# 5.5" OLED VERTICAL MONITOR



# User Manual

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# Foreword

Thank you for purchasing our 5.5-inch OLED vertical monitor. Please read this manual carefully before using the unit. Have a great experience!

# Cautions

● Please avoid the heavy impact and drop onto the ground when move the product.

● 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, and 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.

● In order to better maintain the LCD screen and protect the cover, please follow the following ways to avoid 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.

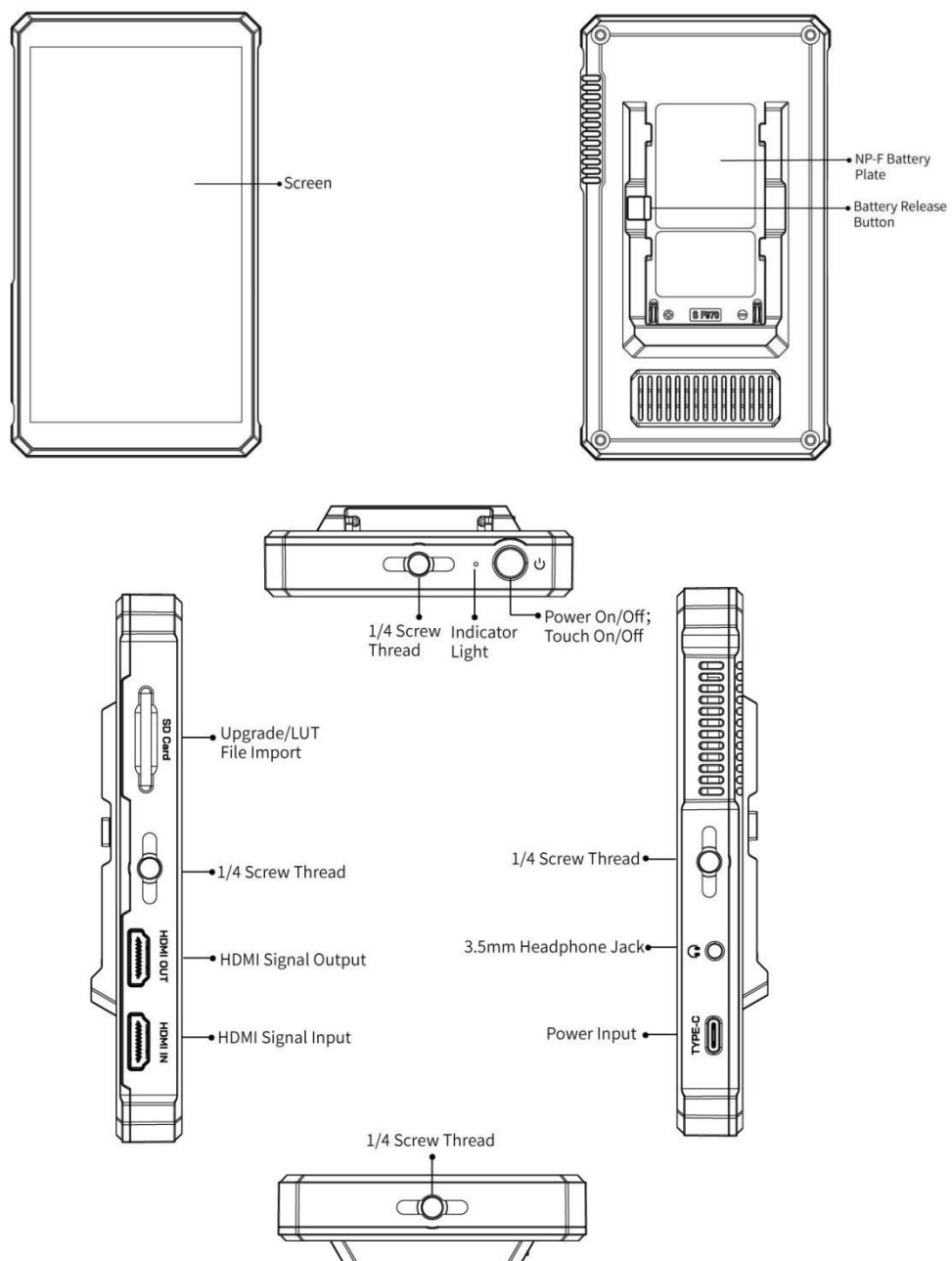  7. Please simply wipe with a clean soft cloth and make sure no water on the screen.

