

# **7" 4K HDMI On-Camera Monitor**



# **User Manual**

## Product Overview

Thank you for purchasing our photography, broadcast color LCD Monitor kit. This product adopts proprietary digital signal processing circuit and professional IPS LCD screen. It's high brightness, low power consumption, stable performance. It's with HDMI, AV inputs, which make it wide application, casing compact, simple operation, and portable convenient. Advanced features include Peaking Focus, Screen Marker, Zoom All, Image Flip and Color Temp. etc. It is an ideal portable light weight frame supporting the monitor.

The monitor built-in battery plate, you can use the power adapter supply or use the external battery for power supply.



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

### CAUTION

1. Do not use any damaged or leaking battery and please replace the battery immediately if its working life becomes short significantly
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. Please use sun shade for the outdoor necessary
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.

# Features

- High brightness, contrast, high resolution with sun shade, visible under the sunshine
- Built-in 4K HDMI/ AV inputs, enable for a various of signal
- External remote control, to control the functions of the monitor in distance.
- Optional for external battery plate and various batteries for outdoor usage
- 4 F Buttons can be self-defined for different function
- Support a variety of different types of battery brands (F970, LP-E6, D28S, U60)
- Picture Zoom can be operated Zoom All, U/D Zoom, L/R Zoom
- Contain Focus Assist , Anamorphic, Nine Grid, Center Marker, Histogram, Image Freeze, Image Flip, Embedded Audio, etc.

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# 1. Product Description

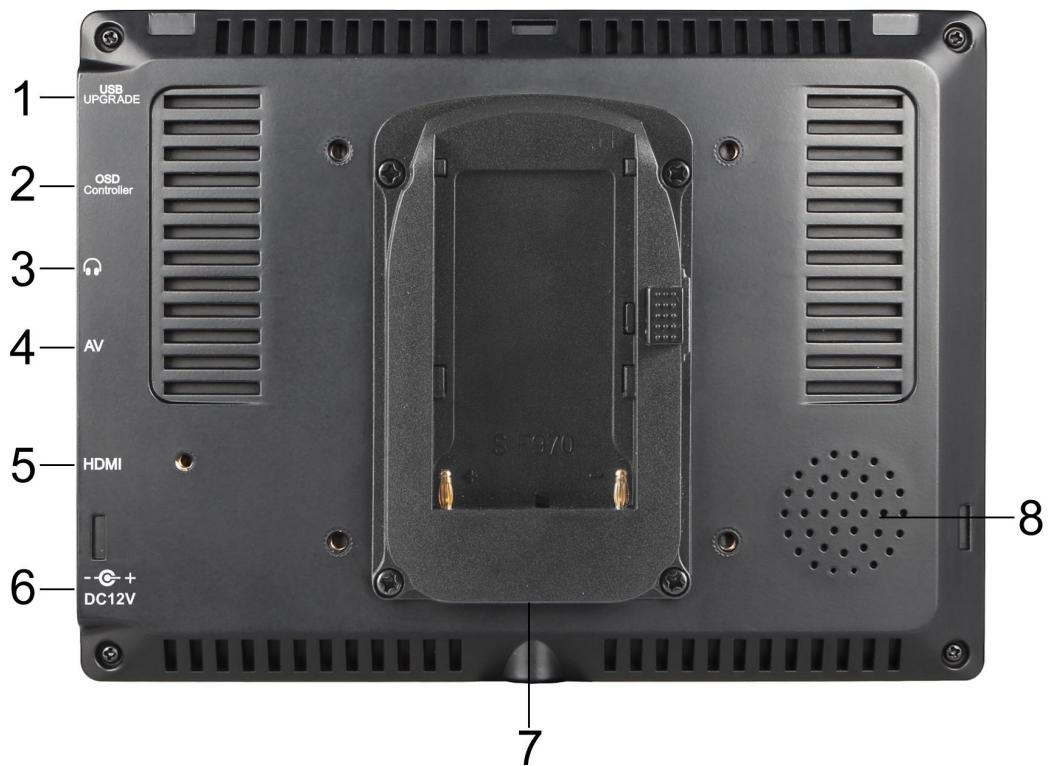
## 1.1 Front Panel Features



1. Power Indicator light: when power on/standby, it turns red; when signal in, it turns green!
2. : Power on/off
3. F4: Custom button, enter secondary menu item F (self-defined button), then self-define the function that user need
4. F3: Custom button, same as F4 operation
5. : Multi button. In OSD Menu is for up adjustment. It can be custom button when not in OSD. See F4.

