

5.5" Super Lightweight Field Monitor

Stabilizer Gimbal Best Partner



User Manual

Product Overview

Thank you for purchasing our 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, Embedded Audio, Focus Assist, False Colors, Exposure, Aspect Ratio, Image Flip, P2P, Center Marker, Safe Frames, Check Field, Image Freeze, Nine Grid, Zoom, Anamorphic etc. It is an ideal, portable and lightweight viewfinder and video monitor.

The monitor is equipped with an 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.
- 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 do not clean the case hard.
 4. Please simply wipe with a clean soft cloth and make sure no water on the cover.

Features

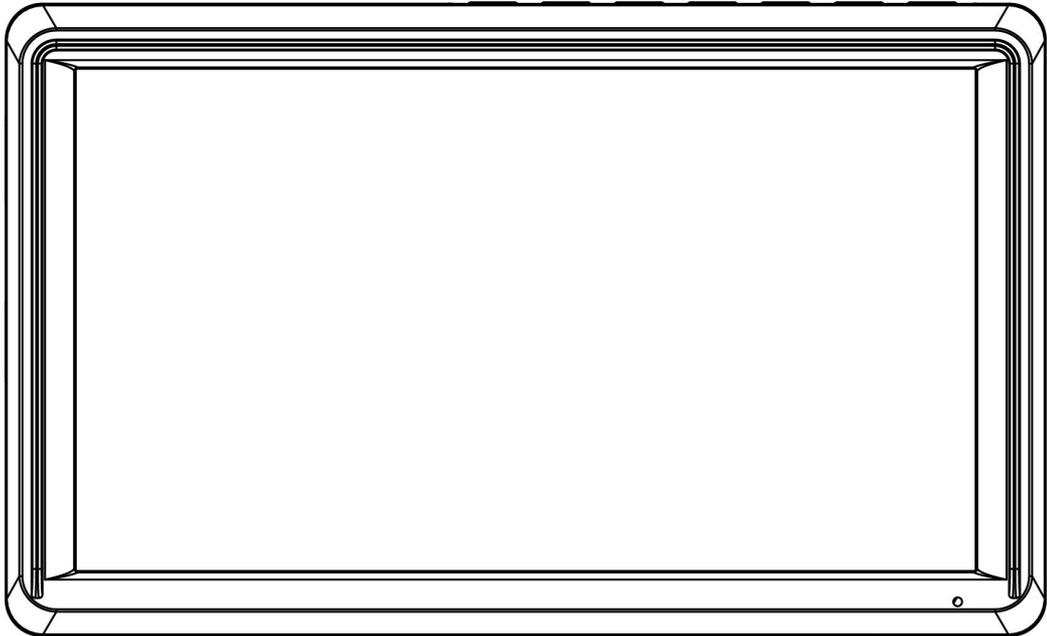
- IPS LCD panel, support 4K HDMI input and output
UHD 4K 3840×2160p (30/29.97/25/24/23.98Hz)
DCI 4K 4096×2160p (24Hz)
- Histogram is a quantitative tool to inspect the image brightness, to guide the exposure control
- Focus Assist (Focus edge can be Red, Green, Blue)
- Embedded Audio
- Zebra and False 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
- Brightness, Contrast, Sharpness, Tint, Saturation and Color Temp Adjustment.
- Earphone output
- DC8.4V power out to power your DSLR camera or mirrorless camera
- External sunshade, sunlight readable