# Key Features

➢ 5.5-inch AMOLED screen, independent light control, ultimate black performance

➢ DCI-P3 100% color gamut, more accurate color presentation

➢ 1,000,000:1 ultra-high contrast ratio, bringing you more realistic and

vivid visual experience

➢ Full touch screen, easy to setup

➢ Supporting menu vertical and horizontal switching

➢ Custom 3D-LUT loaded, preview film look

➢ Stereo Earphone output

## Product Overview



Screen

NP-F Battery Plate

Battery Release Button

1/4 Screw Thread    Indicator Light    Power On/Off; Touch On/Off

SD Card — Upgrade/LUT File Import

1/4 Screw Thread

HDMI OUT — HDMI Signal Output

HDMI IN — HDMI Signal Input

1/4 Screw Thread

3.5mm Headphone Jack

TYPE-C — Power Input

1/4 Screw Thread

## Power Supply Way

(1) There is a USB-C power port on the right of monitor, you can power with the accompanied power adapter

(2) The rear cover of the monitor is equipped with a NP-F battery slot, it can be installed the NP-F series battery

● The battery models including F970 F960 F950 F930 F770 F750 F730 F570 F550 F530 and other specifications.

**Remark: Please take off the battery from the monitor if you don't use the monitor in a long time.**

● **Installation and remove of battery**

1. Insert the battery gently in the direction indicated, then slide it to the left (without releasing). A clicking sound indicates that the battery is securely in place.
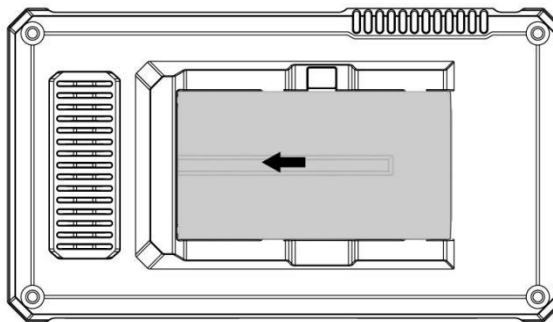


2. To remove the battery,press and hold the battery release button while slide the battery to the right, then remove it.
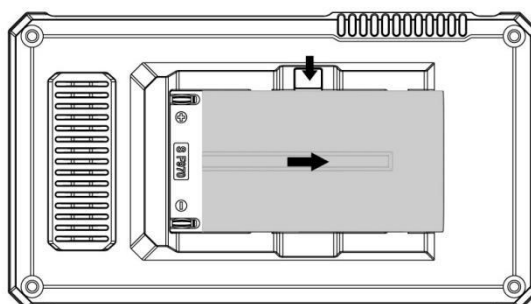
## Connection Method and Cautions for Monitor and Camera

**Preparing before connecting**

- Ensure that both the camera/camcorder and monitor are turned off

- Check if the HDMI interface and cables are clean and intact

- Prepare anti-static wristbands or discharge by touching metal object

  first

- Ensure that the workbench is clean and stable


**Connection of HDMI cable**

1. Using the accompanied HDMI/Micro HDMI cable to connect the HDMI IN
   of the monitor and the HDMI Out of the camera(please purchase extra
   HDMI cable if the HDMI cable is not long enough)

2. Fix the wire to avoid hanging or pulling it

3. Turn on the camera first, and then turn on the monitor. The image of
   camera viewfinder will displayed on the screen of the monitor.

   Please set it to Auto or 16:9 if the camera is designed with an HDMI
   output setting function.

