17.3" 1RU FHD Pull-out Rack Mount Monitor

User Manual

Product Overview

Thank you for purchasing our broadcast monitor, which adopts advanced integrated digital signal processing circuits and professional IPS LED panel, which makes it high brightness, low power consumption, stable performance, etc. It is equipped with SDI (Optional), HDMI DVI, YPbPr, VGA, Video, Audio input which make it wide application, casing compact, simple operation, portable convenience and strong compatibility. Advanced features include Focus Assist, Center Marker, Safe Frames, Image Flip, Image Freeze, Zoom, Color Temp., Picture Setting, Color Setting, etc. The 1RU drawer rack design can be used for custom monitoring solutions. A variety of installation methods can be applied to broadcast, on-site monitoring and live broadcast van.

To insure the best use of the unit, please read the user's manual carefully

CAUTION

- Please avoid the heavy impact and drop onto the ground when move the product.
- 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.

Features

- Full metal 1RU drawer design for reliable space saving
- Support SDI (Optional), HDMI, DVI, YPbPr, VGA, Video, Audio signal input
- Focus Assist
- Check Field (Red, Green, Blue, Mono)
- Image Flip (H, V, H/V)
- Image Freeze
- Image Zoom-in function
- Pixel to Pixel
- Safe Frames and Center Marker
- Brightness, Contrast, Tint, Saturation and Color Temp Adjustment.
- Headphone stereo output is convenient for monitoring

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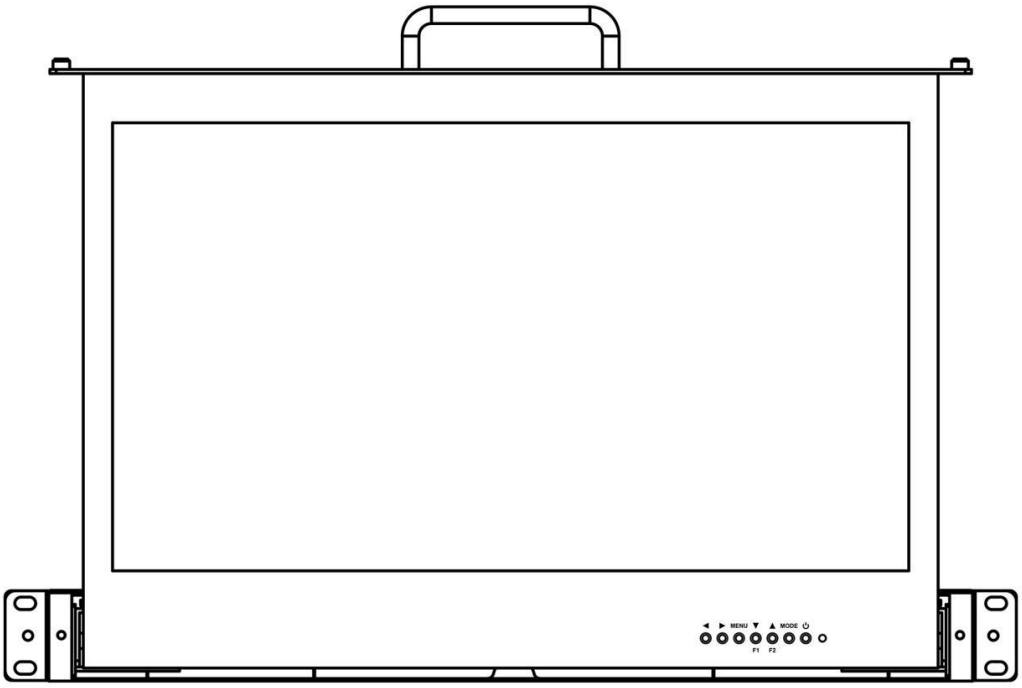
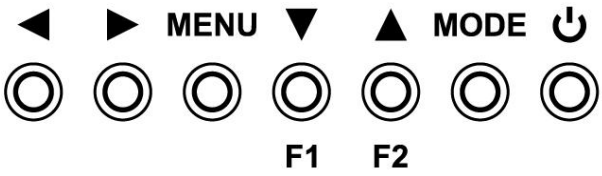
1. Product Description

