

7" Full HD On-camera Monitor

Support 4K HDMI Input/ Output



User Manual

Product Overview

Thank you for purchasing our photography, broadcasting kits color LCD monitor, which adopts advanced integrated digital signal processing circuits and professional IPS LED panel, which makes it high brightness, low power consumption, stable performance, etc. It is equipped with HDMI input and output, which make it wide application, casing compact, simple operation, portable convenience and strong compatibility.

Advanced features include Histogram, False Colors, Zebra Exposure, Focus Assist, Embedded Audio, Nine Grid, Center Marker, Safe Frames, Color Temp., Picture Setting, Color Setting etc., ideal portable lightweight as viewfinder and video monitor.

The monitor is equipped with an external battery plate; you can use the power adapter supply or use the external battery for power supply.



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

CAUTION

- Please avoid the heavy impact and drop onto the ground when move the product.
- Please do not cover the vents and holes on the enclosure and do not place the machine on a bed, sofa, and rug to ensure good ventilation. Otherwise it will lead to overheating and reduce the service life.
- The screen of this product is made of glass. Please do not drop the screen towards the ground. Keep away from injury if the screen is broken.

- Keep the product away from the heat source, such as the radiator, the water heater, the stoves and the other heating products.
- Avoid the prolonged exposures to the sun as the LCD screen will be damaged.
- Please use the qualified adapter, or use the qualified battery if need.
- To avoid damaging the product, please do not take apart or repair the unit by yourself without the adjustable components in the unit.
- To maintain the LCD screen better, please notice the ways as below to avoid the scratch, the discoloration and the other damages.
 1. Please refrain from using the hard objects to hit the screen.
 2. Please do not force to wipe the screen.
 3. Please do not use the chemical solutions to clean the screen.
 4. Please do not spray any detergent on the screen.
 5. Please do not write on the screen directly.
 6. Please do not stick on the screen.
 7. Please simply wipe with a clean soft cloth and make sure no water on the screen.
- To protect the plastic cover better, please follow these ways as below to avoid the damages;
 1. Please do not use the chemical solutions to clean the cover.
 2. Please keep away from the volatile things.
 3. Please keep away from the rubber.
 4. Please do not clean the case hard.
 5. Please simply wipe with a clean soft cloth and make sure no water on the cover.

