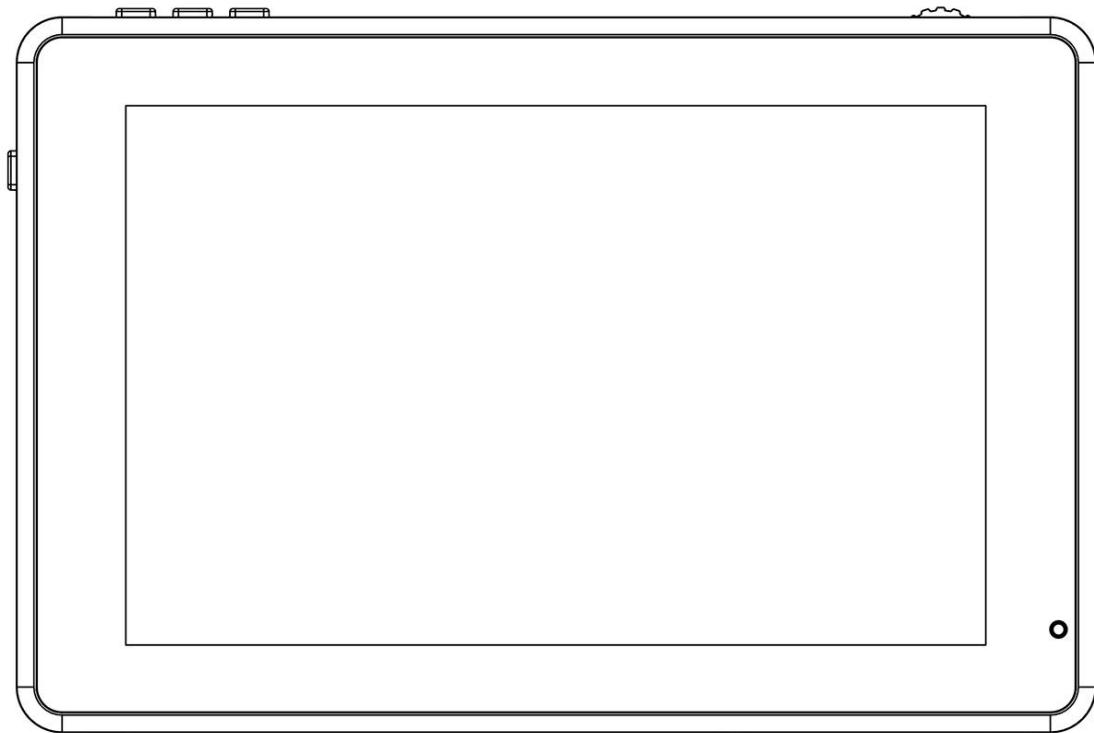


7" 3D LUT Touchscreen Monitor

2200nits Daylight Viewable



User Manual

Product Overview

Thank you for using our 7 inch ultra bright touch screen monitor. This monitor has SDI (optional), HDMI input and output, auxiliary power output, touch screen menu operation, HDR monitoring and support user 3D LUT upload and other features. Advanced features include Parade, Vector, Histogram, Audio Meter, Focus Assist, False Color, Zebra Exposure, Pixel to Pixel, Center Marker, Safety Marker, Marker Mat, Monochrome, Image Freeze, Zoom, Anamorphic etc. It is an ideal, portable and lightweight viewfinder and video monitor.

The monitor is equipped with dual battery plates; 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

1. Please avoid the heavy impact and drop onto the ground when move the product.
2. The screen of this product is made of glass.Keep away from injury if the screen is broken.
3. Keep the product away from the heat source, and avoid the prolonged exposures to the sun as the LCD screen will be damaged.
4. Please do NOT use chemical solutions to clean this product.
Please wipe the monitor with a clean soft cloth to maintain the brightness of the surface.

5. No adjustable components are in the monitor. Please do not take apart or repair the unit by yourself, to avoid the damage of the product.