CONTENTS

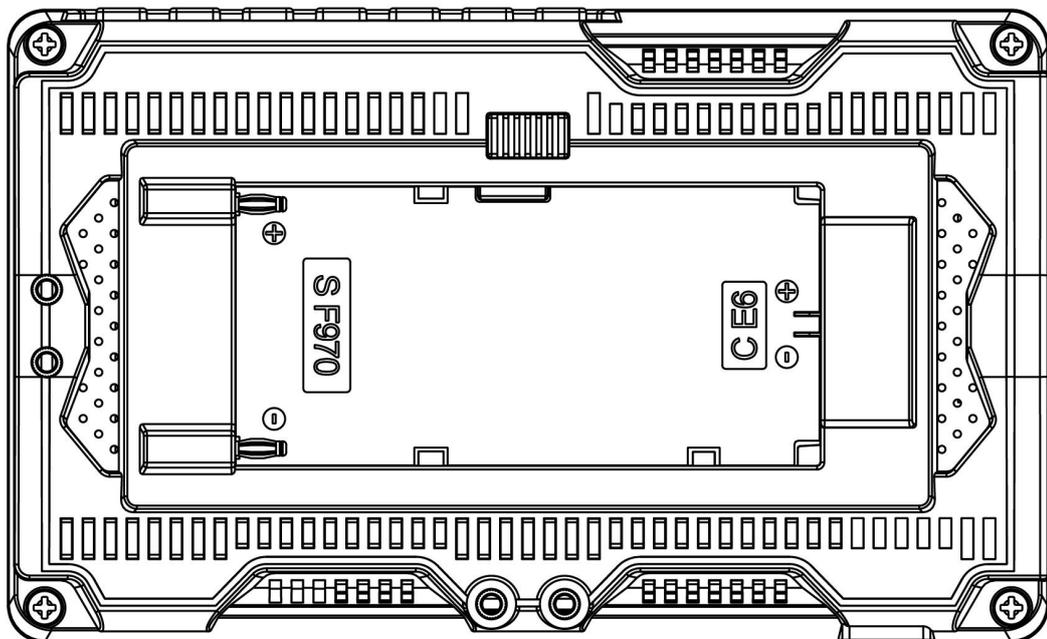
1. Product Description	5
1.1 Button Instruction	6
1.2 Port Instruction (bottom)	6
1.3 Port Instruction (left)	7
1.4 Power Input	7
1.5 Mount Points	8
1.6 Sunshade	9
2. Menu Operation Instruction	10
3. Menu Function Instruction	11
4. Technical Parameters	21
5. Trouble Shooting	22

1. Product Description

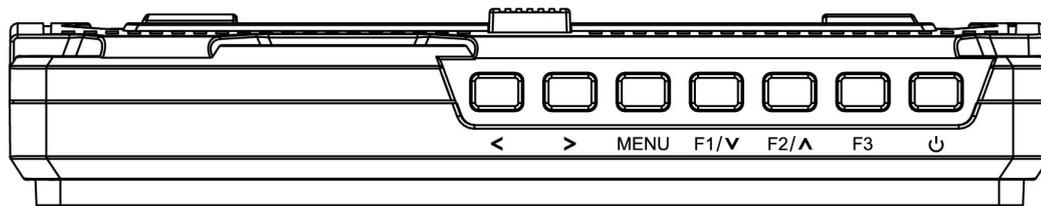
- Front Panel



- Back Panel

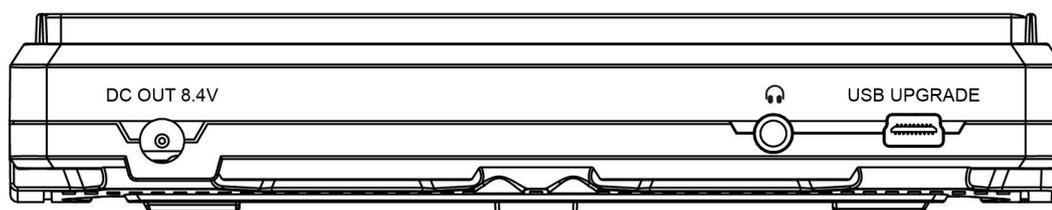


1.1 Button Instruction



Button	Function when OSD is not displayed	Function when OSD is displayed
<	Decrease the volume	Decrease or adjust value of selected parameter
>	Increase the volume	Increase or adjust value of selected parameter
MENU	Display OSD Main menu	Return to previous OSD menu
F1/V	Custom button F1	Select next menu item
F2/Δ	Custom button F2	Select previous menu item
F3	Custom button F3	/
⏻	Power On/Off button	

1.2 Port Instruction (bottom)



DC OUT 8.4V: DC power output interface, polarity as the output power

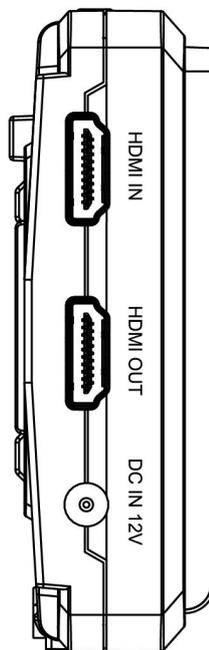


Barrel output for powering your camera with a separately available DC coupler via adaptor (like NP-FW50 Sony & LP-E6 Canon&DMW-BLF19 Panasonic).

