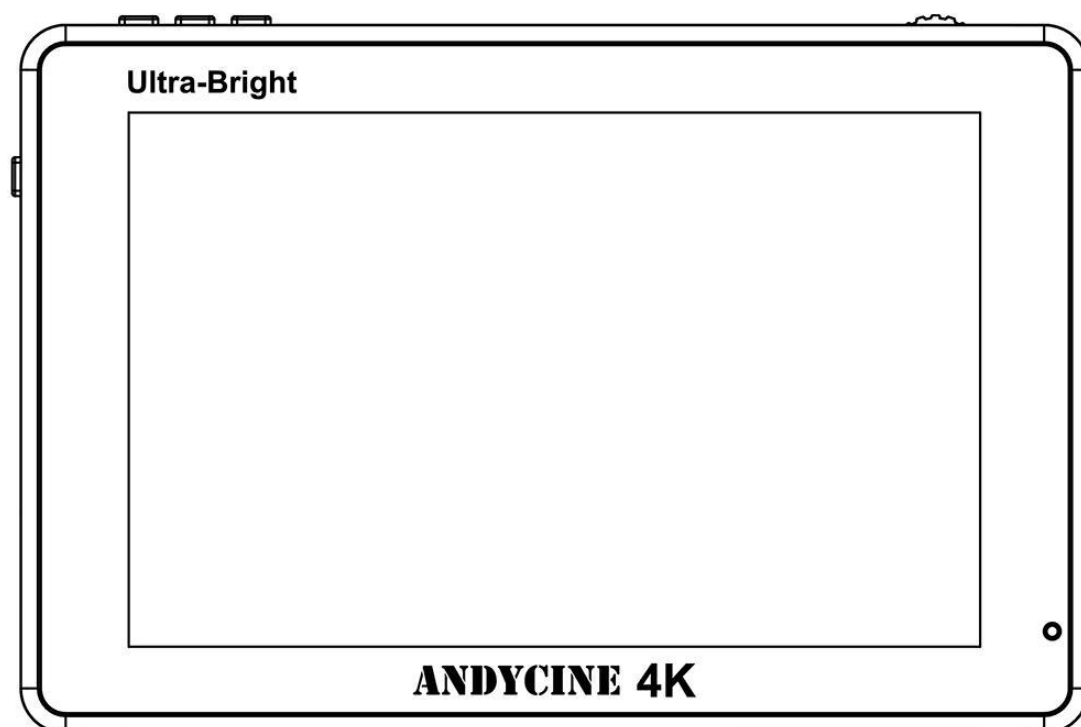


ANDYCINE C7

7" Ultra-bright Camera Monitor

4K HDMI/3D LUT/Touch Screen



Guide Manual

Thank you for choosing ANDYCINE monitor.

Please read this manual carefully before you use

Overview

*Featuring a 323 PPI (pixels-per-inch) IPS LCD panel, the **C7 7" 4K HDMI Monitor** from **ANDYCINE** displays DCI 4K video. The LCD panel boasts a 1920 x 1200 resolution, 16:10 aspect ratio, 1200:1 contrast ratio, and a 2200 cd/m² measured brightness for easy viewing outdoors as well as indoors. The touchscreen allows you to quickly access your settings, and the IPS LCD provides good off-axis viewing, allowing you to see the image without being directly in front of the monitor and not experiencing distorted colors or contrast. The monitor's chassis is both thin and light at about an inch thick and weighing only 1 lb.*

On the side edge of the monitor you'll find HDMI input and output connections, while the headphones and external DC power input reside on the opposite edge. Along the bottom edge is the 1/4"-20 threaded mounting hole, and the control buttons reside along the top edge of the monitor. The back of the monitor features a dual L-series/NP-F970 battery plate to provide ample power.

The C7 supports custom 3D LUTs to accurately view the camera color on screen, and it supports professional Rec.709 color calibration technology. With the new Analysis feature you can now simultaneously see what you are shooting, view a waveform, histogram and vectorscope, ensuring complete control of your image. You can even switch between different waveform, histogram and vector scope options on the fly with a single touch.