6. **V/F1**: Multi button. In OSD Menu is for down adjustment.  
It can be custom button when not in OSD. See F4.
7. MENU: Menu button
8. >: Volume up, in OSD menu to increase the value of analog on the menu.
9. <: Volume down, in OSD menu to decrease the value of analog on the menu.
10. MODE: Signal Switch Button
11. LCD Display

## 1.2 Rear Panel Features

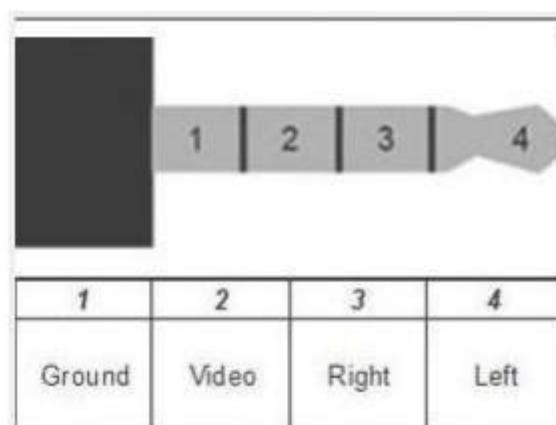


1. USB Upgrade Port

2. OSD Controller input. Can insert OSD Controller into this port, to have a remote operation on the parameters of the monitor
3. : Earphone insert
4. AV: AV signal input, to input the AV signal into the monitor through the assorted port
5. HDMI: HDMI(High Definition Multimedia Interface) signal input
6.  DC12v : DC power input interface, pole of the power should match the image.
7. Battery Plate
8. Built-in Speaker

### 1.3 Plug Configuration of AV Cable Instruction

The AV signal port of the monitor need to use 3.5mm four-section plug, please make sure the plug configuration is same as below diagram when purchasing the AV cable.



## 1.4 HDMI Lock



**1. HDMI locking plate**

**2. Locking Screw**

To use HDMI locking plate to lock the plug of HDMI cable, then put the locking plate close to the monitor, and finally bolt the locking screw to lock the plate with the monitor. As the picture below (arrow direction)



## 1.5 Sunshade



① Sunshade



② Sunshade Frame



③ Complete Shape



④ Sunshade Application

First to open the sunshade ①, and match the sticker on the sunshade inside to the marked part of the sunshade frame, press the side of the sunshade frame, ③ smooth and press 3 sides on the sunshade, ④ to lock the sunshade with the monitor tight.

## 1.6 Battery Plate

There is a battery plate installed on the back of the monitor, can assemble the corresponding battery to power the monitor. There are many different battery plates. The customers can choose the suitable battery plate according to the battery.

Battery Plates in different model as below:



**F970**



**LP-E6**



**D28S**



**U60**

**•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.

**•Four types of batteries corresponding to the upper battery plates.**



**F970**



**LP-E6**



**D28S**



**U60**

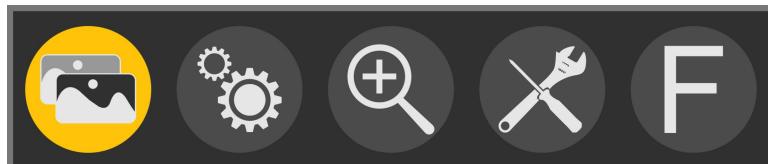
Remark: It is recommended to use standard original batteries.