4. When shutting down, first turn off the monitor, wait for it to completely
   shut down, and then turn off the camera.
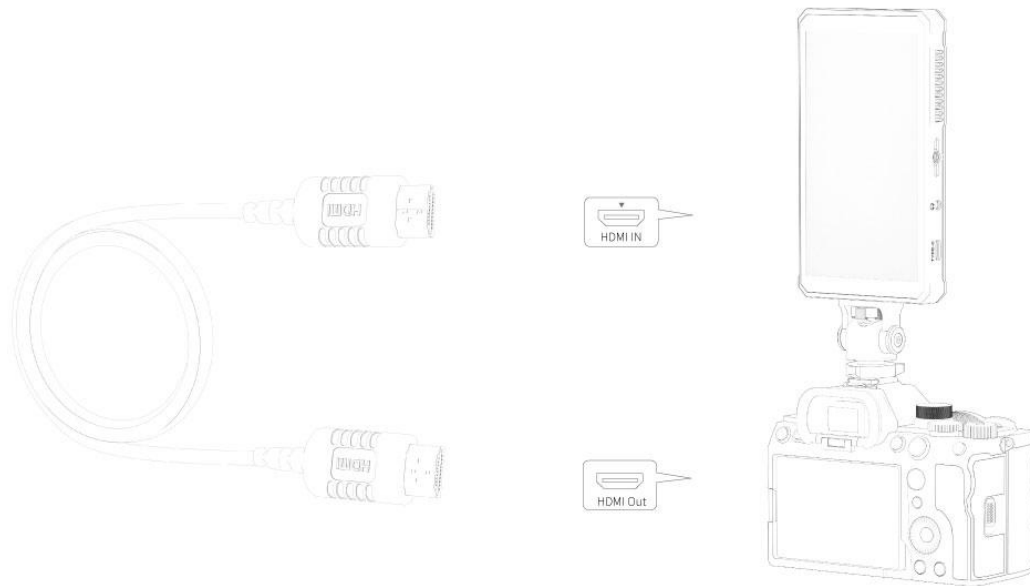
## Using cautions

- When moving the device, be careful not to trip over the wires, which may
  cause hot plugging or unplugging

- Regularly check whether the HDMI interface and HDMI cables are worn or
  blocked by foreign objects

- It is recommended to disconnect when not in use to protect the cables
  and interfaces

## Physical protection measures

- Use HDMI cable fixing clips or brackets

-The wire should have an appropriate margin to avoid being too tight

-Consider using an L-shaped HDMI connector to reduce the pressure on the

HDMI interface

-You can use an HDMI adapter to protect the HDMI interface on the

camera and avoid damage to the HDMI interface caused by frequent

plugging and unplugging


**Regular maintenance**

-Check if there is dust accumulation on the interface

-Is the equipment voltage stable

-Confirm that the wire is not damaged or bent

-Is the fixing device still securely fastened

-Are all screws securely fastened

These measures can significantly reduce the risk of equipment damage and

extend its service life.


## Installation of Mini Hot Shoe Mount Adapter

1.Select the direction in which the adapter is mounted according to the
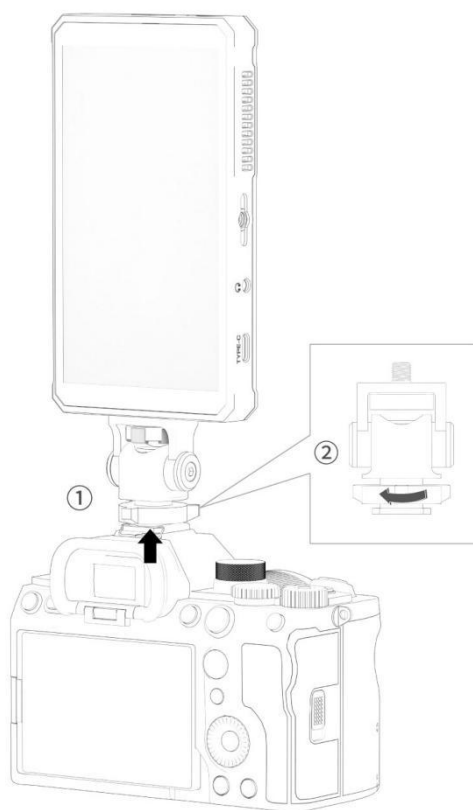
   shape of hot shoe on the camera
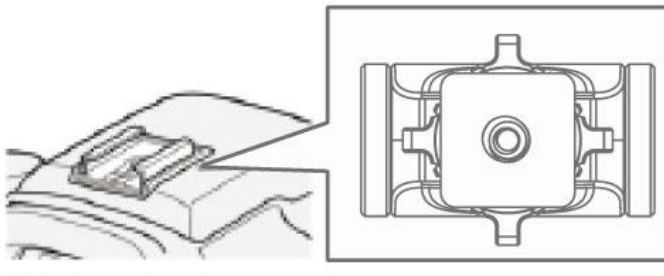


2.Align the 1/4 screw of the adapter with the 1/4 screw hole on the device.