: 3.5mm Earphone port output

USB UPGRADE: Firmware USB upgrade port

1.3 Port Instruction (left)



HDMI IN: V1.4, HDMI signal input, up to 4K@30Hz.

HDMI OUT: V1.4, HDMI signal output, up to 4K@30Hz.

DC IN 12V: DC power input interface, polarity as the input

power 

1.4 Power Supply Way

- (1) The rear cover of the monitor is equipped with F970 and E6 dual-purpose battery plate, which is applicable to F970 series of batteries and E6 series of batteries.
- (2) Barrel (5.5mm outer, 2.1mm inner) at the left side of the monitor, DC 7~24V Input.

● Sony F970 battery plate for battery of Sony DV:

Sony F970 F960 F950 F930 F770 F750 F730 F570 F550 F530

QM91D QM91 QM90D QM90 QM71D QM71 QM70D QM70 QM51D

QM51 FM71 FM70 series

- **LP-E6 battery plate for battery of Canon DV:**

Canon LP-E6

Remark: 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.

1.5 Mount Points

(1) 1/4" Screw Lock Installation

The 1/4 screw lock can be installed on the monitor (bottom, right side).



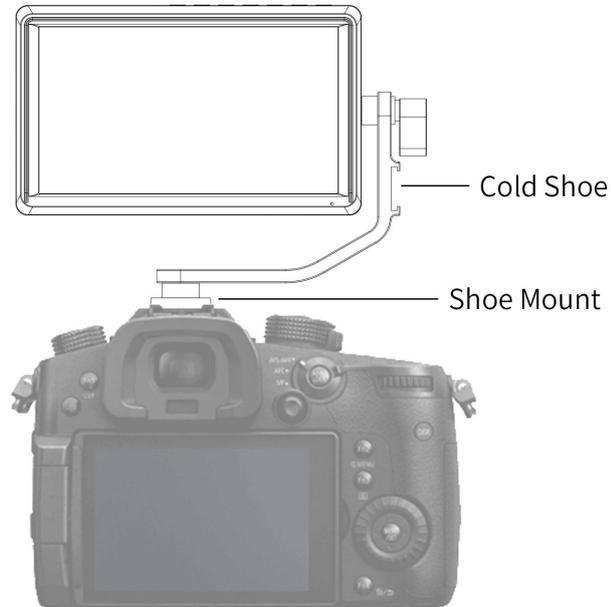
① Fasten the 1/4" screw lock with the monitor.

② Use 2 screws to fasten the 1/4" screw lock and the monitor.

(2) Tilt Arm Mounting

The monitor secures to your camera using the included Tilt Arm via shoe mount or 1/4"-20 thread. The Tilt Arm enables 180° of tilt for convenient monitoring at nearly any angle. A cold shoe on the Tilt

Arm lets you secure equipment (like a microphone, LED light, or wireless receiver) that would otherwise be displaced from the camera's accessory shoe.



1.6 Sunshade



① Velcro



② Sunshade Frame (Paste Velcro)



③ Sunshade



④ Sunshade Application

Attach the Velcro (hook side) ① to the outside of the sunshade frame of the monitor, open the sunshade ③, and align the Velcro (loop side) on the inside of the sunshade with the Velcro (hook side) ② on the monitor sunshade frame, and then complete the sunshade installation ④.