1.1 Front Panel

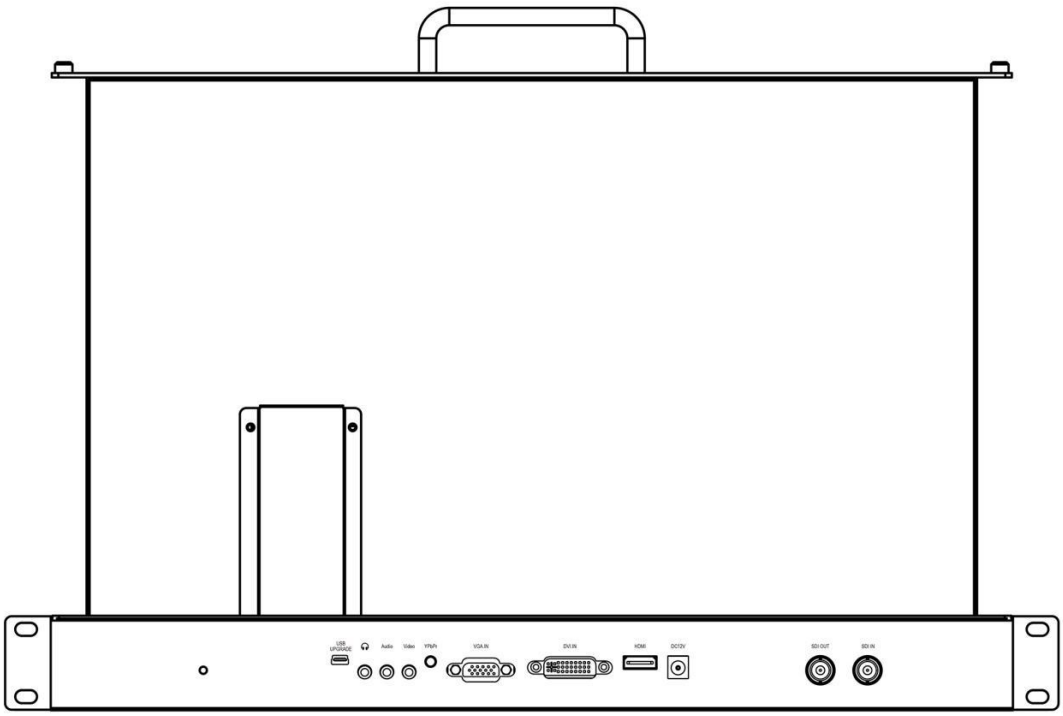


● **Button Instruction**

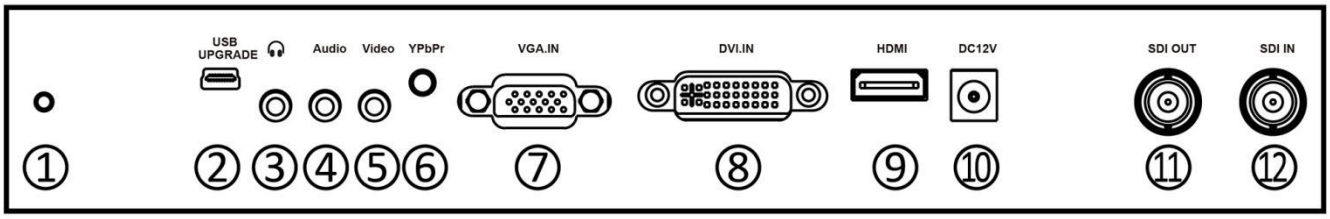


Button	Function when OSD is not displayed	Function when OSD is displayed
◀	Decrease the volume	Decrease or adjust value of selected parameter
▶	Increase the volume	Increase or adjust value of selected parameter
MENU	Display OSD main menu	Return to previous OSD menu
▼/F1	Custom button F1	Select next menu item
▲/F2	Custom button F2	Select previous menu item
MODE	Signal input selection	/
⏻	Power on/off button	

2. Rear Panel



● Interfaces Instruction



① Ground Connection

② USB Upgrade Port

③ Earphone Jack

④ Audio Input Port

⑤ Video Input Port

⑥ YPbPr Input Port

⑦ VGA Input Port

⑧ DVI Input Port

⑨ HDMI Input Port

⑩ DC Power Port

⑪ SDI Output Port

⑫ SDI Input Port

1.3 1RU Drawer Rack Design

The all-metal 1RU drawer rack design not only can save the space of rack greatly with a 17.3 inch monitor, but also viewed from different angles when monitoring.