CARING FOR YOUR C7 MONITOR

- Do not attempt to disassemble the monitor. Doing so will void the warranty.
- Water damage is not covered by warranty, but taking the right precautions during a such event occurs can sometimes preserve unit functionality.
- Clean the screen with a high quality microfiber cloth only. Never spray the screen directly with any sort of cleaning fluid.
- Keep away from heat source and avoid long exposure to the sun.
- Do not cover the vents in case of overheating problems.
- For better product lifetime, try not to have impact, crush or scratch on the monitor.

If you have more questions, please contact Andycine:

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Twitter: [@andycinegear](https://twitter.com/andycinegear)

Features

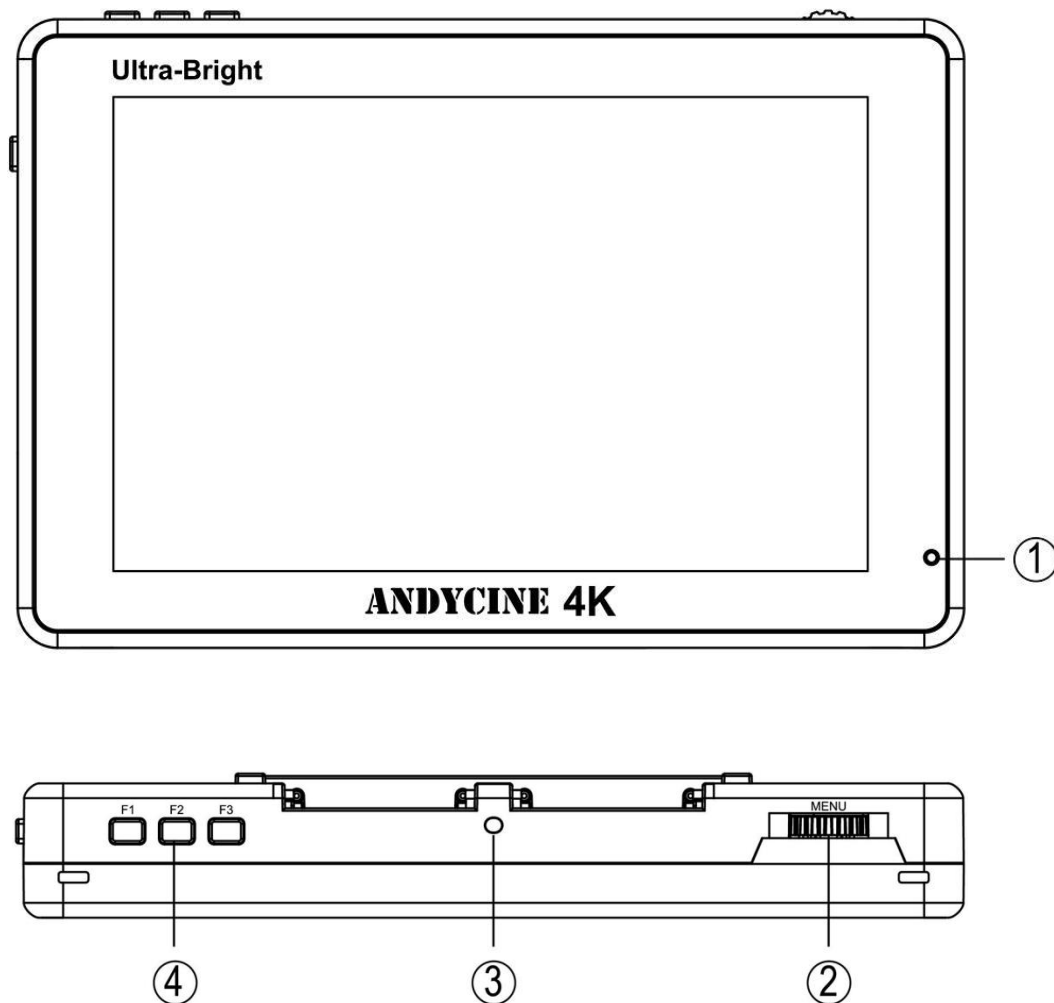
- Touch screen menu operation
- Support 3D LUT Log to REC.709 and user 3D LUT upload
- 7inch 1920x1200 full HD IPS screen
- 2200nits Daylight Viewable (Light Sensor)
- All Waves display, Parade, Vector, RGB Histogram functions
- Histogram is a quantitative tool to inspect the image brightness, to help guide the exposure control
- Focus Assist (red, green, blue - three peaking colors optional)
- Audio Meter
- Zebra and False Color function, convenient for lighting adjustment's need when shooting and the post production
- Monochrome (red, green, blue, mono)
- Image Zoom-in function
- Anamorphic dequeeze Mode
- Image Flip H and Flip V
- Image Freeze
- Pixel to Pixel
- Marker Mat, Center Marker and Safety Marker
- Brightness, Contrast, Sharpness, Hue, Saturation and Color Temp Adjustment.
- Stereo Earphone output
- DC 8.4V power out to power your DSLR camera or mirrorless camera