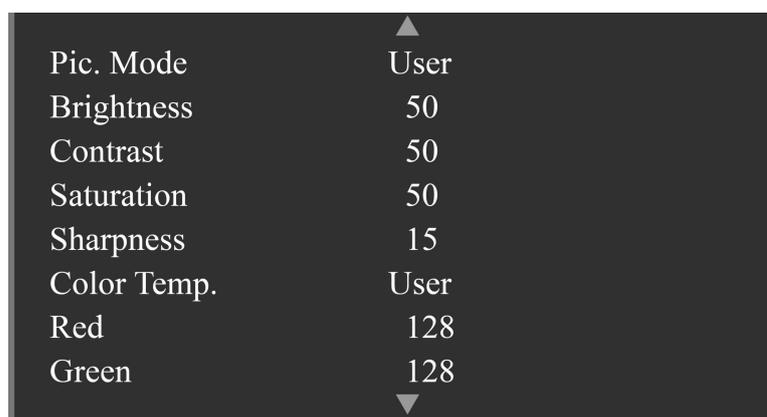
2. Menu Operation Instruction

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 press “<” or “>” button to go through the secondary menu function.



2.2 Then press “F1/V” button to enter secondary menu.

A screenshot of the secondary menu showing a list of settings and their current values. The list is displayed on a dark background with white text. Up and down arrowheads are visible at the top and bottom of the list.

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

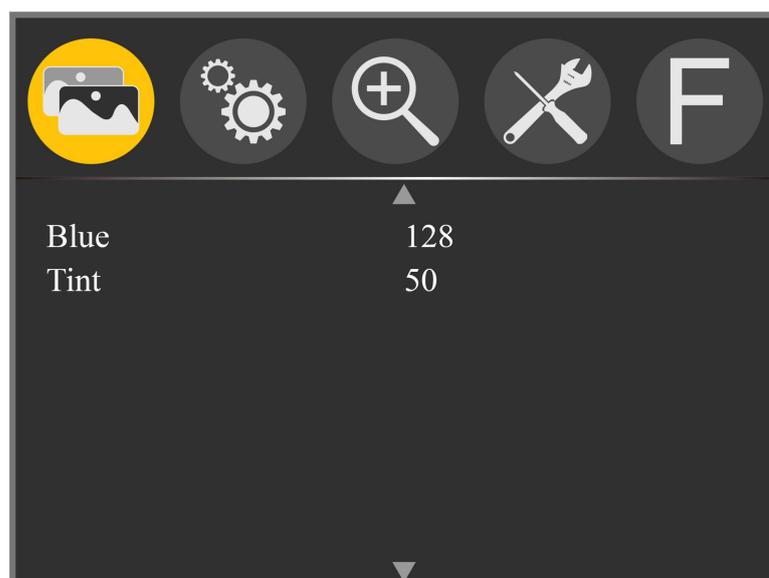
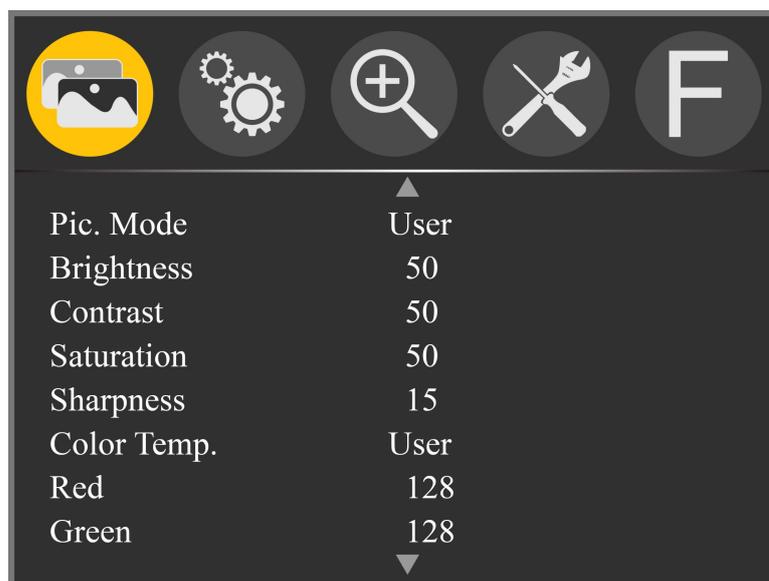
Press “F1/V” or “F2/∧” button to move and select the items in the secondary menu.