Step:

①. Loosen the locking screws on both sides of the monitor frame counterclockwise.

②. Grasp the handle of the monitor and slowly pull it out. Never use excessive force to tear the machine.

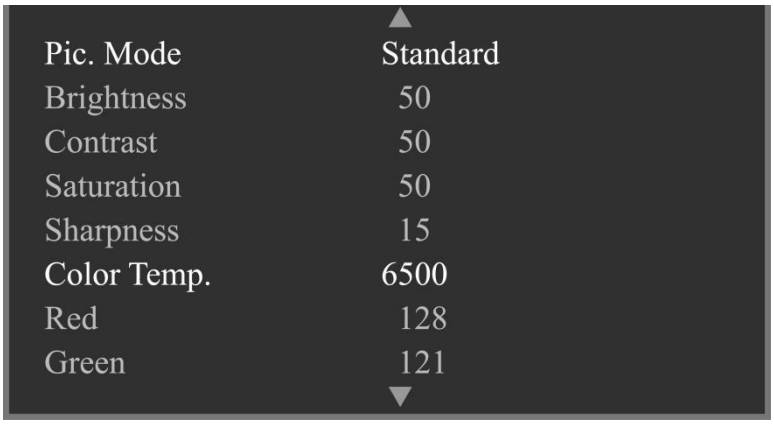
③. After the monitor is fully extracted, turn it up to the proper angle.

2. Menu Operation Instruction

After correctly connect to the power supply, the indicator will turn Red, press ⏻ to turn on monitor power, the indicator will be Yellow, and then input signals, the indicator will turn Green.

2.1 Press "**MENU**" button to enter OSD main menu, and press "◀" or "▶" button to go through the secondary menu function.

2.2 Then press "▼" button to enter secondary menu.



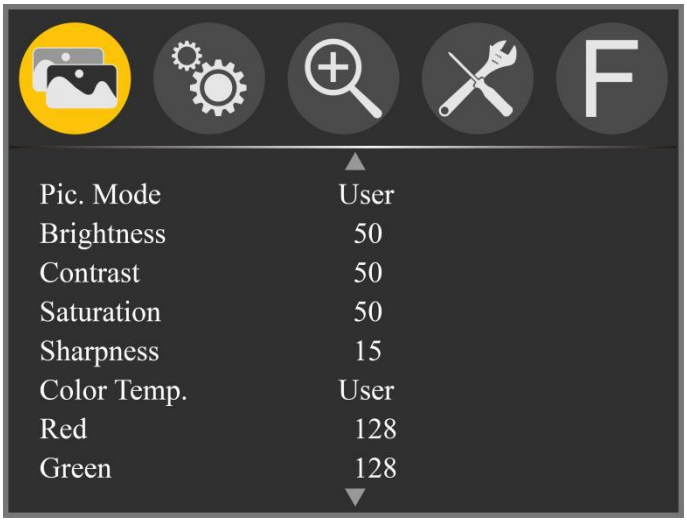
Press "▼" or "▲" button to move cursor and select the items in the secondary menu.

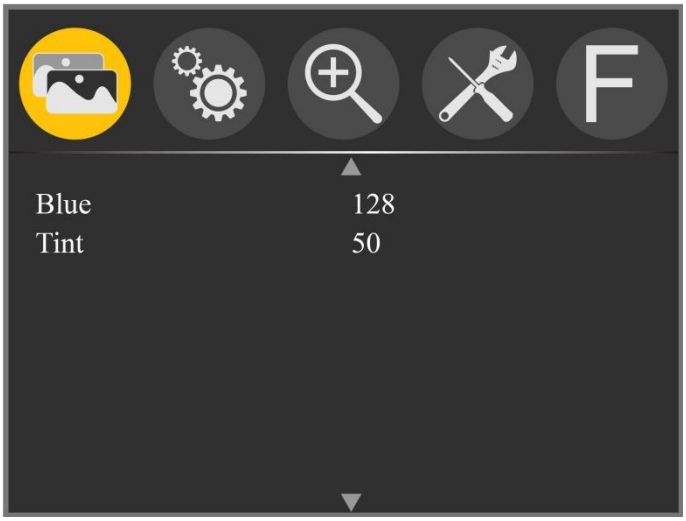
2.3 After select the items in the secondary menu, press "◀" or "▶" button to adjust the item parameters.

