

13.3" 4K Broadcast Monitor
with OLED Screen Quad-Split Multiview

User Guide



Important Safety Instructions:

- Please read User Guide before using this product.
- Please keep User Guide for future reference.
- Please read the precaution to prevent possible danger and loss of property.

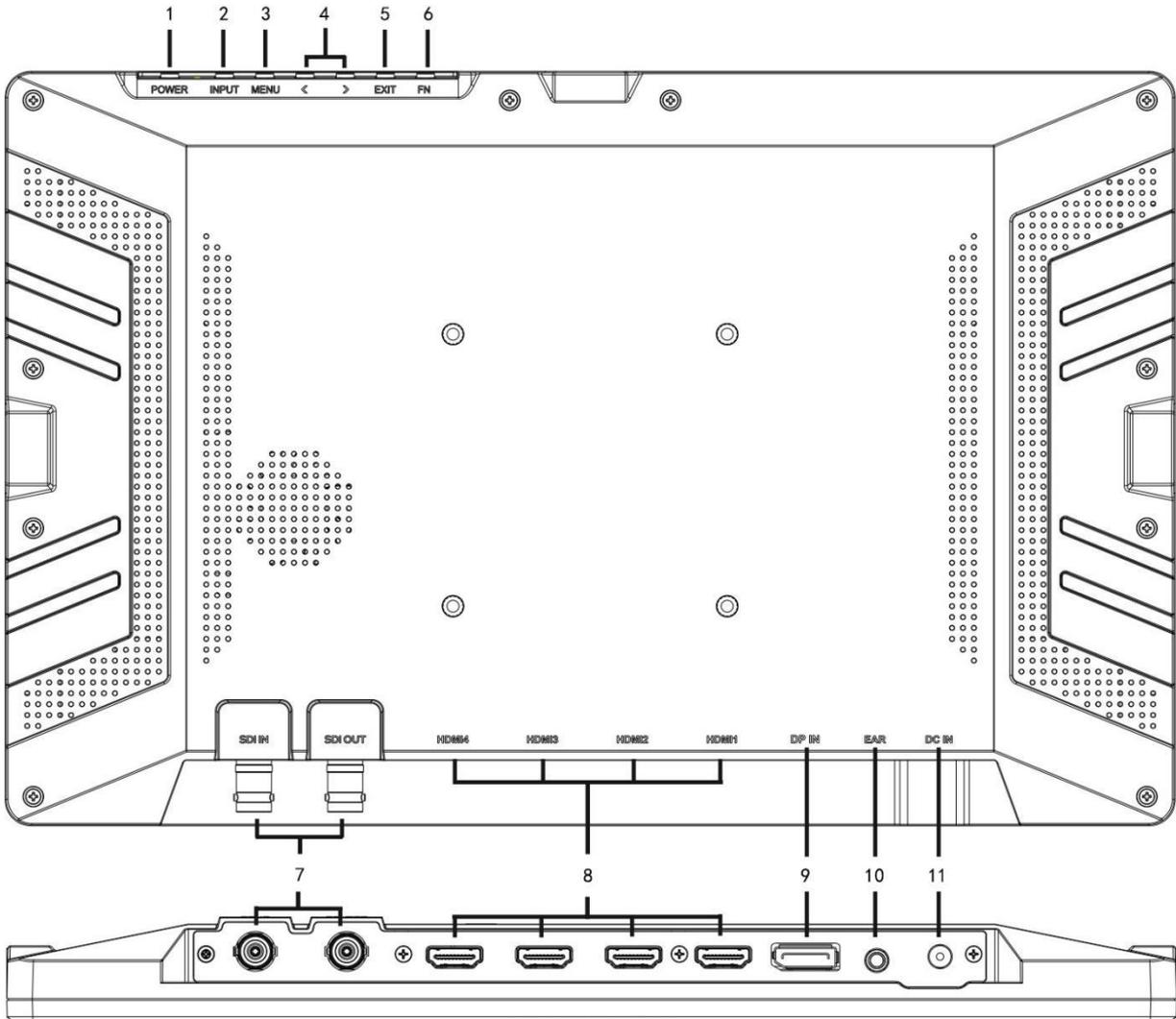
Precaution:

- Please do not place the display screen towards the ground.
- Please avoid heavy impact or drop onto the ground.
- Please do not use chemical solutions to clean this product. Please wipe with a clean soft cloth to maintain the brightness of the surface.
- Please do not block any vent hole.
- Please follow the instructions and trouble-shootings to adjust the product. Other improper adjustment may result in damage. Any further adjustment must be performed or conducted by a qualified technician.
- Please unplug the power and remove the battery if long-term no-use, or thunder weather.