2.3 After select the items in the secondary menu, press “<” or “>” button to adjust the item parameters.

2.4 Press “**MENU**” button to confirm the item adjustment and 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**

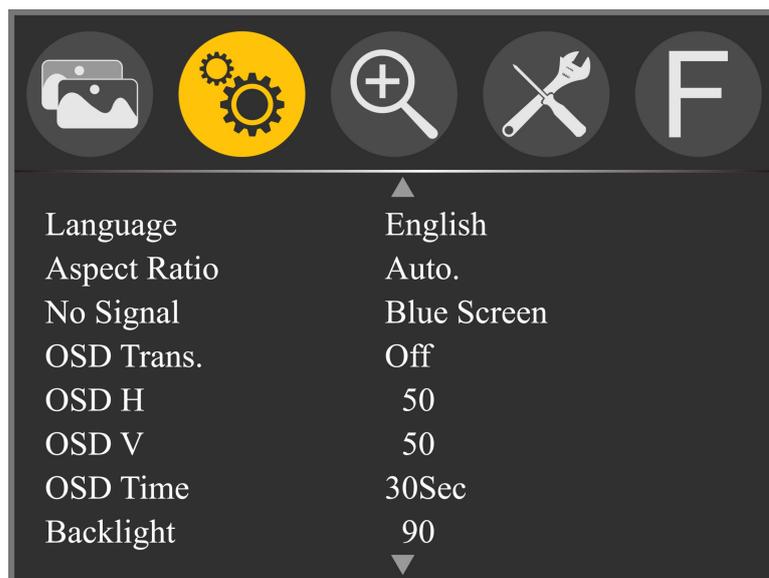
Select image white color temperature of the monitor.

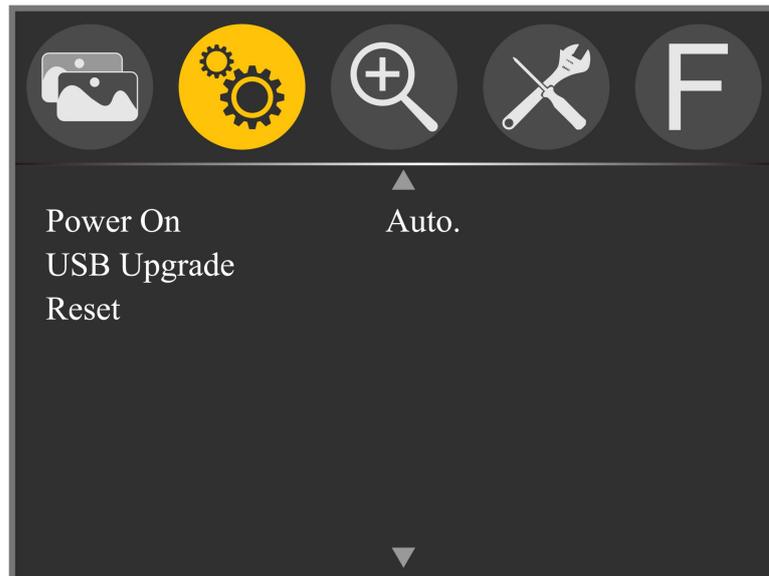
When select 'user', adjust the Red, Green, Blue to meet the different user's requirement for the different Color Temp.

★ **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.

(Note: OLED screen has no backlight adjustment function)

★ 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.

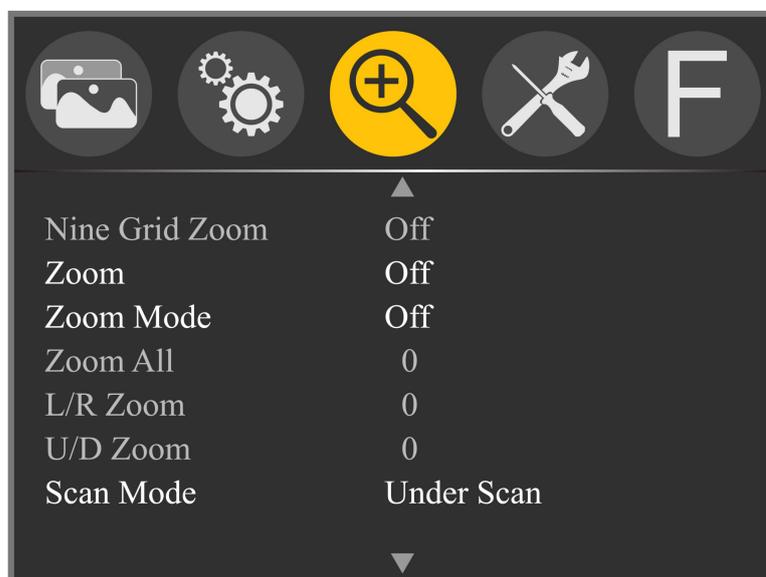
★ USB Upgrade

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 “F1/√” or “F2/∧” button to zoom the image to full screen. Press “F1/√” 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