Different specifications of the battery, capability is different. The working time for the monitor will be different. Higher capability (working time) will be longer. Please take off the battery from the monitor if you don't use the monitor in a long time

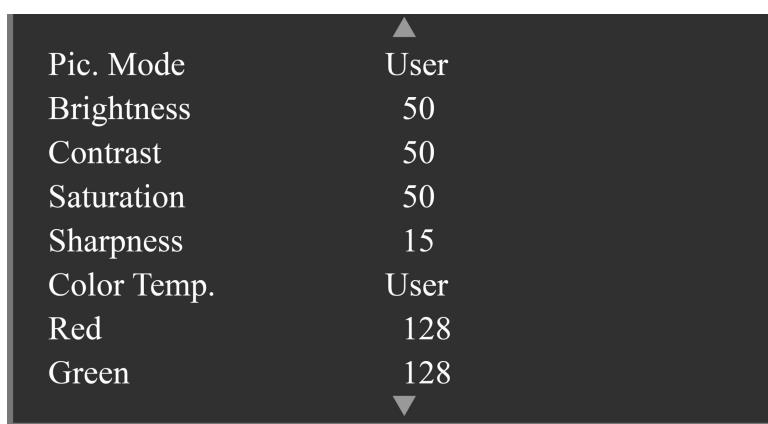
## 2. Menu Operation Instruction

After correctly connect to the power supply, the indicator will turn (Red), press  to turn on monitor power, the indicator will be Yellow, and then input AV or HDMI signals, the indicator will turn Green from Yellow.

2.1 Press “MENU” button in the front of panel to enter OSD main menu, and press“<”or“>”button to go through the contents of main menu and secondary menu function.



2.2 Then press “▽/F1” button to enter secondary menu (cursor move to secondary menu position).



If users need to go through or select the items in the secondary menu, then press this button “▽/F1” or “▽/F2” button to move the cursor.

2.3 After select the items in the secondary menu, then press

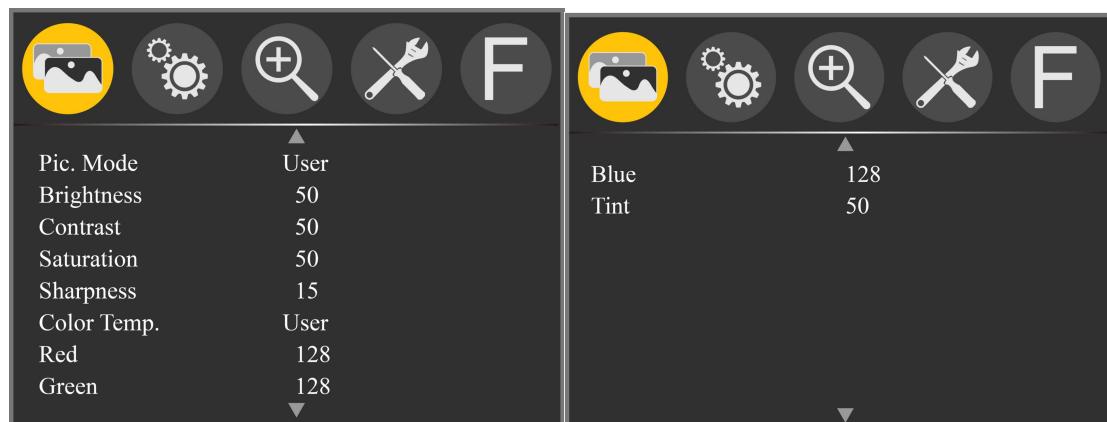
“<”or“>” button to adjust the item parameters.

2.4 Press “▽/F1”or “△/F2” button to choose another parameter adjustment after confirm the item adjustment.

2.5 Press “MENU” button to exit the menu.

### 3. Menu Function Instruction

#### ● Image (Including 2 pages)



#### ★ Pic. Mode: Standard, Mild, User, Dynamic

Select ‘user’ to adjust **Brightness, Contrast, Saturation, Sharpness**.

#### ★ Brightness: 0~100

To adjust image's brightness.