3.Tighten the adjustment knob of the adapter
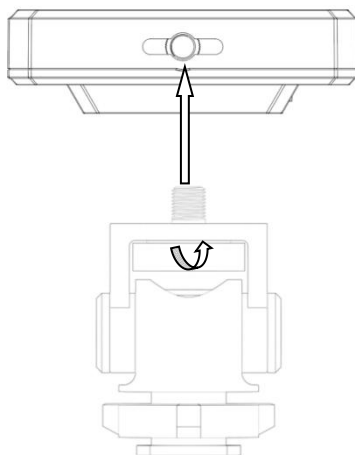
4.① Fully insert the base of the adapter into the universal hot shoe base in

the direction shown in the figure.

②Tighten the rotary table of the adapter to fix it on the camera



Note: If using a camera with a pop-up built-in flash, please turn off the
built-in flash of camera. If the camera is designed with a built-in
auto flash function, please turn off this function.
Please remove this device from the camera before using the flash.

# Menu Operation Instruction

After the monitor is correctly connected to the power supply, the indicator light is on (red). Long press ⏻ turn on power , the indicator light turns yellow, and after the HDMI signal is input, the indicator light turns green.

After startup, short press ⏻ button to select to turn the screen touch function on or off.

**Touch Screen Menu Operation (Vertical mode)**

①．Double-click on the screen to open the main menu (show on the left side of the screen) and click on the corresponding menu to display the secondary menu. You can enter the corresponding function option and click directly to select or set. Click the touch screen to exit the menu.

②．When the menu is not displayed, swipe up from the bottom of the screen to open the shortcut menu, swipe left or right select the needed function and click on the corresponding menu box to turn on or turn off the corresponding function.

③．When the menu is not displayed, on the above side of the screen (1/2 split screen), you can directly adjust the brightness of the screen backlight; on the below side of the screen (1/2 split screen), you can directly adjust the volume.
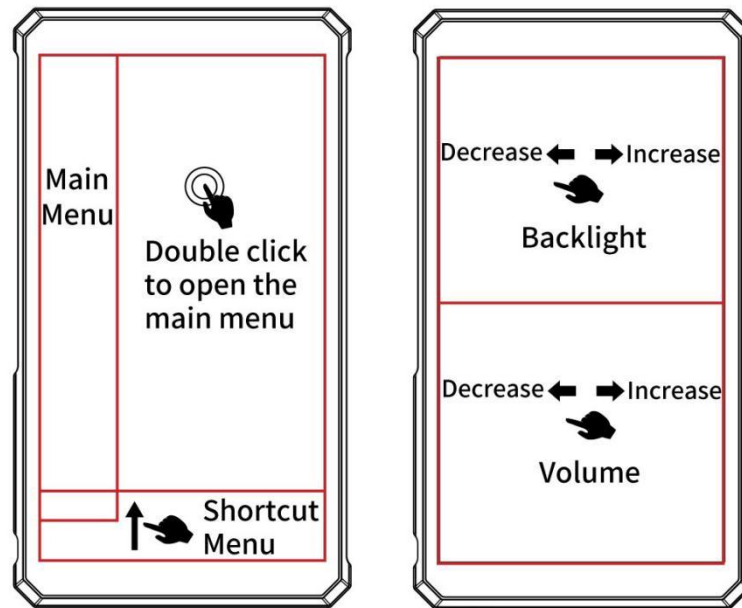
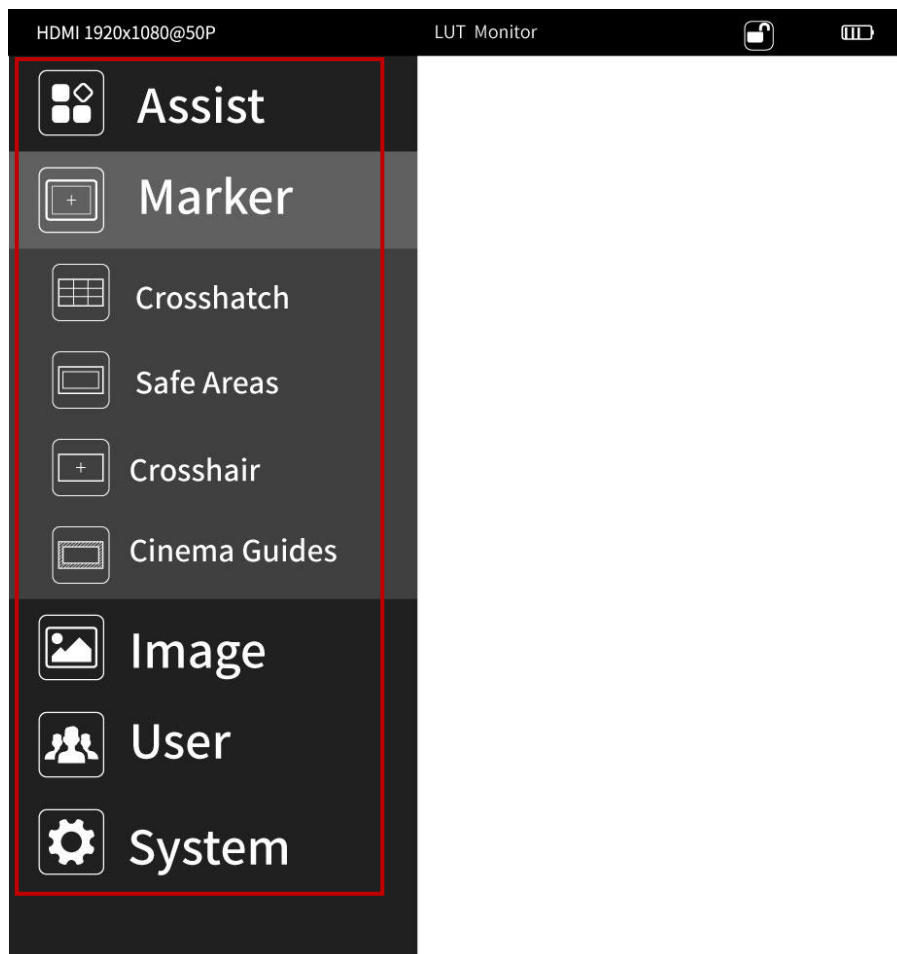**Touch Screen Menu Operation (Horizontal mode)**