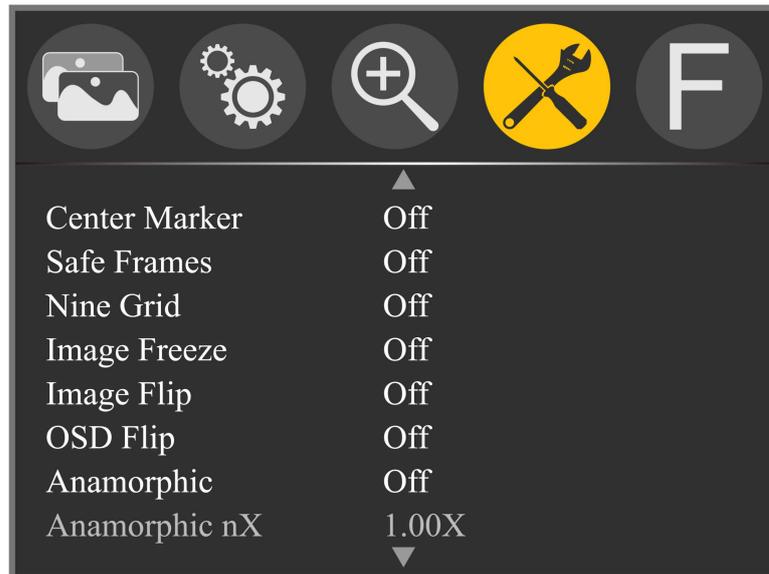
To adjust the proportion of the image Up and Down to Zoom In or Zoom Out.

★ **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**

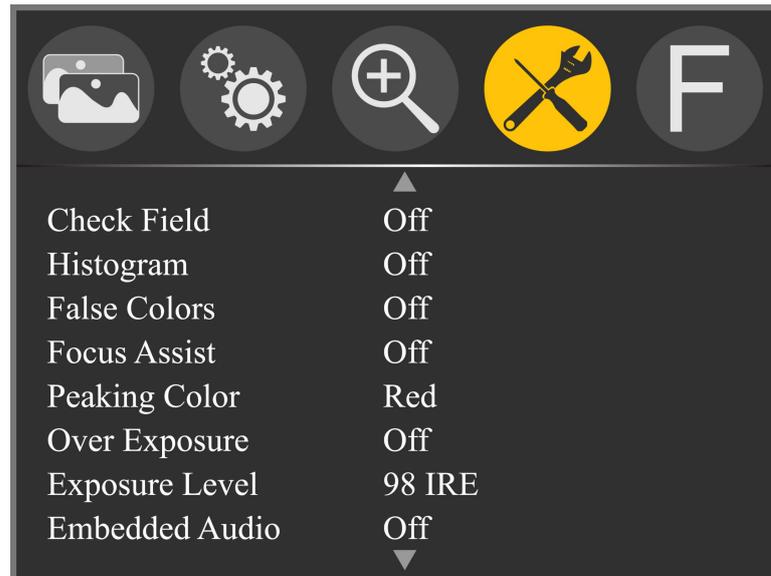
It uses together with some side screen film lens to restore

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.

★ **Over Exposure: Off, On**

To turn on or off this function.

