D24

23.8" Native Ultra HD 4K Monitor USER GUIDE
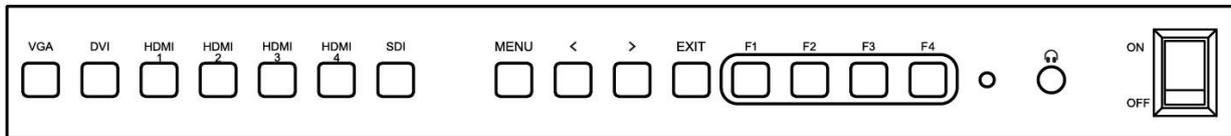
Contents

Safety Instructions

- To help avoid damaging your monitor, connect only one power (DC or battery) in operation.
- Rough handling of product may cause physical damage or malfunction.
- Never insert anything metallic into the monitor openings. Doing so may create the danger of electric shock.
- To avoid electric shock, never touch the inside of the monitor. Only a Qualified should open the monitor's case.
- Openings in the monitor cabinet are provided for ventilation. To prevent overheating, these openings should not be blocked or covered.
- Put your monitor in a location with low humidity and a minimum of dust. Avoid places like damp basement or dusty hallways.
- Place the monitor on a solid surface and treat it carefully. The screen is made of glass and can be damaged if dropped or sharply hit.
- Do not attempt to remove the back cover, as you will be exposed to a shock hazard. The back cover should only be removed by qualified service personnel.
- Unplug the monitor power before you connect external devices to the monitor.
- If your monitor does not operate normally, or if there are any unusual sounds or smells coning from it, unplug it immediately and contact us.
- Please do not disassemble the monitor. No service will be provided in that case.
- Displaying fixed picture for a long time may cause an afterimage or dead Spots. To recover LCD pixels, display whole white picture on screen for an hour or two and pixels will be recovered.
- No service will be provided for user's own color calibration.

Front

Input Switcher(VGA, DVI, HDMI-1(HDMI 2.0), HDMI-2, HDMI-3, HDMI-4, SDI)

MENU
Enter into menu and choose.

Buttons for Adjustment or Choose
Buttons used to adjust Volume/ Brightness/ Contrast/ Hue/ Saturation/ Sharpness/ Backlight.

EXIT
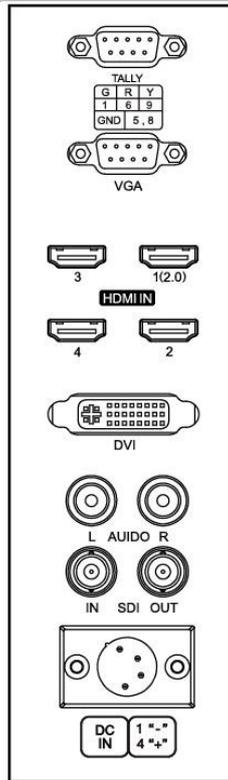Exit the menu/ choose the input signal.

Function Keys
Short press these buttons for functions operation, and long press these buttons for function key setting(Check Field, Freeze, Mute, Temperature, Over Scan, Display Mode, Zoom, Aspect Ratio, Safety Area, Center Marker, Display Rotate).

Indicator

Headphone Jack

Power

Rear

TALLY Indicator Signal Input

VGA Input

HDMI 1(2.0) Input

HDMI 2 Input

HDMI 3 Input
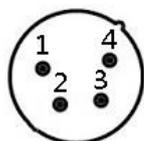
HDMI 4 Input

DVI Input

Audio L/ R Stereo Input

SDI Input

DC Input
For DC power supply. Check the DC Input voltage. In case of using the Battery power, DC 11 ~ 27V is usable.

Pin number	Signal
1	GND
2	No connection
3	No connection
4	V+

MENU Description

General Cautions for OSD Menu or Display

The menu may not be displayed even when user pressed Menu button if there's No Signal, or in unclear signal status.

The menu selection may be saved for each input signal mode, so sometimes user should do menu selection again.

COLOR

COLOR	SDI
Backlight	83
Brightness	50
Contrast	50
Color Adjust	Enter
Hue	50
Saturation	50
Gamma	Off
Color Temp	User

〈 〉:Move   MENU:Select   EXIT:Exit

Backlight
Adjust the Backlight from 0 to 100.

Brightness
Adjust the Brightness from 0 to 100.

Contrast
Adjust the Brightness from 0 to 100.

Color Adjust
Enter to adjust the Hue and Saturation of three primary colors(Red, Green, Blue) and three auxiliary colors(Cyan, Yellow, Magenta).