Features

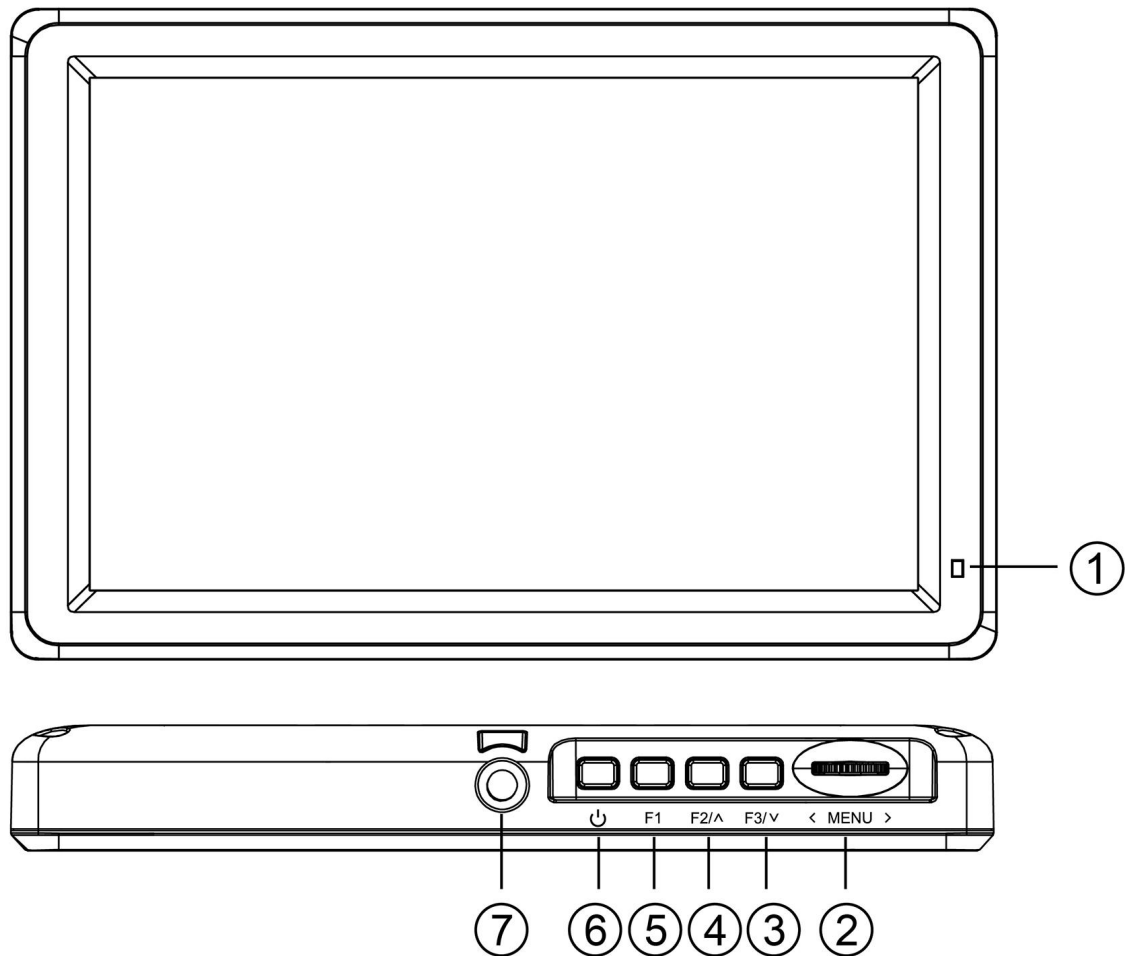
- IPS LCD panel, full HD 1920X 1200
- Support 4K UHD signal input and output
3840×2160p (30/29.97/25/24/23.98 Hz) / 4096×2160p (24Hz)
- Histogram is a quantitative tool to inspect the image brightness, to guide the exposure control
- Analog stereo L/R, embedded audio display
- Focus Assist (Focus edge can be Red, Green, Blue)
- Zebra and False Color function, convenient to guide the using light when shooting and the post production
- Check Field (Red, Green, Blue, Mono)
- Image Zoom-in function
- Anamorphic Mode
- Image Flip (H, V, H/V)
- Image Freeze
- Image Nine Grid, zoom one of the images to realize the full screen
- Pixel to Pixel
- Marker Types, Safe Frames and Center Marker
- Display and adjust the image Color Temp
- Brightness, Contrast, Tint, Saturation and Color Temp Adjustment.
- Support varieties of the different types of the battery brands (F970, E6, D28S, U60)
- Speaker and earphone output
- External sunshade, sunlight readable

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1. Product Description

1.1 Front Panel Instruction



①. Power Indicator Light: when power on/standby, it turns red; press , it will turn yellow; when signal in, it turns green.

②. < **MENU** > : Rotate it to control volume.

Press this knob to pop up OSD menu, rotate it to select the secondary menu. Rotate it to change the set value of the secondary menu or adjust the analogue value.

Press it again to exit menu.

③. **F3/V**: No menu display, directly press this button is for F3 custom function button.

In menu display, press it to enter into secondary menu and for the down item selection.

- ④. **F2/∧**: No menu display, directly press this button is for F2 custom function button.