①．Double-click on the screen to open the main menu (show on the left side of the screen) and click on the corresponding menu to display the secondary menu. You can enter the corresponding function option and click directly to select or set. Click the touch screen to exit the menu.

②．When the menu is not displayed, swipe up from the bottom of the screen to open the shortcut menu, swipe left or right select the needed function and click on the corresponding menu box to turn on or turn off the corresponding function.

③．When the menu is not displayed, on the left side of the screen (1/2 split screen), you can directly adjust the brightness of the screen backlight; on the right side of the screen (1/2 split screen), you can directly adjust the volume.

**Figure:**
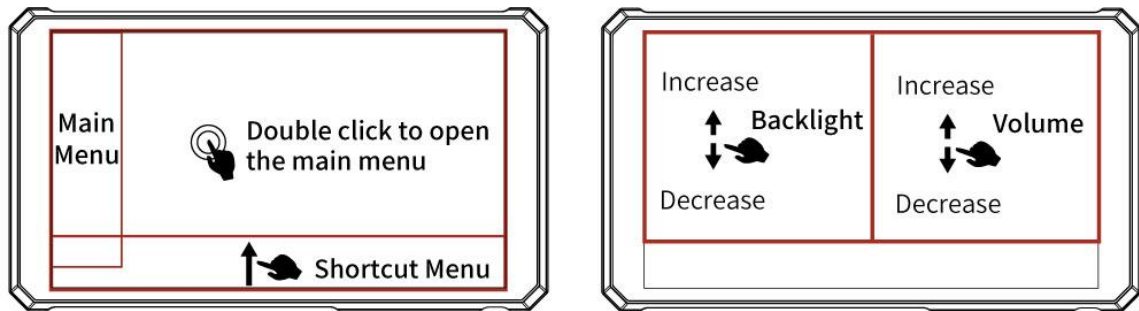


# Menu Function Instruction

The main menu including 5 parts: Assist, Marker, Image, User, System

**Assist**

| | |
|---|---|
| **Analysis** | **Off, On**<br><br>After turning on, waveform, vector, histogram and embedded audio will be shown. |
| **Waveform** | **Off, On**<br>**Type：RGB、YUV、Y**<br>This essential feature assists with the calibration of professional video cameras. It shows the overall brightness of the image assisting the video professional in correcting exposure. The waveform feature also checks the evenness of the lighting when lighting a chromakey or background. |
| **Vectorscope** | **Off, On**<br><br>shows how saturated the image is and where the pixels in the image land on the color spectrum. |
| **Histogram** | **Y Histogram: Off, On**<br>**RGB Histogram: Off, On**<br><br>Y Histogram: A quantitative tool to check the picture brightness, display different color for different brightness.<br><br>RGB Histogram:It can display the graphic of color tone distribution, can intuitively display the exposure status of the image, and display overlapping histograms in red, green, and blue channels |
| **Focus Assist** | **Focus Assist: Off, On**<br>**Focus Color：（Yellow, Red, Green, Blue, White）**<br>**Peaking Level：you can adjust the peaking level after turning on（1～8）**<br>It highlights the areas that are in focus so you are able to quickly focus |