Features

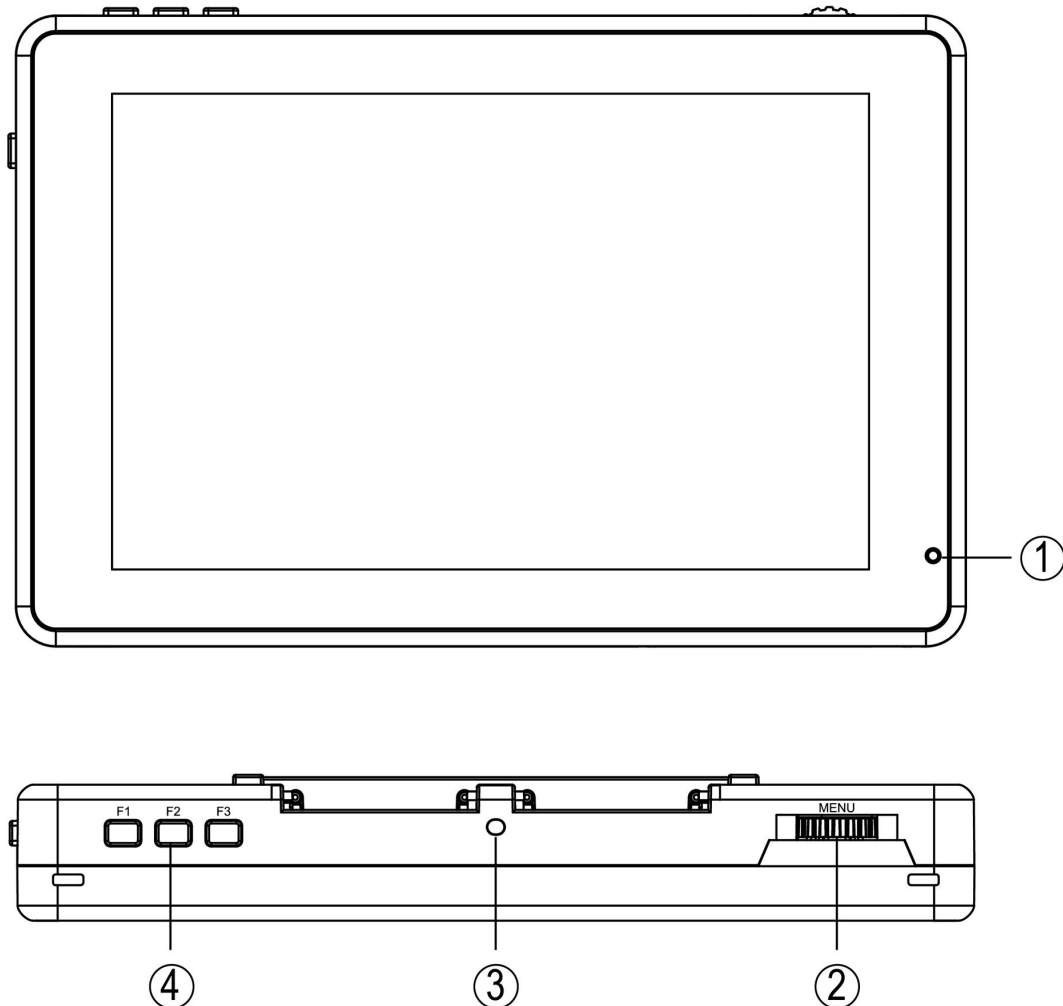
- Touch screen menu operation
- Support HDR monitoring
- Support 3D LUT Log to REC.709 and user 3D LUT upload
- 1920x1200 full HD IPS screen
- 2200nits Daylight Viewable (Light Sensor)
- All Waves display, Parada, Vector, RGB Histogram functions
- Histogram is a quantitative tool to inspect the image brightness, to guide the exposure control
- Focus Assist (red, green, blue, white, yellow five peaking colors optional)
- Audio Meter
- Zebra and False Color function, convenient to guide the using light when shooting and the post production
- Monochrome (gray, red, green, blue)
- Image Zoom-in function
- Anamorphic 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