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1.Product Description

1.1Button Instruction



①. **Indicator Light:** After connecting the power, the indicator light is on (red). It turns yellow after the monitor turning on. After the signal is connected, it turns green.

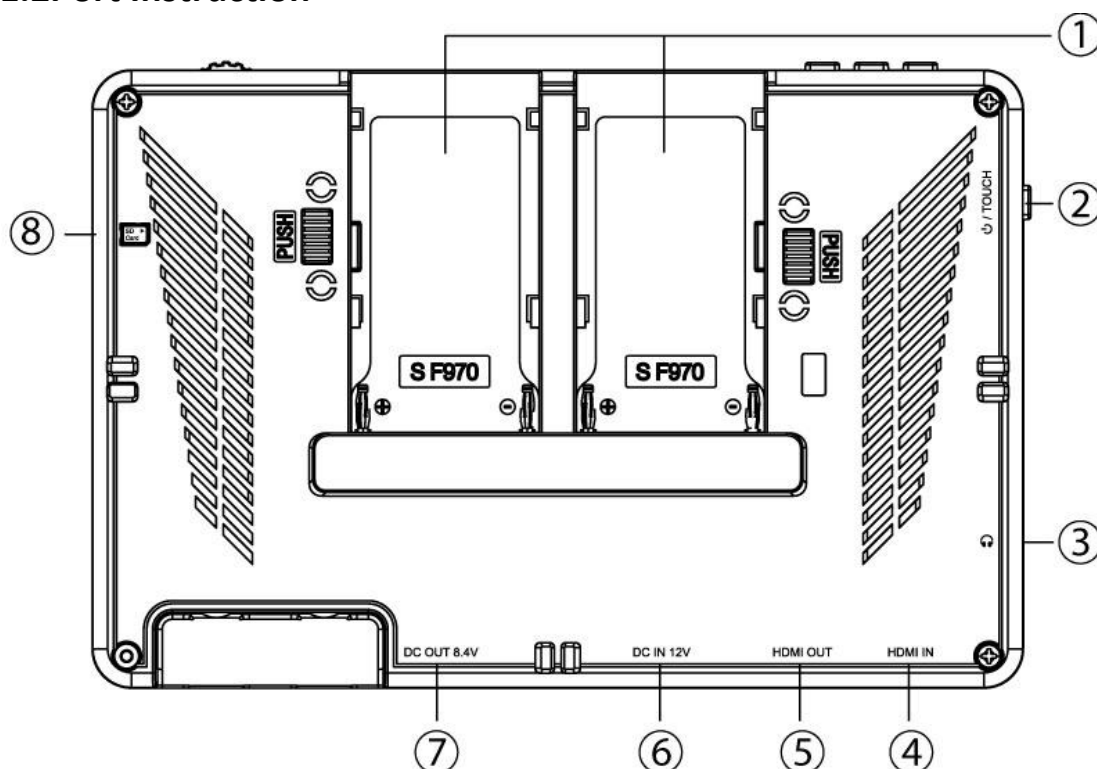
②. **MENU:** See details: **3.1 MENU Wheel Menu Operation** in **3. Menu Operation Instruction.**

③. **Light Sensor:** Set the backlight to Auto via **User--Options--**

Display Adjustment--Backlight, the backlight can be adjusted automatically by the light sensor.

