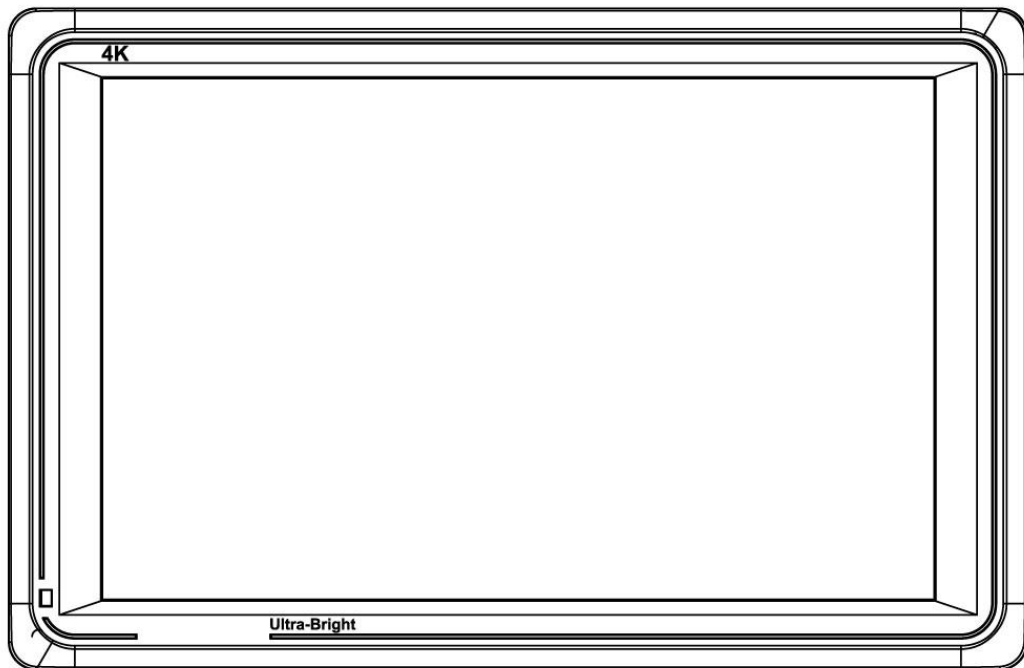


7" 2200nit Ultra Bright

Daylight Viewable Field Monitor



User Manual

Foreword

Thank you for using our 7- inch ultra high bright monitor. Please read this manual carefully before using the unit. Have a great experience!

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 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.

Key Features

- IPS Full HD LCD panel
- Support 4K HDMI signal input and output
3840×2160p (30/29.97/25/24/23.98 Hz) / 4096×2160p (24Hz)
- Support 3D LUT Log to REC.709 and user 3D LUT upload
- With waveform, vector, histogram to help accurately analysis
- 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)
- Anamorphic Mode