1.1 Button Instruction



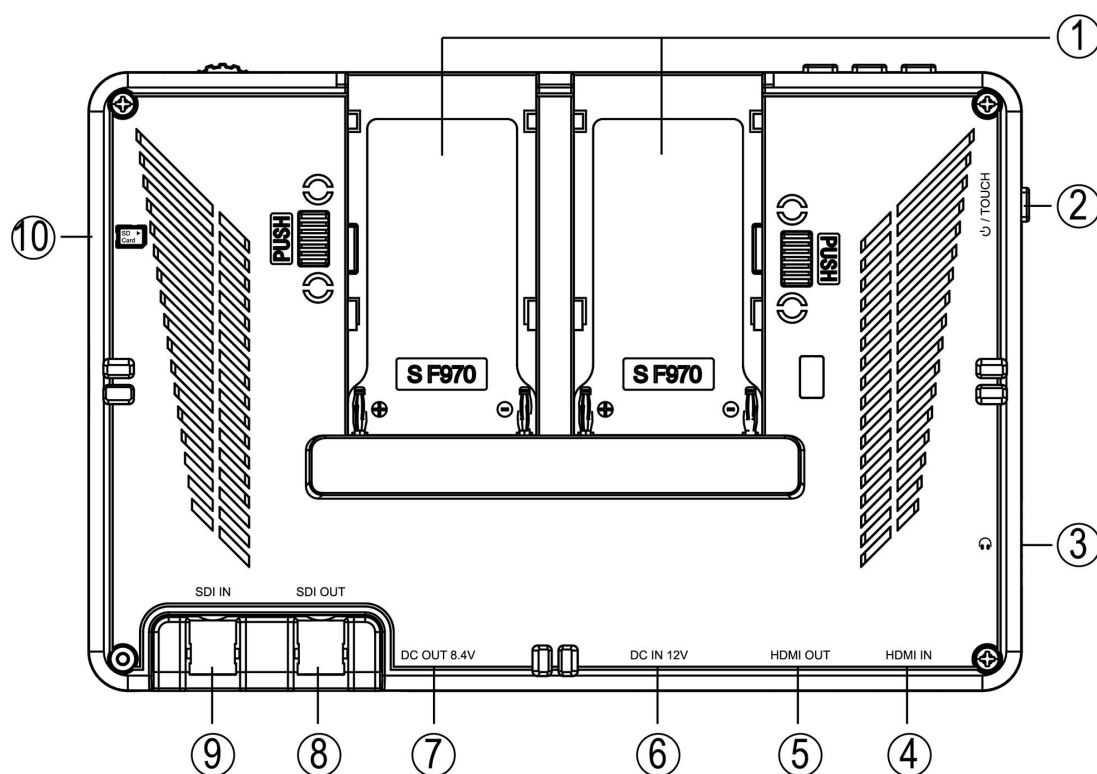
①. **Indicator Light:** After connecting the power, the indicator light is on (red). Long Press  / TOUCH button to turn on the monitor, it turns yellow. After the signal is connected, it turns green.

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

③. **Light Sensor:** The backlight mode under the icon  is set to Auto, and the brightness of the backlight can be adjusted automatically by the light sensor.

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

1.2 Port Instruction



①. Dual F970 Battery Plates

⑥. DC 12V Power Input

②. Power / Touch Function Button

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

⑦. DC OUT 8.4V Power Output

Connect the optional dummy battery cable to power camera.

③. 3.5mm Headphone Jack

⑧. SDI OUT (Optional)

④. HDMI IN

⑨. SDI IN (Optional)

⑤. HDMI OUT

⑩. SD Card Slot

3DLUT upload via SD card and for firmware upgrade

1.3 Power 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 battery of Sony DV:

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

Remark: It is recommended to use standard original F970 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.


●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: Double-tap the gray battery icon and it will be switched to a working state in about 3 seconds, then 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, polarity as the input power



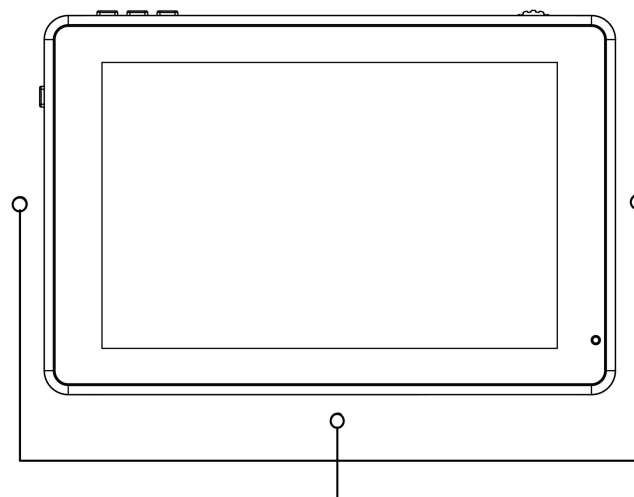
, Barrel (5.5mm outer, 2.1mm inner) at the bottom of the monitor, DC 7~24V Input.

(3) **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 (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 (bottom, right & left) can be easily connected to the hot shoe mount, tripod fixed installation.

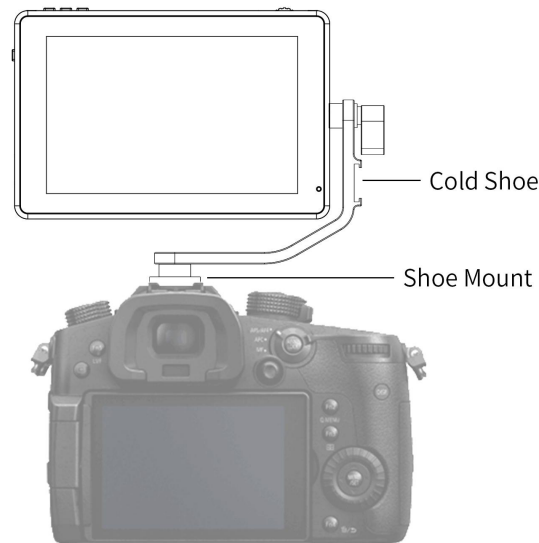


(3) 1/4-20 thread points

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 360° 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.