| | |
|---|---|
| | the camera and not miss crucial shots. |
| **Audio Meters** | **Off, On**<br>The Audio Level Meters provide numerical indicators and headroom levels. |
| **Zebra** | **Off, On**<br>**Zebra Level：you can adjust the zebra level after turning on（0~100）**<br>Areas of the image over a certain threshold are filled with a striped pattern to dramatically highlight areas where too much light is falling on the image sensor. |
| **Check Field** | **Monochrome Display: Off, On**<br>**Monochrome Display Color：Red, Green, Blue, Gray**<br>When enabled, hue and saturation adjusted quickly and accurately |
| **False Color** | **Off, On**<br>**Type: Spectrum、ARRI**<br>An image that depicts an object in colors that differ from those a photograph (a true color image) would show. |

 **Marker**

| | |
|---|---|
| **Crosshatch** | **Off, On**<br>**Type: 3x3, 4x4, 5x3, 5x5, 6x4, 6x6**<br>**Color: Yellow, Magenta, Cyan,Red, Green, Blue, White**<br>The area of the picture can be divided into 9, 16, 15, 25, 24, 36, equal grids. |
| **Safe Areas** | **Off, On**<br>**Type: 70%, 80%, 90%, 16:9, 16:10, 4:3, 5:4, 1:1, 1.91:1.1, 4:5, 9:16, 1.85:1 ,2.35:1** |

| | Color: Yellow, Magenta, Cyan,Red, Green, Blue, White |
|---|---|
| **Crosshair** | **Off, On**<br><br>**Marker Line Color：Yellow, Magenta, Cyan,Red, Green, Blue, White** |
| **Cinema Guides** | **Off, On**<br><br>**Type: 16:9、 16:10、 4:3、 1.85:1、 2.35:1、 2.41:1、 1.91:1、 5:4、 1:1.9**<br><br>**Color: Yellow, Magenta, Cyan,Red, Green, Blue, White**<br><br>**Marker Mat Alpha：0%~75%** |

**Image**

| | |
|---|---|
| **Scan Mode** | **Under Scan, Over Scan** |
| **Aspect Ratio** | **Off, On**<br><br>**Type: Auto, 16:9, 16:10, 4:3, 5:4, 1.85:1, 2.35:1,User**<br><br>Under the "**user**", you can customize the **Video Width (100% ~ 300%)**, **Video Height (100% ~ 300%)**<br><br>Provides a wide variety of aspect ratio to match different camera anamorphic lenses. |
| **Anamorphic** | **Lens Off, On**<br><br>**Lens Type：Auto, 1.25X, 1.33X, 1.5X,1.6X, 1.8X, 2.0X, 2.0X MAG**<br><br>Allows you to use anamorphic lenses or adapters and see the image unsqueezed, even if your camera does not de-squeeze in camera. |
| | **Screen Flip: Fixed, Auto**<br><br>**Video Mirror: Default, Lateral Mirror, 180°，Vertical Mirror** |

| | |
|---|---|
| **Screen Flip** | **Menu Direction**<br><br>**Horizontal ↑, Horizontal ↓, Vertical↑, Vertical ↓**<br><br>Note: When select Auto, the screen and video will flip automatically;<br><br>When select Fixed, you can set by manually |
| **Zoom Times** | **Image Zoom: Off, On**<br><br>Zoom Times:100%～500%<br><br>It is HD signal in any part, an amplification for high quality close-up. |
| **Image Freeze** | **Off, On** |
| **Pixel to Pixel** | **Off, On**<br><br>Enable the filmmaker to check the image from the 1:1 signal source<br><br>without scaling.This feature is essential for capturing optimum detail. |