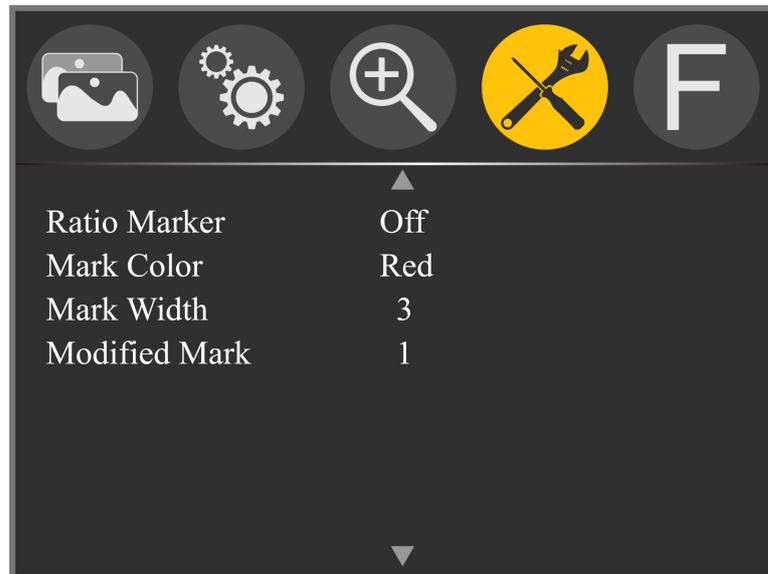
★ **Exposure Level: 1~100 IRE**

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.

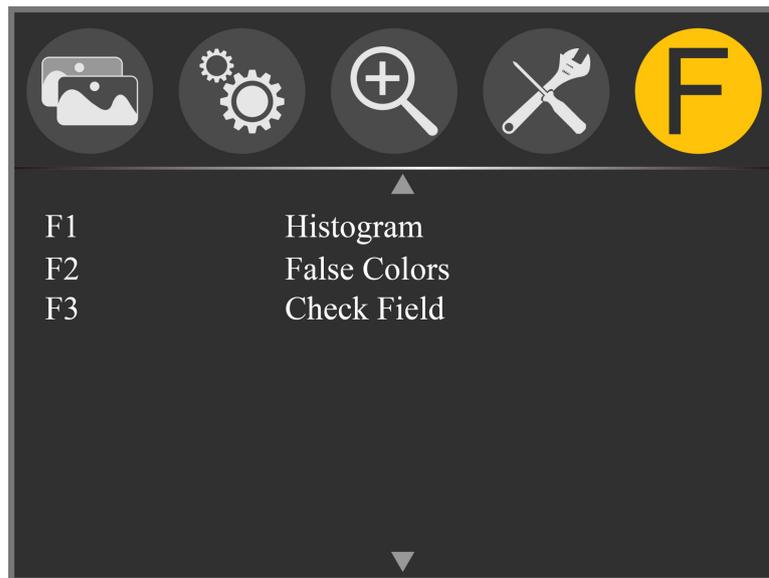
★ **Mark Width: 1~7**

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 “**F**”, press “F1/V” button to select **F1**, press “<” or “>” button to pop-up function items and press “F1/V” or “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**.

4. Technical Parameters

Panel Size	5.5" OLED	5.5" IPS	5.5" IPS
Resolution	1280 x 720 pixels	1920x1080 pixels	1280 x 720 pixels
Dot Pitch	0.096 x 0.032 mm	0.0639 x 0.0213 mm	0.0945 x 0.0315 mm
Aspect Ratio	16:9	16:9	16:9
Brightness	300cd/m ²	500cd/m ²	500cd/m ²
Contrast	3000:1	1000:1	1000:1
Viewing Angle	80°/80°(L/R) 80°/80°(U/D)	80°/80°(L/R) 80°/80°(U/D)	80°/80°(L/R) 80°/80°(U/D)
Backlight	N/A	LED	LED
Input	HDMI		
Output	HDMI, DC OUT 8.4V, Barrel (5.5mm outer, 2.1mm inner)		
Audio	3.5mm Stereo Headphone		
HDMI 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) DCI 4K 4096×2160p (24Hz)		
Input Voltage	DC: 7~24V		
Power Consumption	≦9W		
Battery Plate	F970/ LP-E6 Dual-purpose Battery Plate		
Install Way	1/4-20 mount points (bottom, right)		
Working Temperature	-20℃~55℃		
Storage Temperature	-30℃~65℃		
Unit Size	142Lx87.2Hx27.5D (mm)		
Unit Weight	175g		

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.
- 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 Earphone No sound

- ① Check if Volume control do not open, press the volume button, and try to increase the volume.

■ 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.