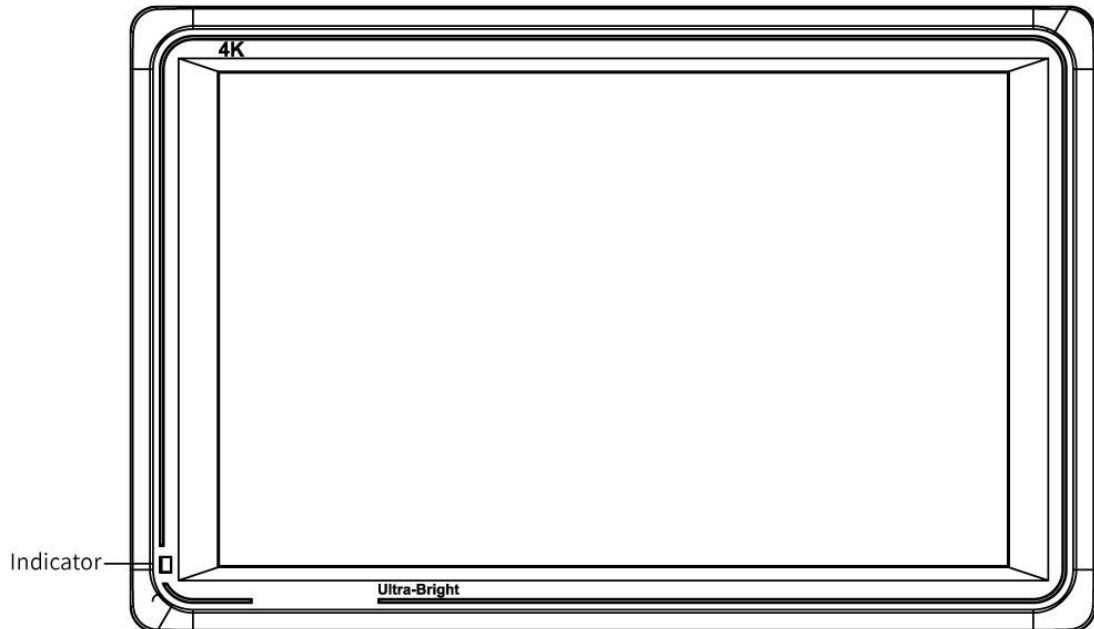
- Image Flip (H, V, H/V)
- Image Freeze
- Image Nine Grid, zoom one of the images to realize the full screen
- Image Zoom-in function.
- Pixel to Pixel
- Marker Types, Safe Frames and Center Marker
- Display and adjust the image Color Temp
- Brightness, Contrast, Tint, Saturation and Color Temp Adjustment.
- Support varieties of the different types of the battery brands (F970, LP-E6, D28S, U60)
- Speaker and earphone output

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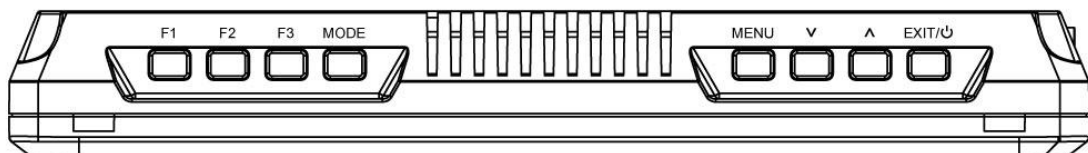
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1. Product Description

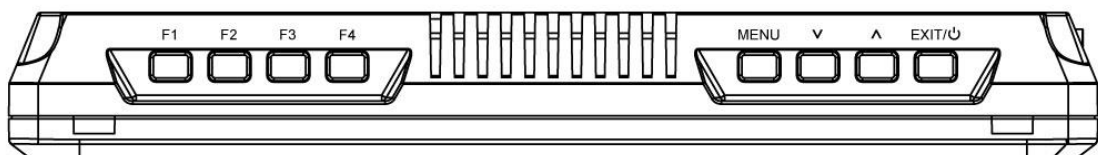
1.1 Front Panel/ Button Instruction



SDI Version:



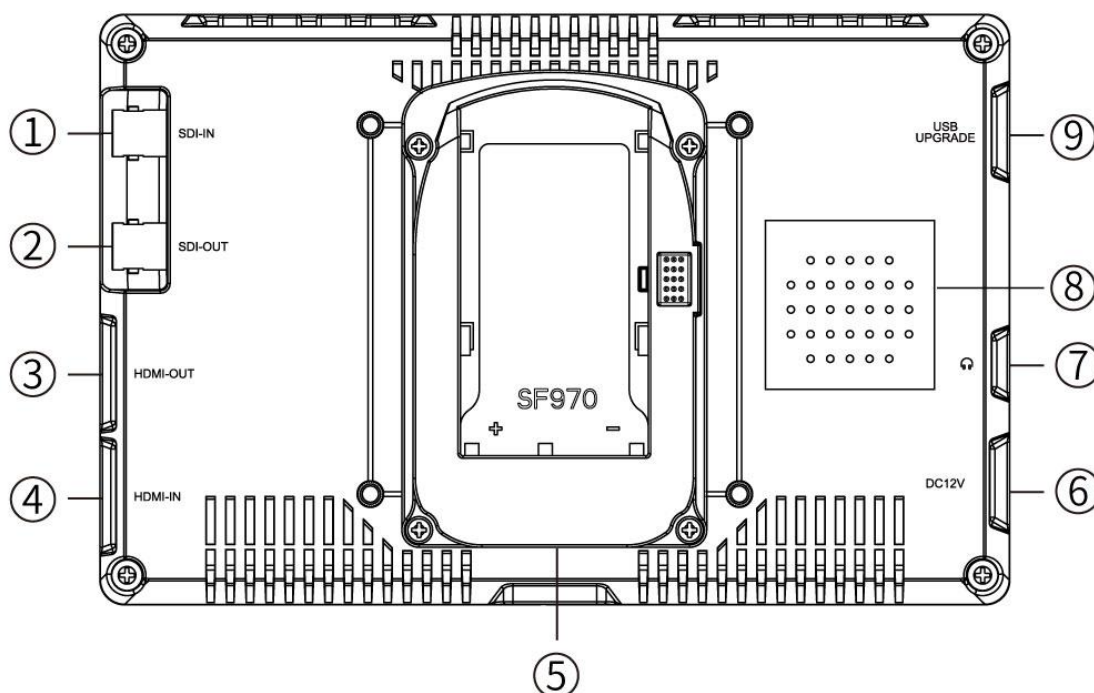
W/O SDI Version:



Button	Function when OSD is not displayed	Function when OSD is displayed
F1	Custom button F1	/
F2	Custom button F2	/
F3	Custom button F3	/

MODE (SDI Version)	Signal input selection	/
F4 (W/O SDI Version)	Custom button F4	/
MENU	Display OSD main menu	Confirm button
∨	Decrease the volume/back light value	Select next menu item; Decrease or adjust value of selected parameter
∧	Increase the volume /back light value	Select previous menu item; Increase or adjust value of selected parameter
EXIT/⏻	Power ON/OFF button; Menu Return/Exit button	

1.2 Rear Panel Instruction



①	SDI signal input (Optional) Note: No SDI version w/o this interface
②	SDI signal output (Optional)

	Note: No SDI version w/o this interface
③	HDMI signal output
④	HDMI signal input
⑤	F970 Battery plate
⑥	DC 12V power input interface
⑦	Earphone output port
⑧	Speaker
⑨	USB upgrade port/LUT upload

1.3 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.