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1. Production Description、



1. Power Button

2. Input Button

Press to switch signal source

3. MENU

Press to enter menu.

Press to enter option in the menu.

4. < > button

Select option in the menu.

Adjust the option value.

Before enter the menu, single press to activate function bar, press again to switch among of volume, brightness, contrast, saturation, hue, sharpness and backlight

5. Exit Button

6. Fn User definable buttons

Default option: Display Mode

(Long press Fn button for 3-5 seconds to custom options.)

7. SDI Input & Output

8. HDMI Input port

9. DP Input port

10. Earphone jack

11. 12V DC Power port

2. Menu Setting

Before setting the functions, please make sure the device is connected correctly.

2.1 Shortcut keys

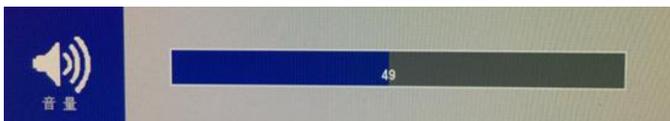
2.1.1 FN Button:

- Long press FN button for 3-5 seconds to pop up shortcut menu on the screen. Default option will be highlighted as white. Option selected will be highlighted as yellow. Unavailable option will be highlighted as gray.
- Select option via "◀ / ▶" buttons. Then press "MENU" button to confirm and set the default option.
- Shortcut functions can be customized to meet user's needs as following:

FN Shortcut function Menu		
Center Marker	Check Field	False Color
Safety Marker	Freeze	Display Mode
Aspect Marker	Pixel to Pixel	Disp Rotate
Aspect	Color Space	Disp Mirror
Underscan	Peaking	

2.1.2 ◀ / ▶ Function Menu

- Under non menu screen, press "◀ / ▶" buttons to activate function bar, and then press the "MENU" button can activate the shortcut menu bar to select the function from Volume, Brightness, Contrast, Saturation, Hue, Sharpness, Volume, Back light.



- Use the < or > button to adjust the value.
- Default function is [Volume]

2.2 MENU Operations

When power on, press "MENU" button on the device, the OSD menu will display on the screen.

Press "◀ / ▶" button to choose sub-menu or adjust the values;

Then press "MENU" button to confirm;

Press "EXIT" button to return / exit menu.

2.2.1 PICTURE

Picture	Brightness	0~100	
	Contrast	0~100	
	Color space	Native, DCIP-3, Rec.709	
	Saturation	0~100	
	Hue	0~100	
	Sharpness	0~4	
	Temperature	9300/7500/6500/5800/User	
	Red Gain	0~256	(Note: Available only under "User" mode)
	Green Gain	0~256	
	Blue Gain	0~256	
	Back Light	0~100	
	HDR	On, OFF	

- **Brightness**

Control the degree of brightness between 0-100.

- **Contrast**

Control contrast ratio between 0-100.

- **Color Space**

Select the display gamut from among [Native], [DCIP-3], [Rec709].

Note: Saturation and Hue is only available under Native mode.

- **Saturation**

Adjust the color intensity between 0-100.

- **Hue**

Adjust hue between 0-100.

- **Sharpness**

Control sharpness of the image between 0-4. The default value is 2.

- **Color Temp.**

Use this item to choose one of the color temperature presets: [5800K], [6500K], [7500K], [9300K] and [User], the default value is 6500K.

Note: Only available under [User] mode to adjust R/G/B Gain.

- **R/G/B Gain**

Adjust the R/G/B Gain of the current Color Temperature from 0 to 255. Default value: 128.

- **Back Light**

Adjust the level of the back light from 0 to 100.

- **HDR**

Use this item to activate or deactivate HDR function.

2.2.2 FUNCTION

Function	Center Marker	OFF/ ON
	Safety Marker	OFF, 95%, 93%, 90%, 88%, 85%, 80%
	Aspect Marker	OFF, Full, 17:9, 16:9, 4:3, 1.85:1, 2.35:1
	Aspect	Full, 17:9, 16:9, 4:3, 1.85:1, 2.35:1
	Underscan	OFF/ ON
	Pixel to Pixel	OFF/ ON
	Check Field	Off, Red, Green, Blue
	Freeze	OFF/ ON
	Peaking	OFF/ ON
	False Color	OFF/ ON

- **Center Marker**

Select [On] to display the center marker “+” and [Off] not to display it.