## User Option

| | |
|---|---|
| **LUT Import** | Lut Import (SD) |
| **LUT** | **LUT Switch: Off, On**<br><br>**LUT List (display the 4 built-in LUT and the imported custom LUT)**<br><br>**SLOG2**<br><br>**SLOG3**<br><br>**LOGC**<br><br>**VLOG**<br><br>LUT is a table for quickly looking up and output specific color data.<br><br>By loading different 3D-LUT tables, it can quickly recombine color |

| | |
|---|---|
| | tone to form different color styles |
| **Display Setup** | **Brightness：0~100**<br><br>Adjust the image brightness<br><br>**Contrast：0~100**<br><br>Adjustment of the ratio between the brightest and darkest parts of the image . When adjusting, pay attention to the sense of hierarchy in the image. If the proportion is too large or too small, it can cause the image to lose its colorful appearance.<br><br>**Saturation：0~100**<br><br>Adjustment of color concentration<br><br>**Hue：0~100**<br><br>**Sharpness: 0~100**<br><br>**Backlight：0~100**<br><br>Adjust the screen brightness |
| **Color** | **Color Space: REC709, DCIP3, BT2020**<br>**Color Temp.: 5600K, 6500K, 9300K, User**<br>Under the **User**, the red, green and blue of the image can be adjusted (0~255), made the colors of the image achieve your favorite. |

## System

| | |
|---|---|
| **Language** | **English、中文、Français、Deutsch、Italiano、Español、日本語、한국、Русский、Português** |

| | |
|---|---|
| **OSD**<br><br>**OSD Setup** | **OSD Time：Always, 5s、10s、15s、20s、25s**<br><br>Select the display time of the menu on the screen<br><br>**OSD Alpha: Off, Low, Middle, High**<br><br>Adjust the transparency of the menu picture background on the screen |
| **Volume** | **Off, On**<br><br>0~100<br><br>Adjusting the speaker volume |
| **Power Display** | **Off, On**<br><br>The right corner of the monitor will be shown the battery level icon<br><br>after turning on |
| **Firmware Update** | **Current:** (display the version number)<br>**Update: Click to firmware update**<br>**Restore:**After clicked "Restore",the system back to original setting. |

## Shortcut Menu Column



The user can call up the shortcut menu by swipe up from the bottom of the screen, and click on the corresponding menu box to open or set

the corresponding function.

Click ▦ icon to display the detailed parameters setup,click ⌄ the

hide icon to close detailed parameters; click ＜ , ＞ to browse more

shortcut functions.

## Status Colum
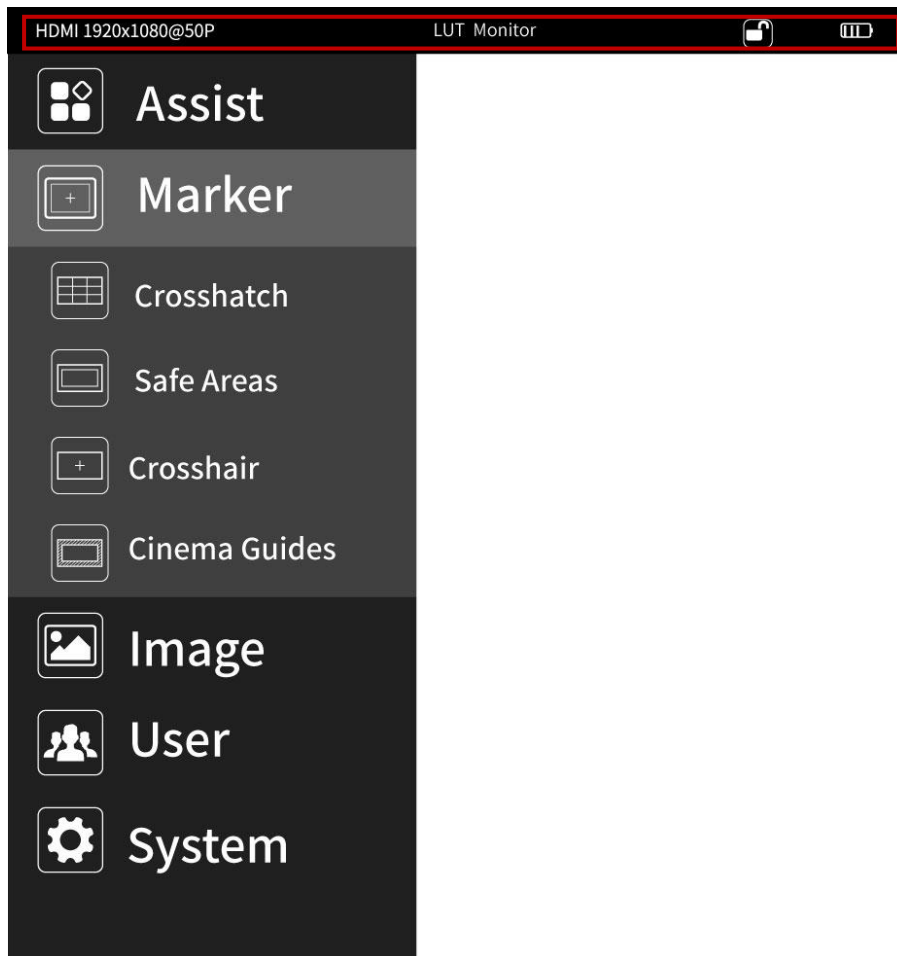
**HDMI:** Display the resolution of HDMI input resolution,e.g.:HDMI 1920x1080@50p