④. **F1 ~ F3:** Custom function buttons

1.2Port Instruction



①. Dual F970 Battery Plates

②. Power / Touch Function Button

Long press to turn on / off; short press to turn on / off the screen touch function.

③. 3.5mm Headphone Jack

④. HDMI IN

⑤. HDMI OUT

⑥. DC 12V Power Input

⑦. DC OUT 8.4V Power Output

Connect the optional dummy battery cable to power camera.

⑧. SD Card Slot

3DLUT upload via SD card and for firmware upgrade

1.3Power Supply Way

(1) The rear cover of the monitor is equipped with dual F970 battery plate, which is applicable to F970 series of batteries.

Sony F970 battery plate for the following batteries:

Sony F970 F960 F950 F930 F770 F750 F730 F570 F550 F530 series

NOTE: Different battery specifications will have different capability.

The battery power may be different. Higher capability (working time)

will provide longer power. Please remove the battery from the monitor if you don't use the monitor for a long time.

●Battery switching instruction

- When the battery/batteries is/are placed in the battery slot(s), battery icon will appear on the upper right of the screen.
- **White battery icon:** working; Gray battery icon: not working.
- **Manually switching:** Tap the gray battery icon and it will be switched to a working state, and it will be turned white.
- **Automatically switching:** Automatically switch to another charged battery when one battery is exhausted.

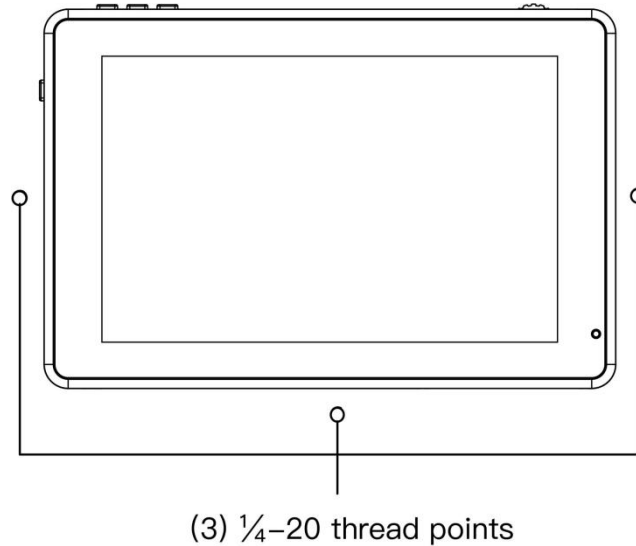
(2) **DC IN 12V:** DC power input, input power polarity:  ,
Barrel (5.5mm outer, 2.1mm inner) located at the
bottom of the monitor, DC 7~24V Input.

(3) **DC OUT 8.4V:** DC power output interface, output power
polarity: 

Barrel output for powering your camera with a separately available DC coupler adaptor (currently NP-FW50 Sony & LP-E6 Canon&DMW-BLF19 Panasonic). More adapters coming soon

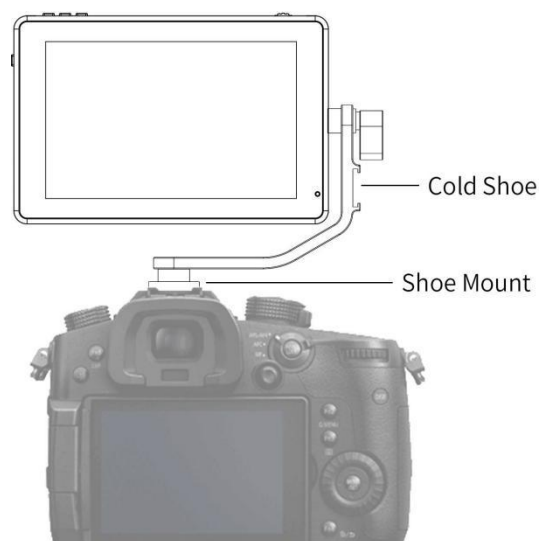
1.4 Mount Points

There are (3) 1/4"-20 thread points (top, bottom, & right side) can be easily connected to the hot shoe mount, or tripod.