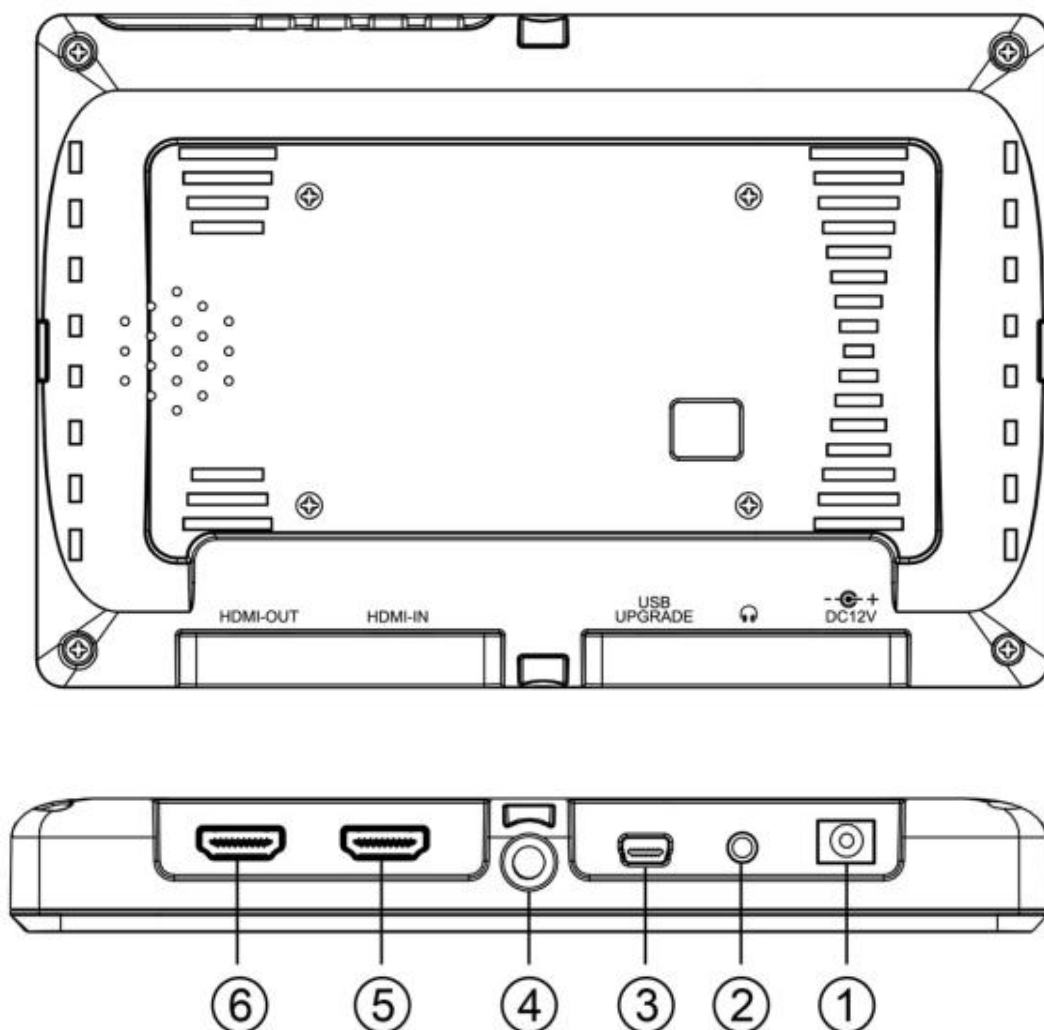
In menu display, it is for the up item selection.

- ⑤. **F1**: Custom button F1

- ⑥. **⏻**: Power on/off

- ⑦. 1/4"-20 Thread Socket

1.2 Rear Panel Instruction



- ①. DC power input interface

- ②. 🎧 : Earphone port
- ③. USB upgrade port
- ④. 1/4"-20 Thread point
- ⑤. **HDMI-IN**: HDMI signal input
- ⑥. **HDMI-OUT**: HDMI signal output

1.3 Sunshade



① **Sunshade**



② **Sunshade Frame**



③ **Fixed Frame**



④ **Sunshade Application**

First lock the Sunshade Frame ② with the monitor tight ③.

Open the sunshade ①, and match the sticker on the sunshade inside to the marked part of the sunshade frame ②, smooth and press 3 sides on the sunshade, and then complete the sunshade installation ④.

1.4 Battery Plate

There is a battery plate installed on the back of the monitor, you can assemble the corresponding battery to power the monitor.

There are many different battery plates. Customers can choose the suitable battery plate according to the battery.

Battery Plates in different models 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



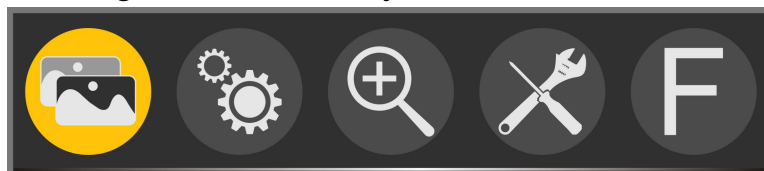
U60

Remark: It is recommended to use standard original batteries. Different specifications of the battery have different capability. 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 HDMI signals, the indicator will turn Green from Yellow.