#### ★ Contrast: 10~100

To adjust the brightest and the darkest ratio of the image, please note the sense of picture when adjust, proportion too high or too low will make the picture lose the color.

#### ★ Saturation: 0~100

To adjust color concentration.

## ★ Sharpness: 0~100

Also called 'Resolution', is an indicator for the image plane definition and image edge sharpness. If sharpness is higher, then the details contrast on the image is higher, the image is more clearly.

## ★ Color Temp.: 6500, 9300, User

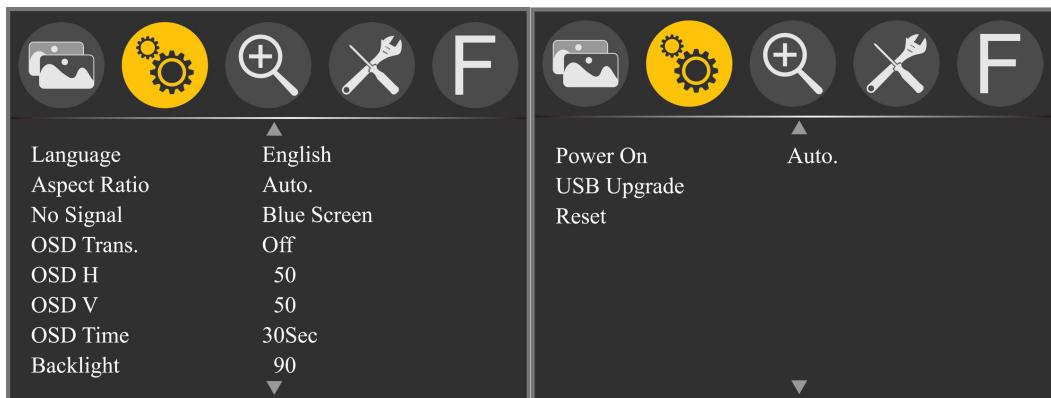
Select image white color temperature of the monitor.

When select 'user', adjust the Red, Green, Blue to meet the different user's requirement for the different Color Temp.

## ★ Tint: 0~100

To adjust the image cool and warm hue.

### ● Setting (including 2 pages)



## ★ Language: English, 简体中文, Español, Português,

Français, Nederlands, Deutsch, 日本語, 繁體中文

To select the display menu language.

## ★ Aspect Ratio: Auto., 4:3, 16:9, Just Scan,

Panorama, P2P

To select the image aspect ratio.

**★ No Signal: Blue Screen, Red Screen, Green Screen, Black Screen, White Screen**

To select the screen background color when no signal.

**★ OSD Trans.: Off, Low, Middle, High**

The transparent of image background when menu display.

**★ OSD H: 0~100**

To adjust the OSD position in horizontal.

**★ OSD V: 0~100**

To adjust the OSD position in vertical.

**★ OSD Time: Off, 10Sec, 20Sec, 30Sec**

The function is to adjust the menu time.

**★ Backlight: 0~100**

To adjust the brightness of screen backlight.

**★ Power On: Auto., Manual**

When select the Auto., the monitor will turn on when input power. But if select the manual, it is standby when input power, need to press  button to turn on the power.

**★ USB Upgrade**

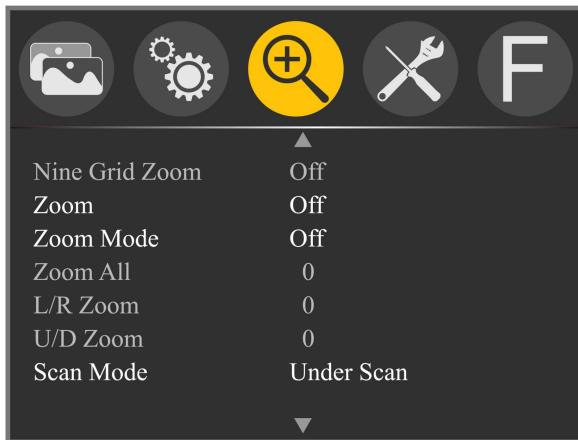
When need to upgrade the native data application software, copy the file to the U disk, connect the USB cable with upgrade USB port, press “>” button to confirm.

