cause damage.

### **3. Wrong or abnormal colors:**

Check whether the cables are correctly and properly connected or not. Broken or loose pins of the cables may cause a bad connection.

### **4. When on the picture shows size error:**

Press “MENU → FUNCTION → Underscan” to zoom in/out pictures automatically when receiving HDMI signals

### **5. Other problems:**

Please press “MENU” button and choose “MENU→SYSTEM→ Reset →ON”

### **6. According to the ISP, the machine can not function properly:**

ISP for program upgrades, non-professionals do not use. Please reboot your device if press accidentally!

**Note: due to constant effort to improve products and product features, specifications may change without notice.**