Tilt Arm Mounting

The monitor can secure to your camera using the included Tilt Arm to camera's hot shoe mount or 1/4"-20 thread. The Tilt Arm enables 180° tilt for monitoring at nearly any angle. An additional cold shoe on the Tilt Arm allows you secure equipment (like a microphone, LED light, or wireless receiver).



2. Menu Operation Instruction

After the monitor is properly connected to the power supply, the indicator light is on (red). The monitor default to turn on automatically, the indicator turns Yellow, and then input HDMI signal, the indicator will turn Green.

You can also set the power to Manually in menu **System--Power setting**.

After setting, you need to long press  / TOUCH to turn on the monitor when plug the power supply.

2.1 Touch Screen Menu Operation (turn on the screen touch function)

There are two ways to set the touch function

- Short press  / TOUCH to turn the screen touch function on or off.

- You can set any of the top F1~F3 of the monitor as the touch switch, enter the menu - **User Options - Shortcut Key - F1/F2/F3- Touch Switch**, and directly press the F shortcut key to turn on or off the touch function after setting.

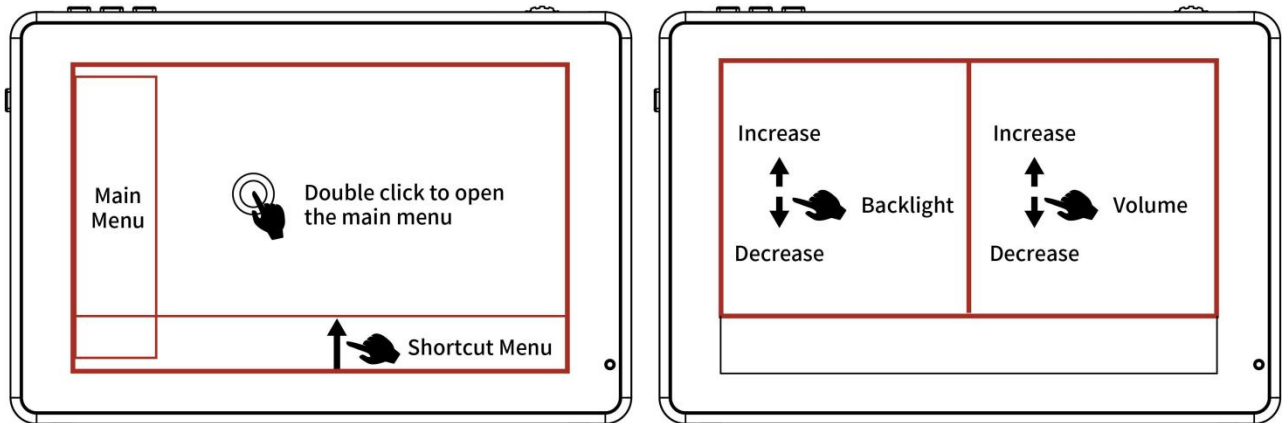
①. Double-click on the screen to open the main menu (show on the left side of the screen) and click on the corresponding menu to display the secondary menu. You can enter the corresponding function option and click directly to select or set. Click the touch screen to exit the menu.