After the upgrade, monitor will automatically restart.

**★ Reset**

Press “>” button to confirm, back to original setting.

## ● Zoom



### ★ Nine Grid Zoom: Off, On

After turning on the Nine Grid function, then turn on this function, you can press “<” or “>” button to choose a image, and then press “ $\vee$ /F1” or “ $\wedge$ /F2” button to zoom the image to full screen. Press “ $\vee$ /F1” or “ $\wedge$ /F2” to exit the local zoom function. (To achieve this function, you need to first open the Nine Grid function.)

### ★ Zoom: Off, 4X, 9X, 16X

Image Zoom function, to help the photographer observe more careful image by changing it.

### ★ Zoom Mode: Off, Mode1, Mode2

**Zoom All, L/R Zoom, U/D Zoom** can be customized.

#### **Zoom All: 0~100**

To adjust the image to zoom in or zoom out.

#### **L/R Zoom: 0~100**

To adjust the proportion of the image Left and Right to Zoom In or Zoom Out.

#### **U/D Zoom: 0~100**

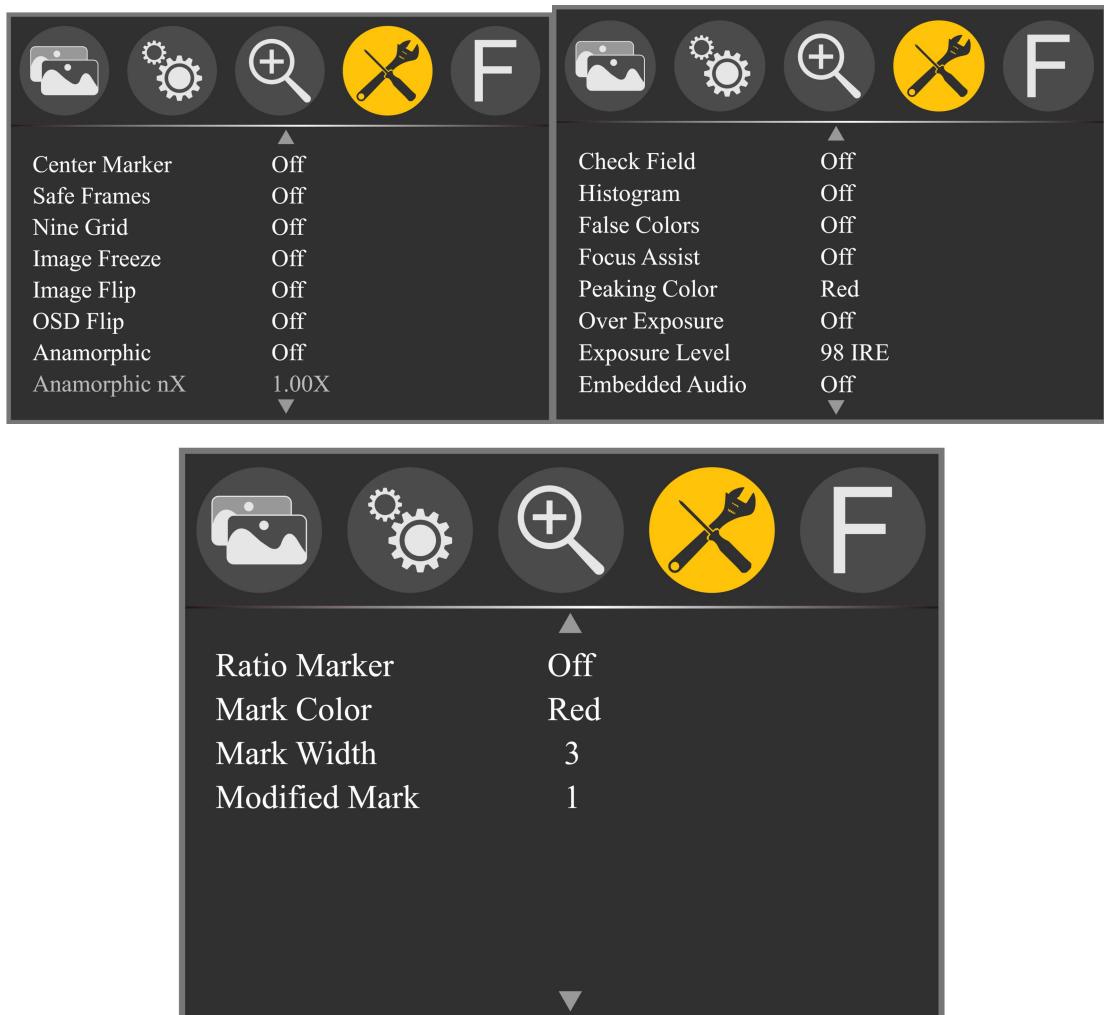
To adjust the proportion of the image Up and Down to