2.1 Press “< **MENU** >” button to enter OSD main menu, and rotate it to go through the secondary menu function.



2.2 Then press “**F3/V**” button to enter secondary menu (cursor move to secondary menu position).

Pic. Mode	User
Brightness	50
Contrast	50
Saturation	50
Sharpness	15
Color Temp.	User
Red	128
Green	128

Press “**F3/√**” or “**F2/∧**” button to move cursor and select the items in the secondary menu.

2.3 After select the items in the secondary menu, rotate

“**< MENU >**” knob to adjust the item parameters.

2.4 Press “**< MENU >**” knob to confirm the item adjustment and exit the menu.

3. Menu Function Instruction

● Image (Including 2 pages)

Menu of Page One

				
Pic. Mode	Standard			
Brightness	50			
Contrast	50			
Saturation	50			
Sharpness	15			
Color Temp.	6500			
Red	128			
Green	121			

★ **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**

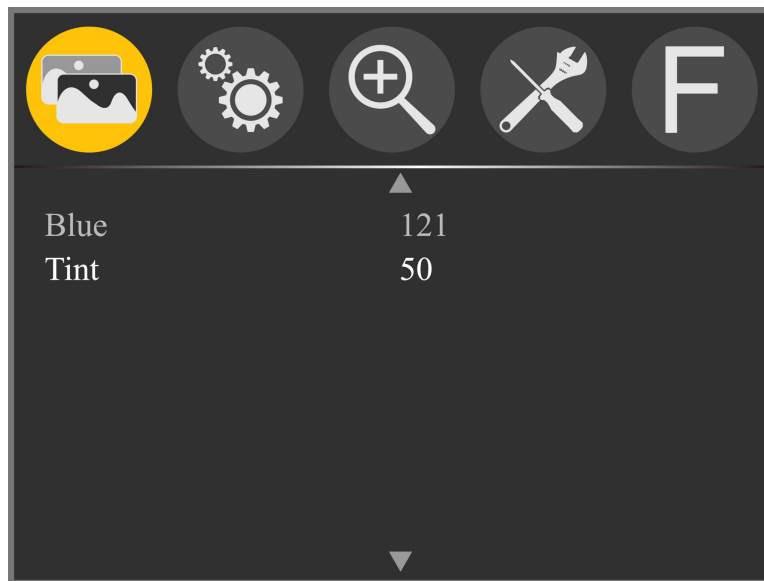
Also called 'Resolution', is an indicator for the image plane definition and image edge sharpness. If sharpness is higher, then the details contrast on the image is higher, the image is more clearly.

★ **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.

Menu of Page Two

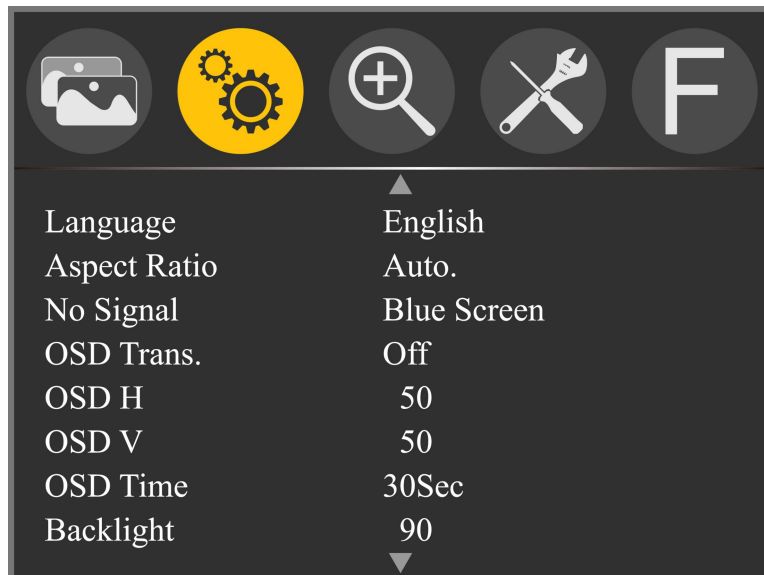


★ Tint: 0~100

To adjust the image cool and warm hue.