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:



2.2MENU Wheel Menu Operation

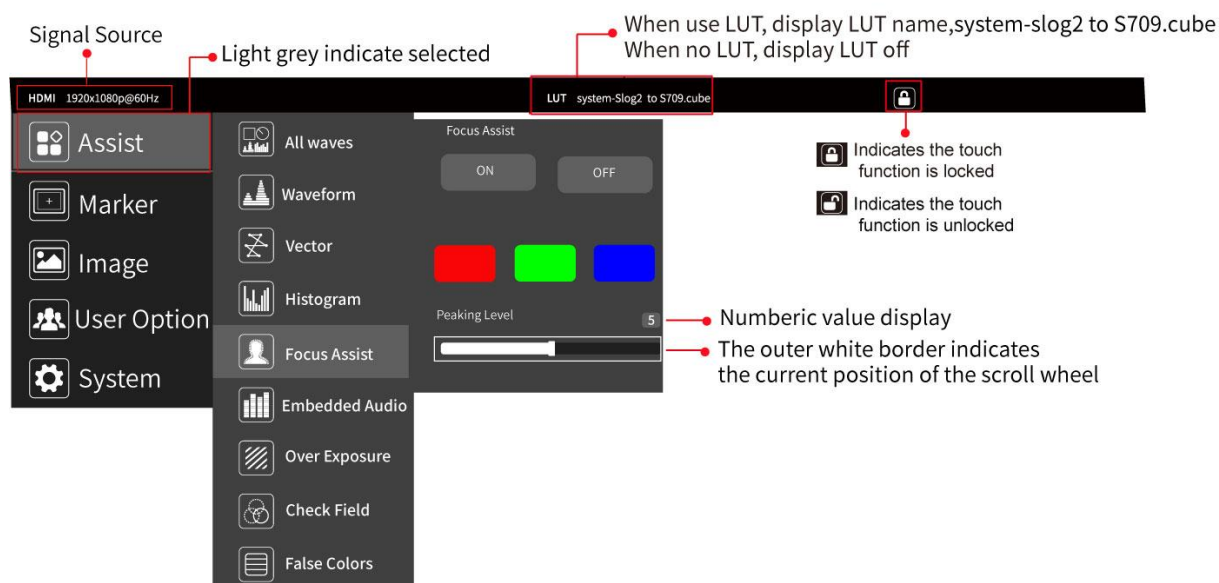
①. When the menu is not displayed, directly rotate menu knob to adjust the volume or backlight. You can set in the **Left Right**

Key Set of menu User Option

②. Gently press the MENU wheel to open the main menu (on the left side of the screen). Rotate the wheel to select the secondary function menu. After selecting it, press the wheel, then rotate the wheel to select or set the option function.

③. Long press the MENU wheel to return or exit the menu

2.3 MENU Interface



3. Menu Function Instruction



Assist

 All Waves	On, Off After turning on, waveform, vector, histogram and embedded audio will be shown.
 Waveform	On, Off Mode: RGB、YUV、Y Position X: 0~100 (moving the waveform horizontally) Position Y: 0~100 (moving the waveform vertically) Waves Trans.: Off, 25%, 50%, 75% 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.
 Vector	On, Off Position X: 0~100 (moving the Vector horizontally) Position Y: 0~100 (moving the Vector vertically) shows how saturated the image is and where the pixels in the image land on the color spectrum.
 Histogram	On, Off Mode: RGB1、 RGB2、 Y Position X: 0~100 (moving the histogram horizontally) Position Y: 0~100 (moving the histogram vertically) 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 Y Histogram: A quantitative tool to check the picture brightness, display different color for different brightness.
 Focus Assist	On, Off Color: (Red, Green, Blue) Peaking Level: you can adjust the peaking level after turning on (1 ~ 10) It highlights the areas that are in focus so you are able to quickly focus the camera and not miss crucial shots.
 Embedded Audio	On, Off Position X: 0~100 (moving the audio level horizontally) Position Y: 0~100 (moving the audio level vertically) The Audio Level Meters provide numerical indicators and headroom levels.
 Zebra Pattern	On, Off Threshold Value: you can adjust the threshold value after turning on (10~100) 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	On, Off Mode: Red, Green, Blue, Mono When enabled, hue and saturation adjusted quickly and accurately
 False Colors	On, Off Mode: Normal, ARRI An image that depicts an object in colors that differ from those a photograph (a true color image) would show.