CAUTION

**RISK OF EXPLOSION IF BATTERY IS REPLACE
BY AN INCORRECT TYPE
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS**

2. Menu Operation Instruction

After correctly connect to the power supply, the indicator will

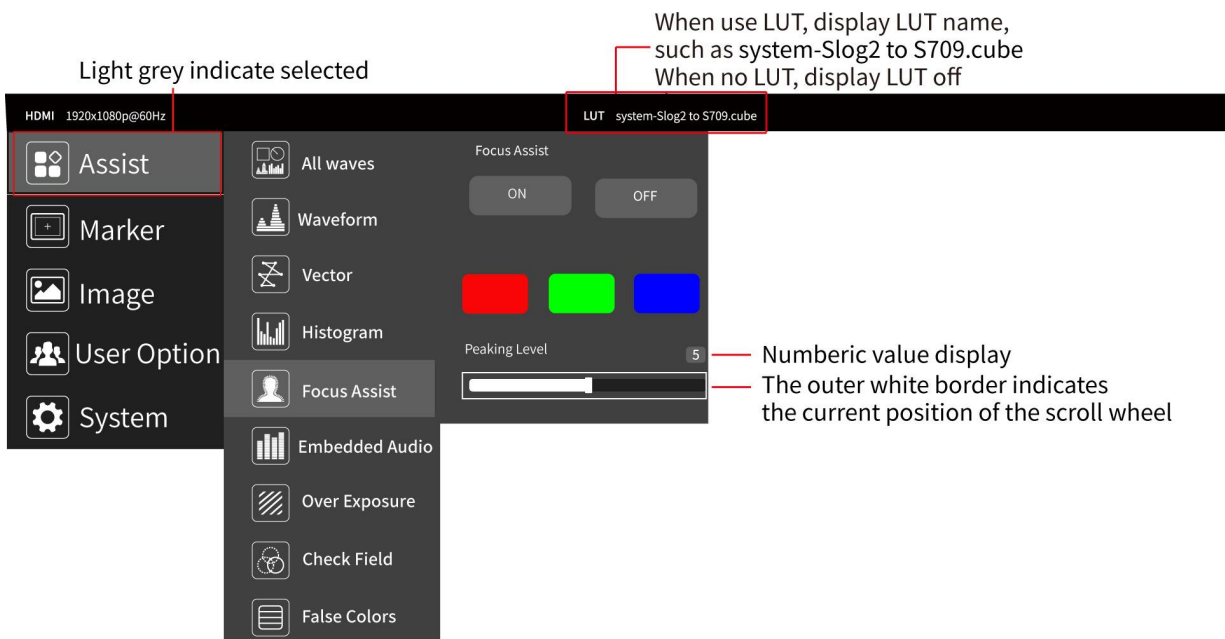
turn (Red), press EXIT/⏻ to turn on monitor power, the indicator will be Yellow, and then input signals, the indicator will turn Green from Yellow.

2.1 When the menu is not displayed, directly press the “∨” or “∧” button to adjust the volume or backlight. You can set it as volume or backlight in the menu **Left Right Key** of **User Option**

2.2 Press “**MENU**” button to enter OSD main menu, press MENU button again to enter secondary menu, then press “∨” or “∧” button to select items, after selected press MENU button to confirm and enter function menu, press “∨” or “∧” button to select the corresponding function or adjust the parameters.

2.3 Press EXIT/⏻ button to exit the menu







3. MENU UI Interface Instruction






4. Menu Function Instruction







Assist

 <p>All Waves</p>	<p>On, Off</p> <p>After turning on, waveform, vector, histogram and embedded audio will be shown.</p>
 <p>Waveform</p>	<p>On, Off</p> <p>Mode : RGB, YUV, Y</p> <p>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.</p> <p>Waves Trans. : Off, 25%, 50%, 75%</p>
 <p>Vector</p>	<p>On, Off</p> <p>shows how saturated the image is and where the pixels in the image land on the color spectrum.</p>
 <p>Histogram</p>	<p>On, Off</p> <p>Mode: RGB1, RGB2, Y</p>
 <p>Focus Assist</p>	<p>On, Off</p> <p>Color : (Red, Green, Blue)</p> <p>Peaking Level : you can adjust the peaking level after turning on (1 ~ 10)</p>
 <p>Embedded Audio</p>	<p>On, Off</p> <p>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.</p>

 Over Exposure	On, Off Exposure Level : you can adjust the exposure level after turning on (10~100)
 Check Field	On, Off Mode : Red, Green, Blue, Mono
 False Colors	On, Off










Marker

 Nine Grid	On, Off Color: Red, Green, Blue, Black, White, Gray
 Safe Frames	On, Off Mode: 80%, 85%, 90%, 93%, 96%, 2.35:1 Color: Red, Green, Blue, Black, White, Gray
 Center Marker	On, Off Color : Red, Green, Blue, Black, White, Gray
 Ratio Marker	On, Off Mode: 4:3、 13:9、 14:9、 15:9、 16:9、 1.85:1、 2.35:1 Color: Red, Green, Blue, Black, White, Gray Modified Mark : 0~5