● Setting (including 2 pages)

Menu of Page One



★ 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.

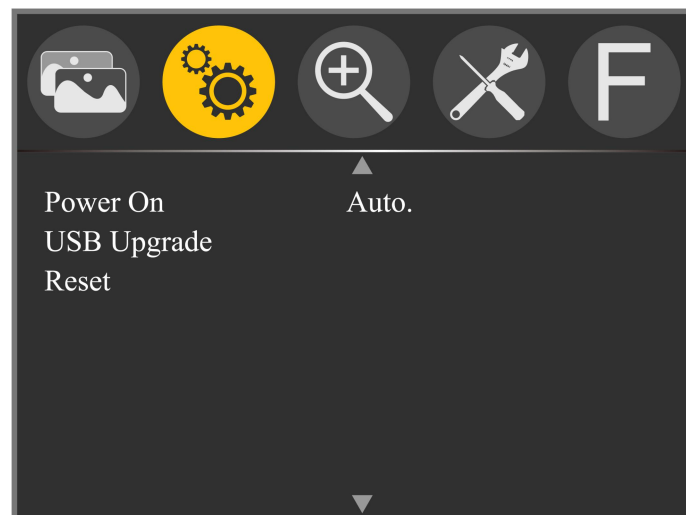
★ **OSD Time: Off, 10Sec, 20Sec, 30Sec**

The function is to adjust the menu time.

★ **Backlight: 0~100**

To adjust the brightness of screen backlight.

Menu of Page Two



★ 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.

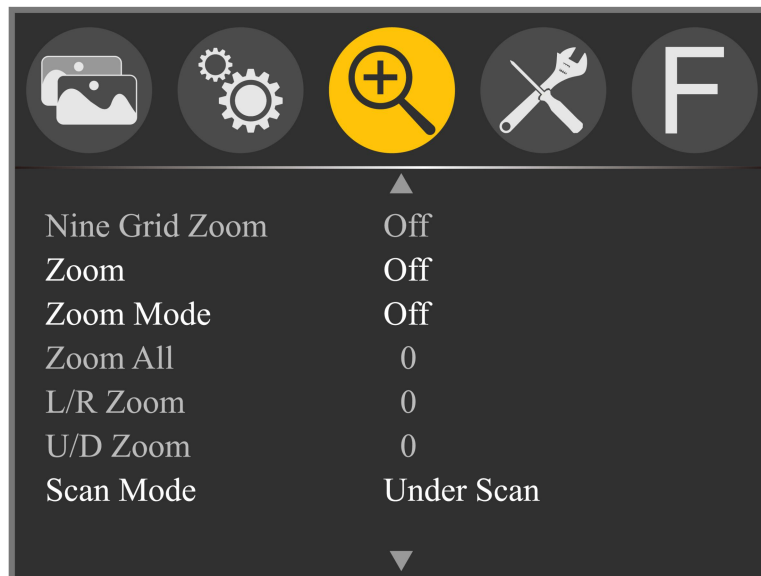
★ USB Upgrade

When need to upgrade the native data application software, copy the file to the U disk, connect the USB cable with upgrade USB port, rotate “ < MENU > ” knob to confirm. After upgrade, monitor will automatically restart.

★ Reset

Rotate “ < MENU > ” knob 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 rotate “ < MENU > ” knob to choose a image, and then press “F3/√” or “F2/∧”

button to zoom the image to full screen. Press “F3/√” or “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