Hue
Adjust the Hue from 0 to 100.
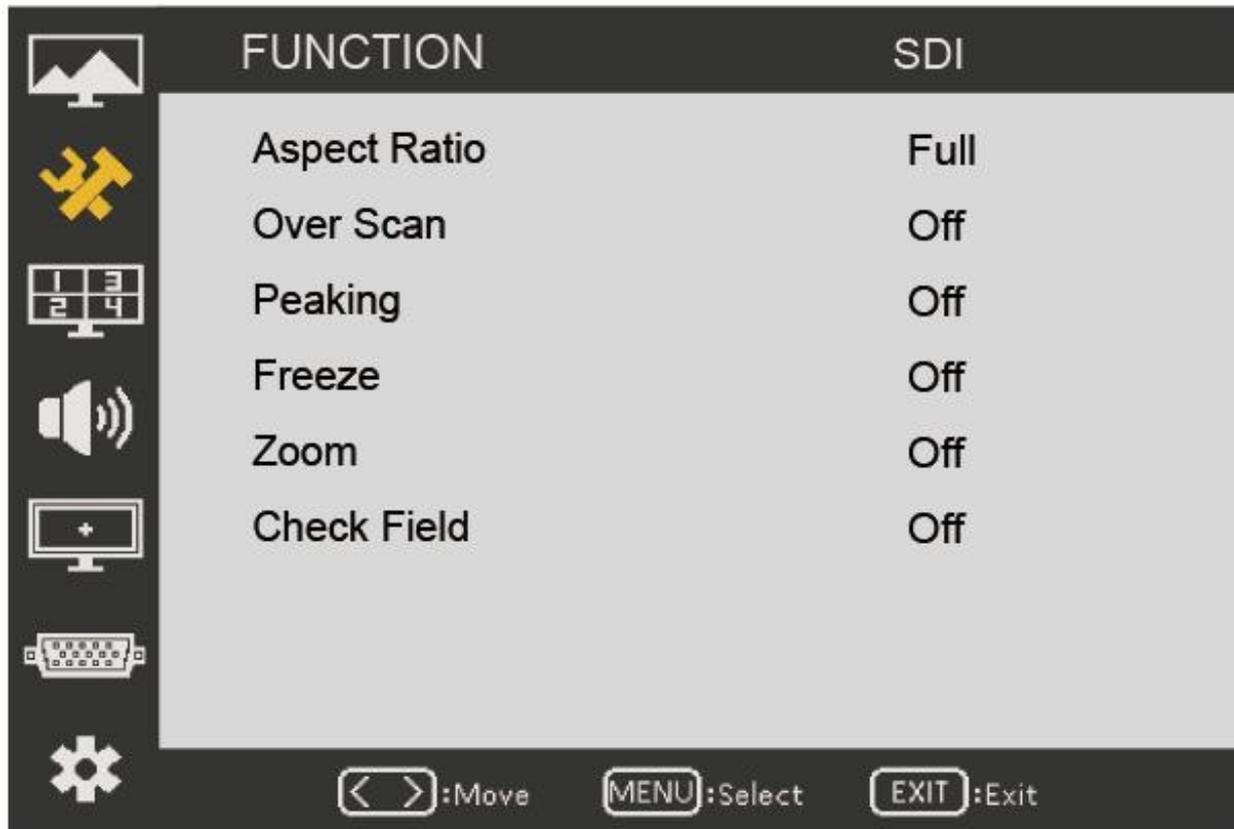
Saturation
Adjust the Saturation from 0 to 100.

Gamma
Adjust the Gamma Off, 1.8, 2.0, 2.2, 2.4.

Color Temp

Select color temperature among User, 9300K, 7500K, 6500K, 5800K or sRGB.(Gain Menu are displayed on USER temperature only).

FUNCTION

Aspect Ratio
Set the Aspect Ratio of the screen to be Full, 16:9, 4:3, 1:1, 2.39:1, 2.35:1, 1.896:1, 1.85:1.

Over Scan
Set the Over Scan to be on/ off. When turn on this mode, the image displays 90% of the original signal.

Peaking
Turns on Peaking mode.

Freeze
Turns on Freeze mode.

Zoom
Turns on Zoom mode, to zoom Z1(the upper left part)/ Z2(upper right part)/ Z3(down left part)/ Z4(down right par)/ Z5(upper half part)/ Z6(down half part) of the image.

Check Field

Turns on Check Field mode. The mode can be set Red, Green, Blue or Mono.

DISPLAY

Display Mode
Set the Display Mode of the screen to be 1P(1 picture), 2P-LR(2 pictures on the left and the right separately), 2P-TB(2 pictures on the top and the bottom separately), PIP(picture in picture), 4P(4 pictures).