LUT Monitor: When LUT function is turn off, it will display LUT Monitor, when LUT
function is turn on, it will display the current LUT such as SLOG

⬜/🔒**:** Display the status of touch function

▥ : When install battery to power supply, it can display the battery level
(you can enter main menu **System--Power display** to turn on or turn
off)

# How to Load LUT

## 1. SD card format

Support FAT32 or NTFS. For MAC system, the SD card should be

formatted in MS-DOS (FAT)

## 2. Max Files Limit Maximum 32 Lut files

## 3. File requirements

- The LUT file format suffix should be .cube
- Single file not exceeded to 7.9Mb
- Support LUT-3D-Size 16,17,32,33,64,65

Remark: LUT file name must be English or Arabic numerals

## 4. Steps for loading

4.1 Make sure the SD card correctly insert

4.2 Enter main menu **"User Option"**--**LUT Import--Lut Import (SD)** to load

the monitor will auto detect the SD card

A.  There is no SD Card, the screen will show failed,can try once more,if not work, restart the monitor and try again

B.  There is SD Card, the monitor will erase the exits user's lut fill and show "Initializing" , If there is no valid lut file in SD card, the lut will not load.The monitor will show "clean up"

C.  If there is valid lut file in SD card, the monitor will load lut files and show "[n] name. The [n] shows the quantity number. The "name" should in lut files' name. If load successful, the screen will show "complete[n]". [n] Stands for the quantity number for lut files should under 32.

# Firmware Update

We usually do not recommend to upgrade casually.If really need, please connect after-sale or other person to get the relevant upgrade file

1. Use a SD card with FAT32 or NTFS format, for MAC system, the SD card should be formatted in MS-DOS (FAT). Copy the upgrade file to the SD card .

2. Turning on the monitor, insert the SD card to SD card slot of the device (the chip should be faced up when inserting the SD card, and press it after inserting to ensure that the SD card is fully inserted).

3. Enter the menu, select **System--Firmware Update--Update**, click "Update" to start to upgrade.

4. The monitor will shut down automatically when finished, please reboot manually

5. Check whether the latest version

Remark: Please keep the device is powered on in the whole upgrading

# Technical Parameters

| Panel Size | AMOLED 5.5-inch (touch) |
|---|---|
| Resolution | 1080 x1920 pixels |
| Dot Pitch | 94.8(W) × 63.2(H) um |
| Aspect Ratio | 9:16 |
| Color Display | 16.7M (8 bit) |
| Frame rate | 60Hz |
| Brightness | 550cd/m$^2$ |
| Contrast | 1,000,000:1 |

| Input | HDMI 2.0 |
|---|---|
| Output | HDMI 2.0 |
| Audio | 3.5mm stereo headphone jack |
| Other Interface | SD Card Slot (firmware update/LUT file import) |
| Power In | USB-C<br>Note: please use 5V/2A or more than 2A Type-C power supply |
| HDMI Input/ Output Support Format | 480i/576i/480p/576p<br>720p (60/59.94/50/30/29.97/25/24/23.98)<br>1080i (60/59.94/50)<br>1080p (60/59.94/50/30/29.97/25/24/23.98)<br>3840×2160p (60/50/30/29.97/25/24/23.98)<br>4096×2160p (60/50/30/29.97/25/24/23.98) |
| Power Consumption | ≦10W |
| Unit Size (mm) | 144x81x23.9 (mm) |
| Unit Weight | 148g |
| Mount Points | ¼-20 thread points (Left, right, top,bottom) |
| Working Temperature | -20℃～60℃ |
| Storage Temperature | -30℃～70℃ |

# Trouble Shooting

**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.

**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.

## 3. Earphone No sound

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.