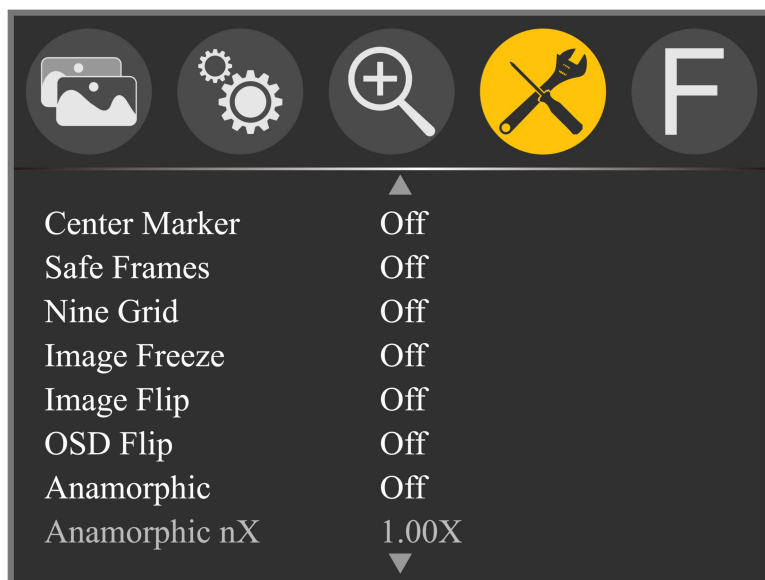
To adjust the proportion of the image Up and Down to Zoom In or Zoom Out.

★ **Scan Mode: Under Scan, Over Scan**

The scan mode can be selected.

● **Function (Including 3 pages)**

Menu of Page One



★ **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.

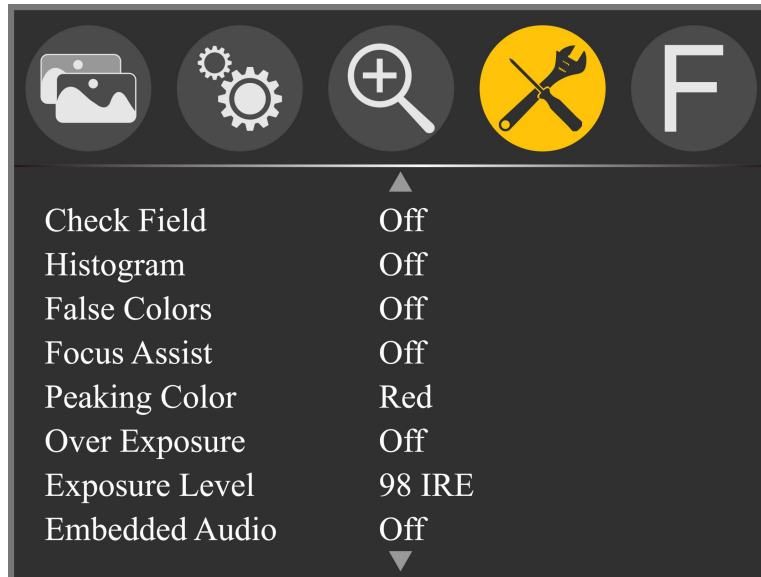
★ **Anamorphic: Off, 1.3X, 2.0X, 2.0X MAG, User**

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.

Menu of Page Two



★ 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. The edge line color can be chosen according to the site situation to select red, green and blue.

★ **Over Exposure: Off, On**

To turn on or off this function.

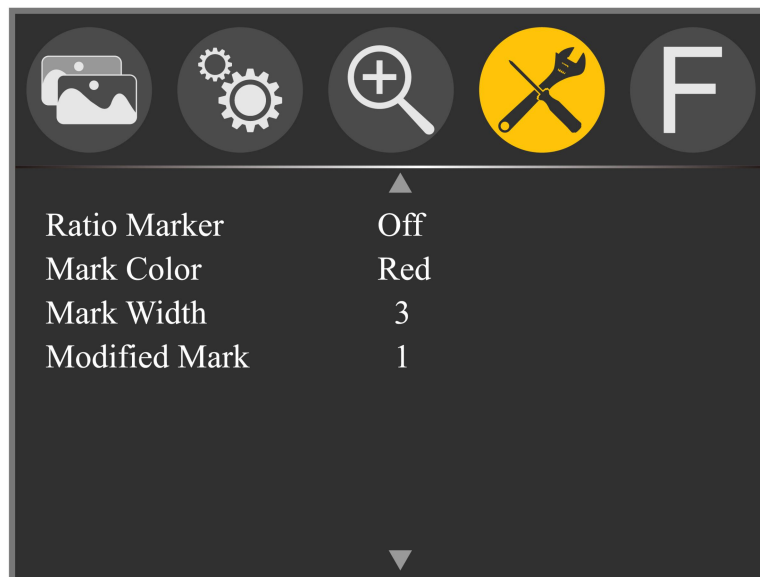
★ **Exposure Level: 1~100 IRE**

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.