Display Function
Enter to set the Rotate, Ratio, Position, Transparency, Size and Input Swap of the image.

Select Region
Choose the Select Region in different Display Mode. To adjust the Brightness, Contrast, Hue, Saturation, Sharpness and Backlight of the images separately or simultaneously.

Input Source
Enter to choose the Input Source(Auto, VGA, SDI, HDMI1, HDMI2, HDMI3, HDMI4 or DVI) for each image.

Information
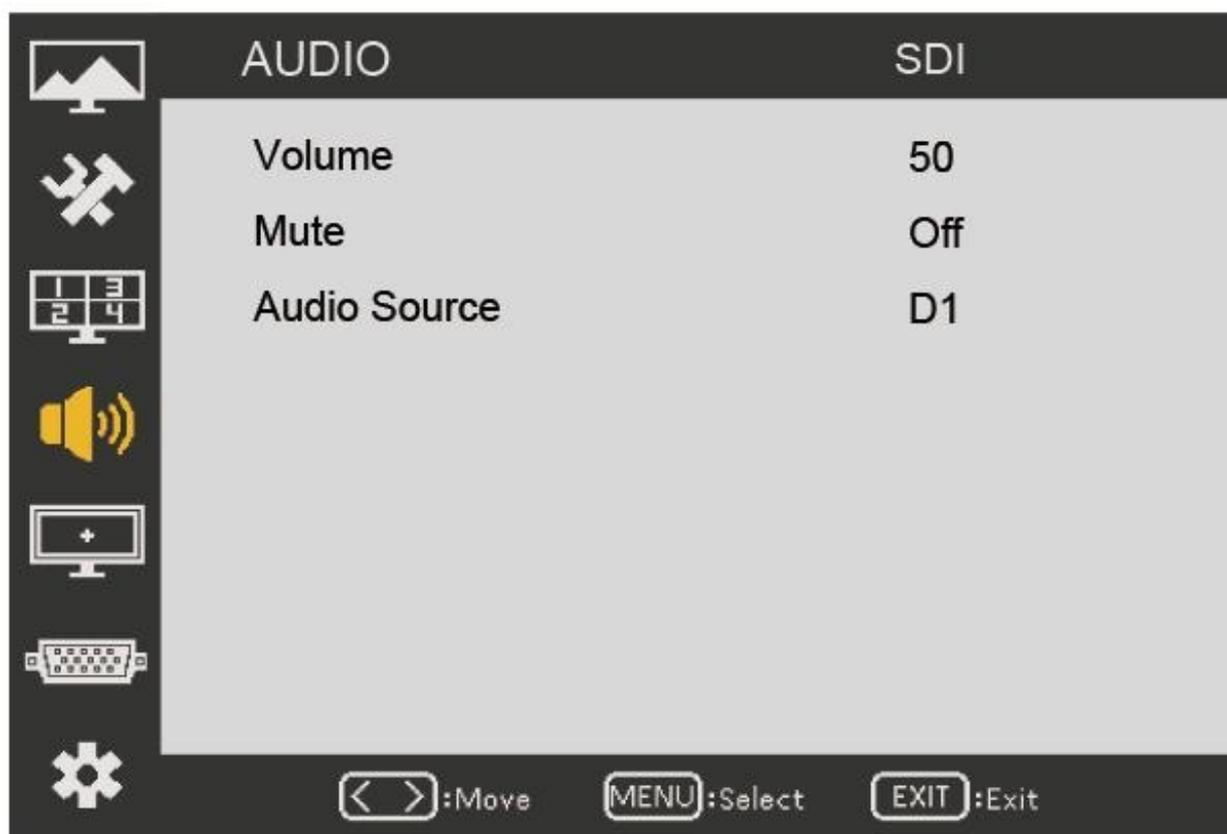Enter to check the information of each image.

DISPLAY FUNCTION

Display Function Setting in Different Display Mode

DISPLAY	SDI
1P Rotate	0°
LR Ratio	0
PIP Position	RB
PIP Transparency	0
PIP Size	5
Input Swap	Enter

⟨ ⟩:Move   MENU:Select   EXIT:Exit

Display Mode	Display Function	Select Region	Input Source
1P	1P Rotate (0°, 90°, 180°, 270°)	1P	SDI, HDMI1 , HDMI2, HDMI3, HDMI4, DVI, Auto, VGA
2P-LR	LR Ratio(0~4); Input Swap	2P-L,2P-R,Full	1P, 2P
2P-TB	Input Swap	2P-T,2P-B,Full	1P, 2P
PIP	PIP Position (LT, RT, LB ， RB ， Mid, User); PIP Transparency(0~10); PIP Size(0~10); Input Swap	Main, Sub, Full	1P, 2P
4P	/	Full, 1P-in, 1P-Out, 2P-in, 2P-Out, 3P-in, 3P-Out, 4P-in, 4P-Out,	1P, 2P, 3P, 4P

AUDIO

Volume
Set Volume of speaker between 0 to 100.