2. Menu Operation Instruction

After the monitor is properly connected to the power supply, the indicator light is on (red). Long press **⏻ / TOUCH** button to turn on the monitor, the indicator light turns yellow. After the signal is connected, the indicator light turns green.

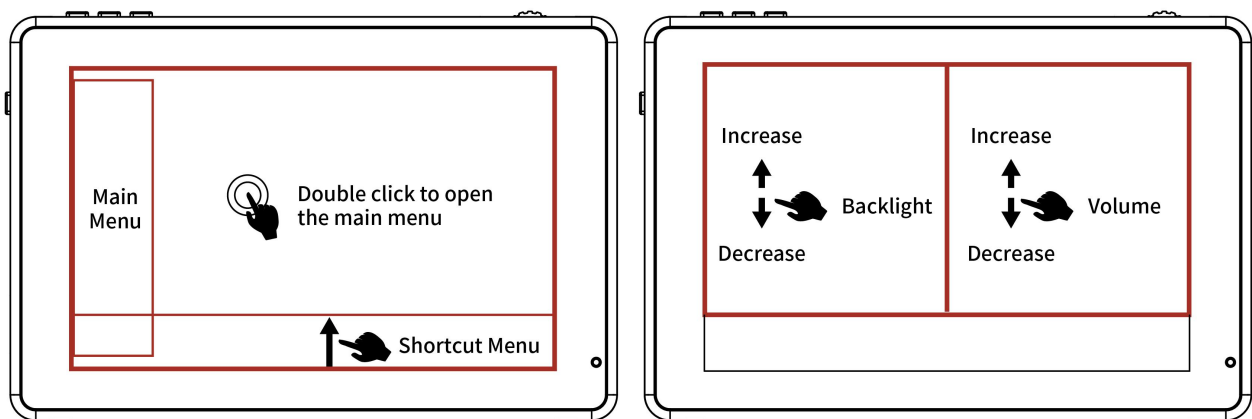
After startup, short press **⏻ / TOUCH** to select to turn the screen touch function on or off.

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


- 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 to select or set with the "<" or ">" key of the option. Exit the menu and press  key of the main menu or click the touch screen.

- ②. When the menu is not displayed, swipe up from the bottom of the screen to open the shortcut menu, and click on the corresponding menu box to open or set 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:




2.2 MENU Wheel Menu Operation

- ①. When the menu is not displayed, directly rotate the wheel to backlight or brightness adjustment. The wheel option can be set to backlight or brightness in the menu .
- ②. Long 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. Short press the MENU wheel to open the shortcut menu (below the screen), rotate the wheel to select the shortcut menu option, press the wheel to directly turn on/off the function, if you press the parameter selection, repeat the above operation. The shortcut menu will automatically exit after about 5 seconds without operation.

3. Menu Function Instruction




Focus Assist	OFF, ON After the Focus Assist is turned on, the Focus Level (1~10) and Focus Color (yellow, red, green, blue, white) can be adjusted.
Zebra	OFF, ON After the Zebra is turned on, the Zebra Value (1%~100%) can be adjusted.
Monochrome	OFF, gray, red, green, blue
False Color	OFF, type 1, type2
Return 	Back to the previous OSD menu



Nine Grid	OFF, ON
Safety Marker	OFF, 70%, 80%, 90%, 16:9, 16:10, 4:3, 5:4, 1.85:1, 2.35:1
Center Marker	OFF, ON
Marker Mat	OFF, 16:9, 16:10, 4:3, 1.85:1, 2.35:1 After the Marker Mat is turned on, the Marker Mat Alpha (0%, 25%, 50%, 75%) can be adjusted.
Marker Color	yellow, red, green, blue, white, black
Return 	Back to the previous OSD menu




Scan Mode	Under Scan, Over Scan
Video Aspect	auto, 16:9, 16:10, 4:3, 5:4, 1.85:1, 2.35:1, stretch, user Under the “user”, you can customize the Video Width (100% ~ 200%) , Video Height (100% ~ 200%)
Anamorphic Mode	OFF, 1.25x, 1.33x, 1.5x, 2.0x, 2.0x mag
Auto Mirror	OFF, ON After turning on, the image will automatically adjust upside down.
Flip H	OFF, ON
Flip V	OFF, ON
Zoom Times	OFF, 100%~300%
Freeze	OFF, ON
Pixel to Pixel	OFF, ON
Return 	Back to the previous OSD menu