- **Safety Marker**

Select [Off] not to display the safety marker. Or select the size of the safety markers: [95%], [93%], [90%], [88%], [85%], [80%].

Note: When this item is used with the aspect marker, it is only inside aspect marker.

- **Aspect Marker**

Select the aspect ratio of the marker: [Off], [Full], [17:9], [16:9], [4:3], [1.85:1], [2.35:1].

- **Aspect**

Switch aspect ratio setting among from [Full], [17:9], [16:9], [4:3], [1.85:1], [2.35:1].

- **Underscan**

If the image shows size error, use this setting to zoom in/out pictures automatically when receiving signals.

- **Pixel to Pixel**

Display the original pixels of the image one by one.

- **Check Field**

Select one of check field modes: [Off], [Red], [Green], [Blue].

- **Freeze**

Choose [On] to capture one frame of current image on the screen, and choose [Off] to close freeze function.

- **Peaking**

The peaking is used to aid the camera operator in obtaining the sharpest possible picture. Select "On" to display colored outlines around sharp areas of the image.

- **False Color**

Use this item to activate or deactivate the false color function.

2.2.3 Display Mode

Display Mode	1P, 2P LR, 2P TB, 2P PIP, 4P
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- **Multi-picture mode:** There are 5 picture modes for optional: **1P** (single picture), **2P LR** (dual picture/ left and right), **2P TB** (dual picture/ top and bottom), **2P PIP** (picture-in-picture), **4P** (quad picture)

Note: This function can be work with “Select Region” function to meet user’s requirement.

2.2.4 Display Setting

Display Setting	Disp Rotate	0°, 90°, 180°, 270°	Available when single display
	Disp Mirror	OFF, L/R, U/D	Available when single display
	LR Ratio	0-4	Available in 2P LR mode
	PIP Position	Top Left, Top Right, Bottom Left, Bottom Right	Available in PIP mode
	PIP Transparency	0-10	
	PIP Size	0-10	
	Input Swap	/	Available in PIP, 2P LR and 2P TB mode

- **Display Rotate**

This setting support to flip the image to 0°, 90°, 180°, 270° modes.

- **Display mirror**

This setting displays two different input signals to Light/Right or Up/Down, the user can choose it to view the images according to the requirement.

- **LR Ratio**

When the Display mode is 2P LR, the ratio of the left and right images can be adjusted from 0 to 4.

- **PIP Position**

The position of the sub-picture can be adjusted when the display mode is PIP.

Option: Top Left, Top Right, Bottom Left, Bottom Right.

- **PIP Transparency**

When the display mode is PIP, the transparency of sub-picture can be adjusted from 0 to 10.

- **PIP Size**

When the display mode is PIP, the size of sub-picture can be adjusted from 0 to 10.

- **Input Swap**

When the display mode is PIP, 2P LR and 2P TB, the two pictures on the screen can be swapped.

2.2.5 Select Region

Select Region	1P	Unavailable
	2P LR	Left Side, Right Side, Full
	2P TB	Top Side, Bottom Side, Full
	2P PIP	Main, Sub, Full
	4P	1P In、2P In、3P In、4P In (Adjust region1/2/3/4 individually.) 1P Out、2P Out、3P Out、4P Out (Adjust the other 3 regions except region1/2/3/4) 4P full (Adjust full screen)

- **Region**

The image and function parameters of the selected region can be adjusted individually. All regions can be adjusted in full screen mode.

Note: Select Region function is unavailable in 1P mode.

2.2.6 INPUT

INPUT	The input signal of the selected region can be selected according to user's needs.
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- **Optional input signal:** SDI, HDMI 1, HDMI 2, HDMI 3, HDMI 4, DP, Auto.

Note: Select Auto, and then the monitor will automatically recognize and match the input signal.

2.2.7. AUDIO

AUDIO	Volume	0~100
	Audio Source	Digital region 1, Digital region 2 Digital region 3, Digital region 4

- **Volume**

Adjust the volume among 0-100.

- **Audio Source**

Digital region 2~4 is only available under multi-displays mode and must activate the corresponding Region under Select Region function at the same time.