Mute
Turn on/ off the Mute mode.

Audio Source
Select the speaker output between the analog signal(A0) and the digital signal(D1). For VGA/ DVI, use the analog signal(A0). For HDMI/ SDI, use the digital signal(D1).

MARKER

Safety Area
Turn on the Safety Area mode, to adjust size of the Safety Area to be 80%, 85%, 90%, 93% or 96%.

Center Marker
Set Preference to display center marker or not.

Line Width
Set the Line Width of the Safety Area and the Center Marker between 0 to 10.

Line Color
Set the Line Color of the Safety Area and the Center Marker to be Red, Green, Blue or White.

ANALOG

Auto Adjust
When with VGA input, enter the Auto Adjust to set H/ V Positions and Phase auto.

H Position
Adjust the image position on the left/ right of the screen.

V Position
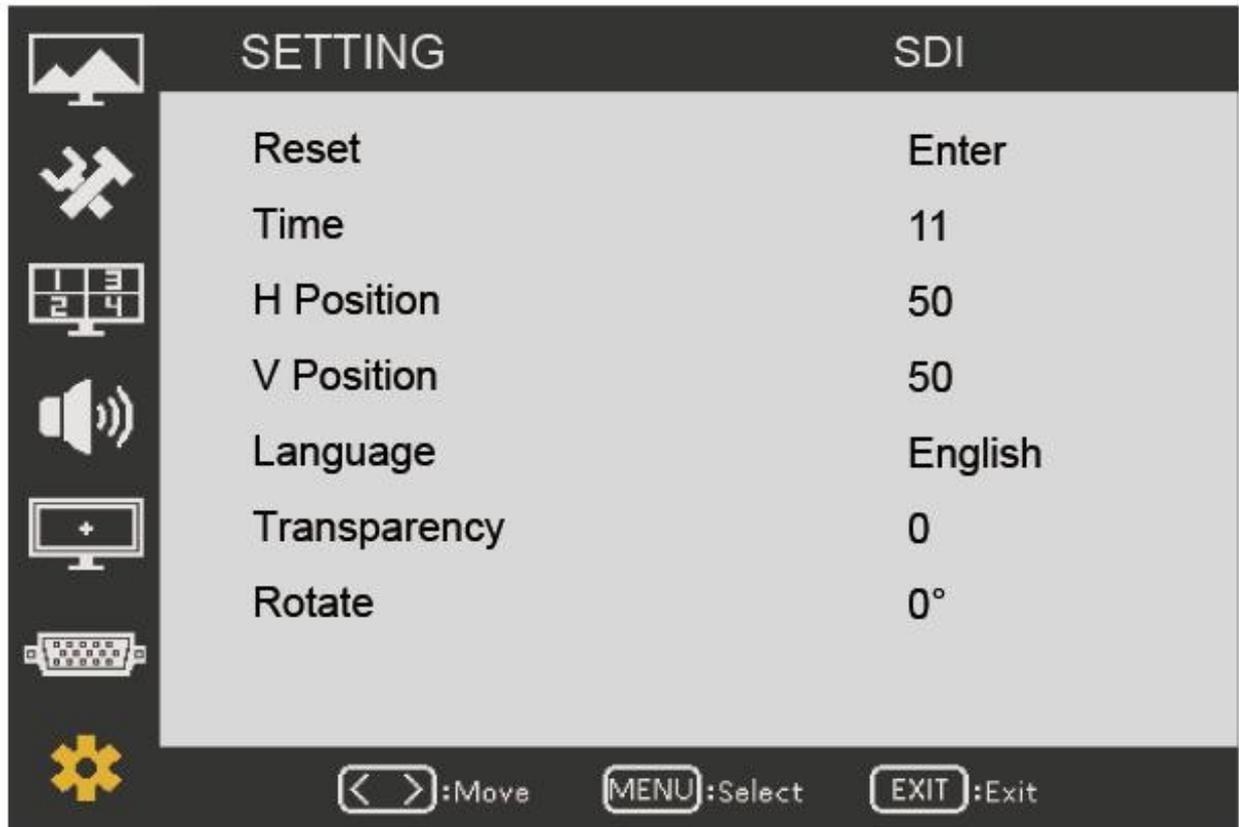Adjust the image position on the top/ bottom of the screen.