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
 Anamorphic	On, Off Mode: 1.33X, 1.6X, 2.0X, 2.0X MAG, User Under the User , can be customized (1.20X~2.00X)
 Image Flip	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%)
 Image Freeze	On, Off
 P2P	On, Off



User Option

	On, Off After the LUT Switch is turned on, you can use the Lut
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<p style="text-align: center;">LUT</p>	<p>(SLOG2, SLOG3, LOGC, VLOG).</p> <p>Lut Import: Confirm</p> <p>After copying the 3D LUT file to the USB flash driver then connecting USB UPGRADE port via USB-female to mini-USB cable, press “√” or “^” button to select Confirm of LUT Import and press MENU button confirm to import the 3D LUT file.</p> <p>Lut Table</p> <p>Show the 4 built-in Lut and the custom load Lut (up to 32)</p>
<p style="text-align: center;"></p> <p style="text-align: center;">Display Adjustment</p>	<p>Backlight: 0~100</p> <p>Brightness: 0~100</p> <p>Contrast: 0~100</p> <p>Saturation: 0~100</p> <p>Tint: 0~100</p>
<p style="text-align: center;"></p> <p style="text-align: center;">Color Adjustment</p>	<p>Color Temp.: 5600K, 6500K, 9300K, User</p> <p>Under the User, the red, green and blue of the image can be adjusted (0~255)</p>
<p style="text-align: center;"></p> <p style="text-align: center;">Shortcut Key</p>	<p>All Waves, Waveform, Vector, Histogram, Embedded Audio, Center Marker, Safe Frames, Nine Grid, Focus Assist, False Colors, Over Exposure, Anamorphic, Image Freeze, Check Field, Zoom Mode, Image Flip, Aspect Ratio</p> <p>To set the 3 (SDI version) or 4 (w/o SDI version) shortcut custom button on the panel</p> <p>e.g.: Press MENU button to enter main menu , using “√” or “^” select User Option and press MENU button confirm, then select  shortcut key and press MENU button confirm. Then select F1 and confirm to pop-up function items select one of them and press MENU button to confirm, the cursor will be changed to gray color after confirmed.</p>

	Same setting for F2~F3 (F4)
 Left Right Key Set	Volume, Backlight



System

 Language	English、简体中文、Español、Português、Français、Nederlands、Deutsch、日本語、繁體中文、한국어로、 русский язык
 OSD Option	OSD Time: Off, 15Sec, 30Sec, 45Sec OSD Trans: Off, 25%, 50%, 75% No Signal: Red, Green, Blue, Black, White, Gray
 Volume	On, Off 0~100
 Reset	Select Reset and press MENU button Confirm , the system back to original setting.
 Firmware Update	After copying the upgrade file to the USB flash driver then connecting USB UPGRADE port via USB-female to mini-USB cable press the MENU button confirm to upgrade. After the upgrade is complete, the monitor will automatically restart.

5. Technical Parameters

Panel Size	7" IPS
Resolution	1920x1200 pixels
Dot Pitch	0.07875(W) x 0.07875 (H)mm
Aspect Ratio	16:10
Brightness	2200cd/m ²
Contrast	1200:1
Viewing Angle	80°/80°(L/R) 80°/80°(U/D)
Backlight	LED
Input	SDI (Optional), HDMI
output	SDI (Optional), HDMI
Audio	3.5mm Stereo Headphone, Speaker
SDI Support Format	480i/576i 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)
HDMI Input / Output Support Format	480i/576i/480p/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	DC7~24V
Power Consumption	≅ 18W
Unit Size	185Lx120Hx25D (mm)
Unit Weight	365g/395g (With F970 Battery Plate)
Mount Points	1/4"-20 Thread Point (bottom)
Working Temperature	- 20℃ ~55℃
Storage Temperature	- 30℃ ~65℃

6. Trouble Shooting

6.1 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.

6.2 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.

6.3 No sound

- ① Check if Volume control does not open, try to increase the volume.
- ② Check the signal input source is normal or not.

■ 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.