Menu of Page Three



★ **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.

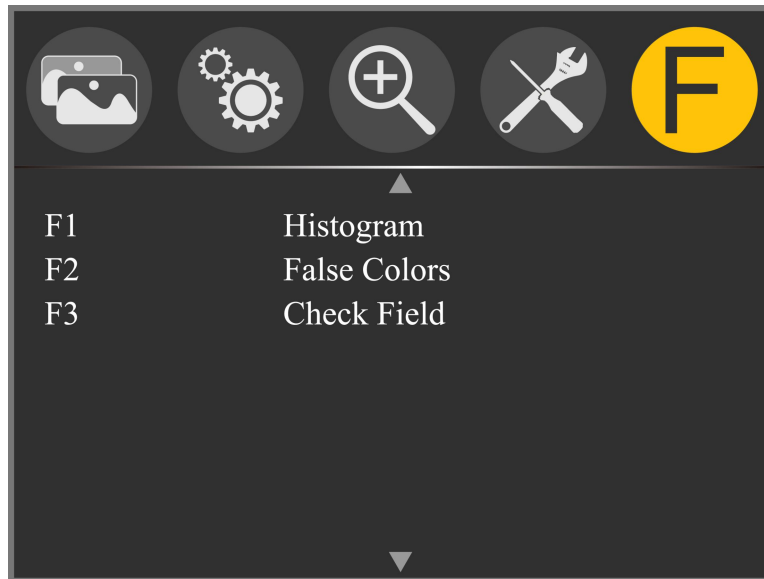
★ **Mark Width:** 1~7

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~F3



★ **F1/ F2/ F3: 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 3 shortcut custom button **F1**, **F2**, **F3** on the panel.

For example: When in OSD menu “”, press “**F3/V**” button to select **F1**, rotate “< **MENU** >” knob to pop-up function items and press “**F2/∧**” or “**F3/V**” button to select one of them, such as “Focus Assist”, and press “< **MENU** >” knob to confirm. So when you exit OSD menu, you could press F1 directly in the front of panel to turn on “Focus Assist” function.

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

4. Technical Parameters

Panel Size	7.0 inch
Resolution	1920×1200 pixels
Dot Pitch	0.07875(W) x 0.07875 (H)mm
Aspect Ratio	16:10
Brightness	450cd/m ²
Contrast	1200:1
Viewing Angle	80°/80°(L/R) 80°/80°(U/D)
Backlight	LED
Input	HDMI
Output	HDMI
Audio	3.5mm Stereo Headphone, Speaker
HDMI Input / Output Support Format	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 Hz) 4096×2160p (24Hz)
Input Voltage	DC:7~24V
Power Consumption	≦ 8.5W
Unit Size (mm)	180Lx120Hx22.95D (mm)
Unit Weight	280g/310g (With F970 Battery Plate)
Mount Points	¼-20 thread points (top, bottom)
Working Temperature	- 20℃ ~ 55℃
Storage Temperature	- 30℃ ~ 65℃

5. Trouble Shooting

5.1 Only black and white or monochrome picture:

- ① please check saturation, brightness & contrast adjustment.
- ② Please check "Check Field" is in black, white or monochrome image or other condition.

5.2 NO Image after put on the power

- ① Check if signal cable connecting is in good condition, and if monitor is synchronized with the input signal.
- ② Check signal cable connecting, and make sure to use the standard adapter to connect the monitor. If power is supplied by battery, please check if the battery is fully charged.

5.3 No sound

- ① Check if Volume control do not open, rotate the volume button, and try to increase the volume.
- ② Check the HDMI input and ensure there is HDMI signal.

■ If there are still other problems, please contact with our related technologists.

★As we are improving product features and product performance, so if there is any change on the specification without prior notice.