Clock
Adjust the screen linear displayed on the screen.

Phase
Adjust the timing interference of the monitor, generally do not use it.

SETTING

Reset
Reset all the parameters of the monitor to factory setting.

Time
Set the menu display time between 1 to 60s.

H Position
Adjust the menu H Position displayed on the screen.

V Position
Adjust the menu V Position displayed on the screen.

Language
Set the menu display language between English and Chinese.

Transparency
Adjust the transparency of the menu display between 0 to 255.

Rotate
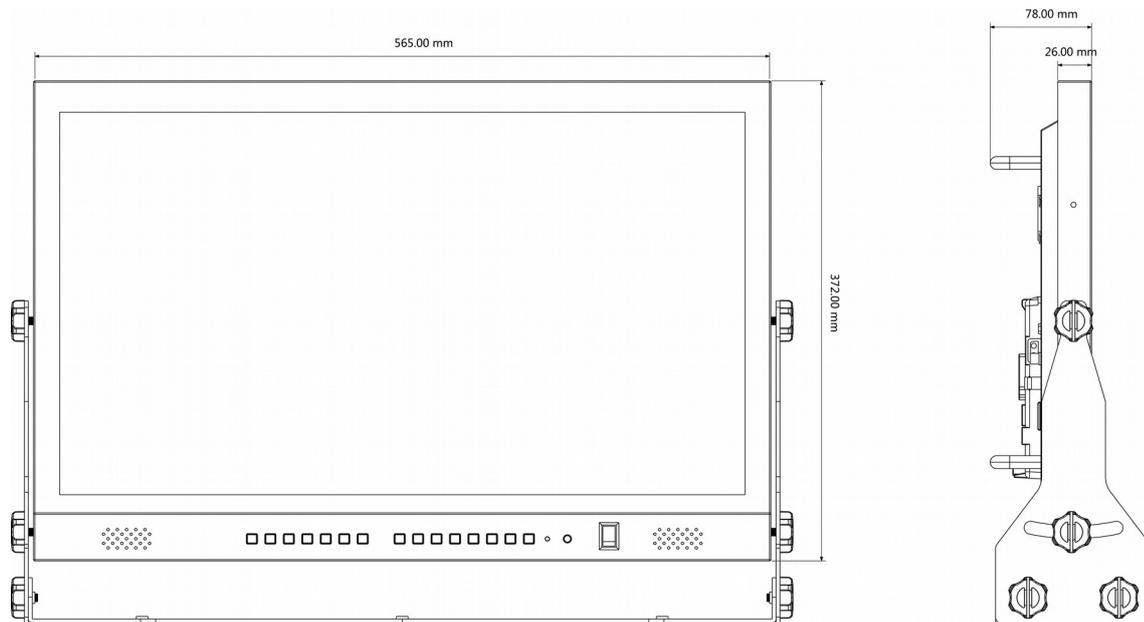Adjust the Rotate of the menu display between   0°, 90°, 270° .

List of Compatible Video Formats

Signals	Input Signal Formats
HDMI	4K 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)
SDI	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)

Specifications

Panel Size	23.8″ IPS LCD
Resolution	3840 (H)×2160(V) pixels
Dot Pitch (mm)	0.13725(H)×0.13725(V)
Brightness	310 cd/m²
Contrast	1000:1
Viewing Angle	178°(L/R) /178°(U/D)°
Backlight	LED
Input Voltage	DC 13 ~ 18V
Input Signal	HDMIx4(HDMI2.0 x 1; HDMI1.4 x 3) SDI, DVI, VGA, Audio(L/R), Tally, USB Upgrade
Output Signal	SDI
Audio Output	Headphone Jack, Speaker
Power Consumption	≤ 42W
Special Function	TALLY indicator
Working Temperature	- 10 ~ 50℃
Storage Temperature	- 20 ~ 60℃
Unit Size (mm)	565W×372H×78D (without U stand) 601.0W×420.7H×124.1D (with U stand)
Unit Weight	7.26kg (with U stand)

Dimension

D24 (W X H X D)

601.0×420.7×124.1mm

(23.7 x 16.6 x 4.9 inches)

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CONDITIONS OF WARRANTY SERVICE
 • Free service for one year from the day of purchase if the problem is caused by manufacturing errors.
 • The components and maintenance service fee will be charged if the warranty period has expired.

Free Service will not be Provided in the Following Situations: (* Even if the product is still within the warranty period.)
   • Damage caused by abuse or misuse, dismantling, or changes to the product not made by the company.
   • Damage caused by natural disaster, abnormal voltage, and environmental factors etc.