All Waves	OFF, ON
Parada	OFF, RGB, YUV, Y
Vector	OFF, ON
RGB Histogram	OFF, ON
Histogram	OFF, ON
Audio Meter	OFF, ON
Return ←	Back to the previous OSD menu




Lut Switch	OFF, ON After the LUT Switch is turned on, you can use the Lut (SLOG2, SLOG3, LOGC, VLOG) .
Lut Out	OFF, ON (With SDI interface version) Under the SDI signal, you can choose whether to loop out the LUT after the LUT function is turned on, and the default is off.
Lut Import (SD)	After copying the 3D LUT file to the SD card and inserting it into the SD card slot, you can click the “<” or “>” key in the Lut (SD) option, or rotate the wheel to import the 3D LUT file. Note: 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.
HDR	OFF, ON After turning on, can choose Gamma and Gamut corresponding to the company Sony, Canon, Panasonic, Fujifilm, Bolex, RED, ARRI
Colortemp	5600K, 6500K, 9300K, user Under the “user”, the red, green, and blue values of the image can be adjusted.
Backlight Mode	manual, auto Under "Manual", the Backlight (1 ~ 100) can be adjusted manually.


	Under "Auto", the brightness is automatically adjusted by the light sensor.
Brightness	0~100
Contrast	0~100
Saturation	0~100
Hue	0~100
Sharpness	0~100
Return 	Back to the previous OSD menu



Wheel	Backlight, Volume, Zoom Times After selecting the wheel option, you can click the "<" or ">" button in the wheel option, or rotate the wheel to select one of the shortcut keys to set it to the rotary wheel adjustment (when the menu is not displayed).
F1~F3	Input, All Waves, Nine Grid, Safety Marker, Center Marker, Marker Mat, False Color, Lut Switch, Parade, Vector, RGB Histogram, Histogram, Audio Meter, Monochrome, Focus Assist, Zebra, Scan Mode, Video Aspect, Anamorphic Mode, Auto Mirror, Flip H, Flip V, Freeze, Pixel to Pixel, Mute, Lut Out
Language	中文, English , 日本語, Deutsch , Français , Italiano , Español , 한국, Русский
OSD Alpha	OFF, low, middle, high
OSD Time	5s, 10s, 15s, 20s, 25s, 30s, always
Volume	0~100
Mute	OFF, ON
Save Config(SD)	User custom menu saving After inserting SD card, click the "<" or ">" key to save the current configuration
Load Config(SD)	After inserting SD card, click the "<" or ">" key to load the saved configuration

Reset	After selecting the reset option, you can click the “<” or “>” key in the reset option or rotate the wheel to restore the factory settings.
Input	HDMI, SDI (With SDI interface version)
Firmware Update	After copying the update file to the SD card and inserting it into the SD card slot, you can click the “<” or “>” key in the firmware update option or rotate the wheel to update. Note: 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.
Return 	Back to the previous OSD menu



	Exit the menu
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4. Support Formats

SDI Input Support Format (SDI version)	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) 2048x1080i (60/59.94/50) 2048x1080p (60/59.94/50/30/29.97/25/24/23.98)
SDI Output Support Format (SDI version)	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)

HDMI Input/ Output Support Format	480i/480p/576i/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) 3840x2160p (30/29.97/25/24/23.98) 4096x2160p (30/29.97/25/24/23.98)
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5. Technical Parameters

Panel Size	7" touch screen
Resolution	1920 × 1200 pixels
Dot Pitch	0.07875 (H) x 0.07875 (W) (mm)
Aspect Ratio	16:10
Brightness	2200cd/m ² (Light Sensor)
Contrast	1200:1
Viewing Angle	80°/80°(L/R) 80°/80°(U/D)
Backlight	LED
Input	SDI (Optional), HDMI
Output	SDI (Optional), HDMI, DC OUT 8.4V
Audio	3.5mm Stereo Headphone
Power Input Voltage	7~24V
Power Consumption	≦ 18W
Unit Size	190Lx126Hx27D (mm)
Unit Weight	460g
Mount Points	(3) ¼-20 thread points (left, right, bottom)
Working Temperature	-20℃ ~ 50℃
Storage Temperature	-30℃ ~ 60℃

6. Trouble Shooting

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 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.

6.3 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.