Note: In 2P LR/ 2P TB/ 2P PIP mode, only Digital region 1 and region 2 are available.

2.2.8 SYSTEM

SYSTEM	Reset	Press to confirm after selected.
	Menu Time	5~60s
	OSD H Position	0~100 (To set menu display area)
	OSD V Position	0~100 (To set menu display area)
	Language	English, Chinese
	Transparency	0~255 (To set menu transparency)
	Rotate	0°, 90°, 270°
	Border Width	0~10
	Border Color	R, G, B, W
	Back Color	BLACK, BLUE
	Low Power Mode	Normal, Sleep, Shutdown

- **Reset**

If there is any problem unknown, press to confirm after selecting. The monitor will return to default set.

- **Menu Time**

Adjust the OSD displaying time from 5 to 60s.

- **OSD H Position**

Move OSD horizontally from 0 to 100.

- **OSD V Position**

Move OSD vertically from 0 to 100.

- **Language**

Switch between English and Chinese.

- **Transparency**

Set Menu transparency. Increase the value, the more transparent it will be. Option value: 0~255.

- **Rotate**

Flip OSD to three modes: 0°, 90° and 270°.

- **Border Width**

Adjust the thickness by using Border Width function. This setting is available when display in 2P LR, 2P TB, 2P PIP, 4P mode.

- **Border Color**

User can choose the border color among Red, Green, Blue and White.



These lines separate the different input signals, means Border.

- **Low Power Mode**

Adjust the status of the display when there is no signal input, optional: always on, sleep, or shut down.

2.2.9 INFORMATION

Display the information about all the input of current Display Mode.

3. Product Parameters

Display	Size	13.3" OLED
	Resolution	3840x2160
	Aspect ratio	16: 9
	Brightness	400 cd/m ²
	Contrast	100,000: 1
	Viewing Angle	170°/ 170°(H/V)
	Color Space	100% DCI-P3
Input	HDMI	HDMI 2.0 x1 (Support up to 4K 60Hz) HDMI 1.4b x3 (Support up to 4K 30Hz)
	3G-SDI	1
	DP 1.2	1
Output	3G-SDI	1
Supported Formats	HDMI 2.0	2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080i 50/60, 720p 50/60...
	HDMI 1.4b	2160p 24/25/30, 1080p 24/25/30/50/60, 1080i 50/60, 720p 50/60...
	3G-SDI	1080p 24/25/30/50/60, 1080pSF 24/25/30, 1080i 50/60, 720p 50/60...
	DP	2160p 24/25/30/50/60, 1080p 24/25/30/50/60, 1080i 50/60, 720p 50/60...
Audio	Built-in Speakers	2
	Ear Jack	3.5mm - 2ch 48kHz 24-bit
Power	DC In	DC 7-24V
	Operating power	≤ 20W (12V)
Environment	Operating Temperature	0°C~50°C
	Storage Temperature	-20°C~60°C
Other	Dimension(LWD)	320 mm x 208 mm x 26.5 mm
	Weight	1.15kg

4. Accessories

- **Standard:**



- | | |
|-----------------------------|--------|
| 1) Gimbal Bracket | 1 pc |
| 2) 0.8M HDMI A/A Cable | 1 pair |
| 3) 15V 3A DC Adapter | 1 pc |
| 4) Sunshade | 1 pc |
| 5) VESA Mount Plate Bracket | 1 pc |
| 6) User Manual Card | 1 pc |

- **Optional:**



- | | |
|-----------------------------------|------|
| 7) V-mount (or Anton Bauer Mount) | 1 pc |
|-----------------------------------|------|

6. Trouble Shooting

1) Only black-and-white display:

Check whether the color saturation is properly setup or not.

2) Power on but no pictures:

Check whether the cables of SDI and HDMI are correctly connected or not. Please use the standard power adapter coming with the product package. Improper power input may cause damage.

3) Wrong or abnormal colors:

Check whether the cables are correctly and properly connected or not. Broken or loose pins of the cables may cause a bad connection.

4) When on the picture shows size error:

Press “MENU → FUNCTION → Overscan” to zoom in/out pictures automatically when receiving HDMI signals.

5) Other problems:

Please press “MENU” button and choose “MENU→SYSTEM→ Reset →On”.

Note: Due to constant effort to improve products and product features, specifications may change without notice.