Zoom In or Zoom Out.

### ★ Scan Mode: Under Scan, Over Scan

The scan mode can be selected.

### ● Function (Including 3 pages)



### ★ Center Marker: Off, On

To set center mark (cross mark) display.

### ★ Safe Frames: Off, 80%, 85%, 90%, 96%, 93%, 2.35:1

To select the screen marker.

### ★ Nine Grid: Off, On

To make the image segmented into nine grids.

### ★ Image Freeze: Off, On

The current picture still (capture function).

### ★ **Image Flip: Off, H\_V Flip, H Flip, V Flip**

Image Flip function.

### ★ **OSD Flip: Off, On**

After turning on the Image Flip, turn on this function again to achieve the OSD Flip function.

### ★ **Anamorphic: Off, 1.3X, 2.0X, 2.0X MAG, User**

It uses together with some side screen film lens to restore the real proportion of scene. Under the "user" adjustment item, the **Anamorphic nX** can be customized.

### ★ **Anamorphic nX: 1.20X~2.00X**

Customizable anamorphic adjustment is available.

### ★ **Check Field: Off, Mono, Red, Green, Blue**

To switch among Color, Mono, Red, Green, Blue.

### ★ **Histogram: Off, On**

It stands for the image pixels numbers in each level of brightness and shows the brightness distribution of pixels in the image.

### ★ **False Colors: Off, On**

It is the analysis of the whole image brightness and display False Color. It is convenient to guide using light when shooting and post production.

### ★ **Focus Assist: Off, On**

By sharpening the edge of images to help photography for focusing operation.

### ★ **Peaking Color: Red, Green, Blue**

Due to the image color is colorful when shooting in natural

light, so the user may react to the edge of the single line not too sensitive, at this time to change the auxiliary focal edge line color will improve the sensitivity of the image contour. It is convenient during filming tracking in focus.

### ★ Over Exposure: Off, On

To turn on or off this function.

### ★ Exposure Level: 1~100 IRE

When exposure exceeds the preset value, the monitor screen appear the twill, it is to reflect the picture exposure conditions, so as to suggest the photographer adjust the aperture to obtain proper exposure.

### ★ Embedded Audio: Off, On

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.

### ★ Ratio Marker: Off, 4:3, 13:9, 14:9, 15:9, 16:9, 1.85:1,

#### 2.35:1

Image display ratio marker.

### ★ Mark Color: Red, Green, Blue, Black, White

To select the above high contrast mark color according to different image.