Marker

 Grid	On, Off Mode: 2x2,3x3,4x4,5x5,6x6,7x7,8x8,9x9, Custom Rows: 2~9 Columns: 2~9 When selecting Custom , you can custom the rows and columns of the grid Color: Red, Green, Blue, Black, White, Gray The area of the picture can be divided into 4, 9, 16, 25, 36, 49, 64, 81 equal grids.
 Safe Frames	On, Off Mode: 80%, 85%, 90%, 93%, 96%, 2.35:1, 9:16 Color: Red, Green, Blue, Black, White, Gray
 Center Marker	On, Off Color: Red, Green, Blue, Black, White, Gray
	On, Off

Ratio Marker	Mode: 4:3、13:9、14:9、15:9、16:9、1.85:1、2.35:1、9:16 Color: Red, Green, Blue, Black, White, Gray Modified Mark: 0~5
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Image

 Scan Mode	Under Scan, Over Scan
 Aspect Ratio	Auto, 16:9, 16:10, 4:3, 5:4, 1.85:1, 2.35:1, Full Screen Provides a wide variety of aspect ratio to match different camera anamorphic lenses.
 Anamorphic	On, Off Mode: 1.33X, 1.6X, 2.0X, 2.0X MAG, User Under the User , can be customized (1.20X~2.00X) Allows you to use anamorphic lenses or adapters and see the image unsqueezed, even if your camera does not de-squeeze in camera.
 Image Flip	Auto, Manual (when select Manual, you can set below options) On, Off Mode: H Flip, V Flip, H_V Flip
 Zoom Mode	On, Off Mode: 2X、4X、9X、16X、User Under the User , can be customized (100%~200%) It is HD signal in any part, an amplification for high quality close-up.
 Image Freeze	On, Off

 P2P	On, Off Enable the filmmaker to check the image from the 1:1 signal source without scaling. This feature is essential for capturing optimum detail.
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User Option

 LUT	On, Off After the LUT Switch is turned on, you can use the Lut (SLOG2, SLOG3, LOGC, VLOG). Lut Import: Confirm Lut Table Show the 4 built-in Lut and the custom load Lut (up to 32) The Lut item is displayed after the Lut Switch is turned on. LUT is a table for quickly looking up and output specific color data. By loading different 3D-LUT tables, it can quickly recombine color tone to form different color styles
 HDR	On, Off Mode: HLG1, HLG2, HLG3 HDR can provide more dynamic range and the details of image, it is better to reflect the visual effects in the real environment.
 Display Adjustment	Backlight: Auto, Manual When select Auto, the backlight will adjust automatically according to the around environment. Adjust the screen brightness (0~100), default to 60 Brightness: 0~100, default to 50 Adjust the image brightness Contrast: 0~100, default to 50

	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. Saturation: 0~100, default to 50 Adjustment of color concentration Tint: 0~100, default to 50
 Color Adjustment	Display Range: Auto, Limit, Full This feature allows for the selection of a grayscale range. The Limited grayscale range is 16-235, and the Full grayscale range is 0-255. (Grayscale represents changes in image brightness, using varying gray levels to depict brightness in different image areas. In grayscale, brightness increases from black to white, typically denoted by a numerical range from 0 to 255, where 0 signifies black and 255 indicates white, and intermediate numbers indicate varying grayscale levels.) 1. If the dark part of the picture lost, the details cannot be seen clearly. For example, the input signal is in the range of 0-255, but the monitor is set Auto or Limit, the brightness of 0-15 and 236-255 is removed, resulting the dark part details unclear. You can set to Full. 2. If the picture is gray, the black part turned gray. For example, the input signal is in the range of 16-235, but the monitor is set Full , resulting the black part turn gray. At this time,you can set to Auto or Limit. Color Temp.: 5600K, 6500K, 9300K, User 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.
	All Waves, Waveform, Vector, Histogram, Embedded Audio, Center Marker, Safe Frames, Grid, Focus Assist, False Colors, Zebra Pattern,