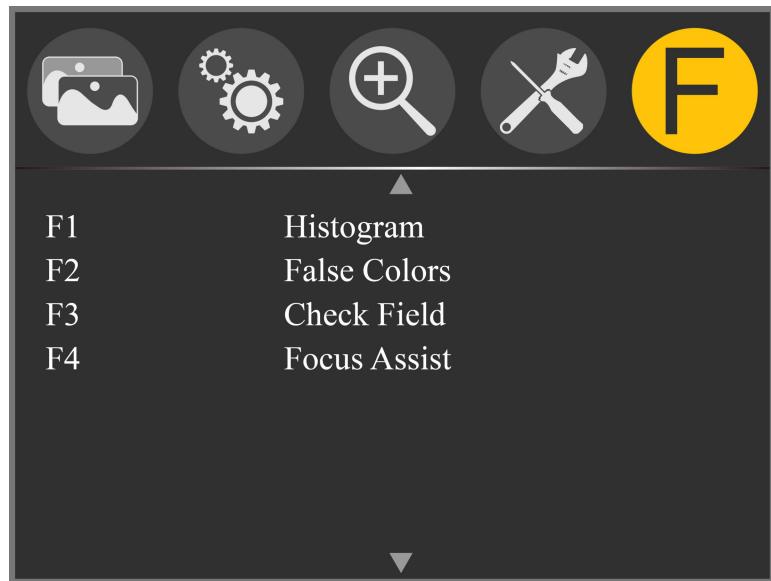
### ★ Mark Width: 1~7

To select the above mark color display width.

### ★ Modified Mark: 0~6

Adjust the brightness of the image outside tag line to highlight the inside tag line of image.

## ● Custom Button Setting F1~F4



★ **F1/ F2/F3/F4: Center Marker, Safe Frames, Check Field, Focus Assist, Aspect Ratio, Image Flip, Image Freeze, Histogram, False Colors, Over Exposure, Embedded Audio, Nine Grid, Zoom, Anamorphic**

To set the 4 shortcut custom button **F1, F2, F3, F4** on the panel.

**For example:** When in OSD menu “”, press “ $\vee/F1$ ” button to select **F1**, press “ $<$ ” or “ $>$ ” button to pop-up function items and press “ $\vee/F1$ ” or “ $\wedge/F2$ ” button to select one of them, such as “Focus Assist”, and press “ **MENU**” button to confirm.

So when you exit OSD menu, you could press F1 directly on the front of panel to turn on “Focus Assist” function.

Same setting for **F2, F3 and F4**.

#### 4. Technical Parameters

<b>Panel Size</b>	7.0 inch
<b>Resolution</b>	1280×800 pixels
<b>Backlight</b>	LED
<b>Dot Pitch</b>	0.11775(W) x 0.11775 (H) mm
<b>Aspect Ratio</b>	16:10
<b>Brightness</b>	400cd/ m <sup>2</sup>
<b>Contrast Ratio</b>	800:1
<b>Response Time</b>	25ms
<b>Viewing Angle</b>	89°/89°(L/R) 89°/89°(U/D)
<b>Input Signal</b>	HDMI/ AV
<b>Video Color System</b>	PAL-4.43 / NTSC-3.58
<b>HDMI Support Format</b>	480i /480p /576i /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 (30/29.97/25/24/23.98)
	4096×2160p (24Hz)
<b>Headphone Output</b>	stereo 3.5mm
<b>Input Voltage</b>	DC 6.5~35V
<b>Power Consumption</b>	≤5W
<b>Unit Size (mm)</b>	176(L)×130(H)×17(D) mm
<b>Unit Weight</b>	300g
<b>Installation Method</b>	1/4 inch bracket screw holes, can be easily connected to the hot shoe mount, tripod fixed installation
<b>Working Temperature</b>	– 20 ~ 50 °C
<b>Storage Temperature</b>	– 30 ~ 60 °C

## 5. Trouble Shooting

### 5.1 Only black and white or monochrome picture

- ① Please check saturation, brightness & contrast adjustment.
- ② Please check monitor "color" from the menu "monochrome" is in black and white or monochrome image or other condition.

### 5.2 NO Image after put on the power

- ① Check signal cable contact are in good condition, a monitor is synchronized with the input signal, and can press the "MODE" give it a try.
- ② Check signal cable connecting, and make sure use the standard adapter connect the monitor. If power supply by battery, please check the battery whether fully charged.

### 5.3 No sound

- ① Volume control did not open, can press the volume button, and try increasing the volume.
- ② Check the AUDIO input and ensure there have AUDIO signal

■Remark: If there are still other problems, please contact with our related deals.

**★If there are changes without prior notice.**