Shortcut Key	Anamorphic, Image Freeze, Check Field, Zoom Mode, Image Flip, Aspect Ratio, Ratio Marker, LUT, Touch Switch Set the function for F1~F3 key which on the top of the monitor for example, choose "Histogram" in F1, exit the menu after selection, and press the F1 key directly to quickly call up the histogram. Same setting for F2~F3
 Left Right Key Set	Volume, Backlight



System

User  Switch	User Switch: 1~4 you can save the set menu as 1-4 and can be called directly next time
 Language	English, 简体中文, Español, Português, Français, Nederlands、Deutsch, 日本語, 繁體中文, 한국어로, русский язык, Italiano
 OSD Option	OSD Time: Off, 15Sec, 30Sec, 45Sec Select the display time of the menu on the screen OSD Trans: Off, 25%, 50%, 75% Adjust the transparency of the menu picture background on the screen No Signal: Red, Green, Blue, Black, White, Gray Can be change the background color of screen when no signal
 EDID Settings	EDID Settings: 2.0, 1.4 Compatible with resolution of different camera/device Default to 2.0 (if set 1.4 manually, then input 4K60 signal,

	you need to set to 2.0 again)
 Volume	On, Off 0~100 Adjusting the speaker volume
 Power Settings	Power on: Auto, Manual Default to Auto. If set Manual, please press power key to turn on after the power plug in.
 Reset	Select Reset and press MENU button Confirm , the system back to original setting.
 Firmware Update	Firmware Version (display the version number) Firmware Update Confirm

4. How to Load LUT

4.1 SD card format

Support FAT32 or NTFS. For MAC system, the SD card should be formatted in MS-DOS (FAT)

4.2 Max Files Limit Maximum 32 Lut files

4.3 File requirements

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

Remark: LUT file name must be English or Arabic numerals

4.4 Steps for loading

4.4.1 Make sure the SD card correctly insert

4.4.2 Enter main menu **User Option--LUT-- LUT Import -- Confirm** 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.

5. Technical Parameters

Panel Size	7" touch screen
Resolution	Full HD 1920 × 1200 pixels
Dot Pitch	0.07875 (H) x 0.07875 (W) (mm)
Aspect Ratio	16:10
Brightness	2200cd/m ² (Auto Light Sensor)
Contrast	1200:1
Viewing Angle	80°/80°(L/R) 80°/80°(U/D)
Backlight	LED
Adjustable Backlight	Manual, Auto
Input	SDI (Optional), HDMI
Output	SDI (Optional), HDMI
Audio	3.5mm Stereo Headphone
Power Out	DC OUT 8.4V, Barrel (5.5mm outer, 2.1mm inner; Power DSLR or Mirrorless camera)
HDMI Support Format	480i/576i/480p/576p 720p (60/59.94/50/30/29.97/25/24/23.98) 1080i (60/59.94/50) 1080p (60/59.94/50/30/29.97/25/24/23.98) 3840×2160p (60/50/30/29.97/25/24/23.98) 4096×2160p (60/50/30/29.97/25/24/23.98)
Power Input Voltage	7~24V

Power Consumption	$\leq 16\text{W}$
Unit Size	190Lx126Hx27D (mm)
Unit Weight	460g
Mount Points	(3) $\frac{1}{4}$ -20 thread points (left, right, bottom)
Working Temperature	-20°C ~ 50°C
Storage Temperature	-30°C ~ 60°C

6. Troubleshooting

6.1 Only black and white or monochrome picture:

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

6.2 NO Image after turning on the power

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

6.3 Earphone No sound

- ① Check if Volume control is set to 0, press the volume button, and try to increase the volume.

■ If you have more questions, please contact Andycine:

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Twitter: [@andycinegear](https://twitter.com/andycinegear)

- If there are still other problems, please contact with our Technical Support Specialist.
- ★ All subject to change as we are continuing improving our products' features and performances.