2.4 Press "**MENU**" button to confirm the item adjustment and exit the menu.

3. Menu Function Instruction

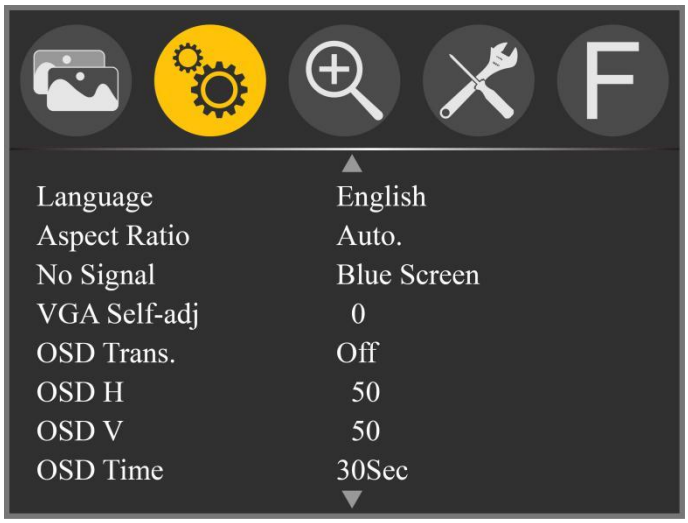
- **Image (Including 2 pages)**

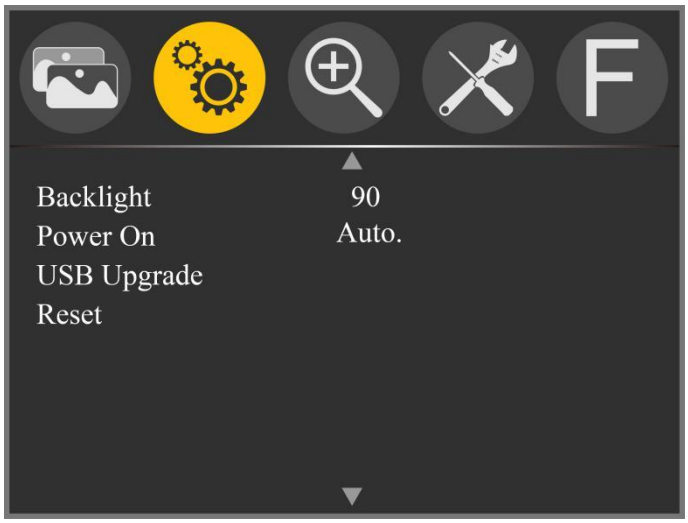




Pic. Mode	**Standard, Mild, User, Dynamic** Under "User", you can adjust the **Brightness**, **Contrast**, **Saturation**, and **sharpness**.
Brightness	**0～100**
Contrast	**0～100**
Saturation	**0～100**
Sharpness	**0～100**
Color Temp.	**6500, 9300, User** Under "User", you can adjust the **Red**, **Green**, **Blue**.
Tint	**0～100**

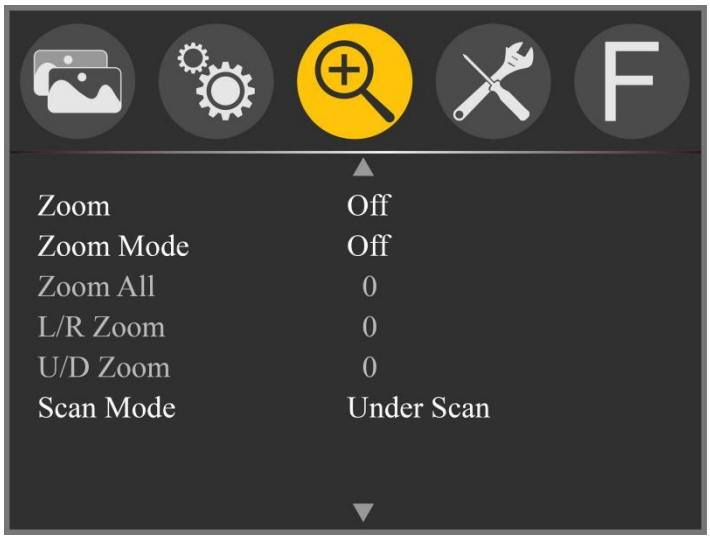
● **Setting (including 2 pages)**





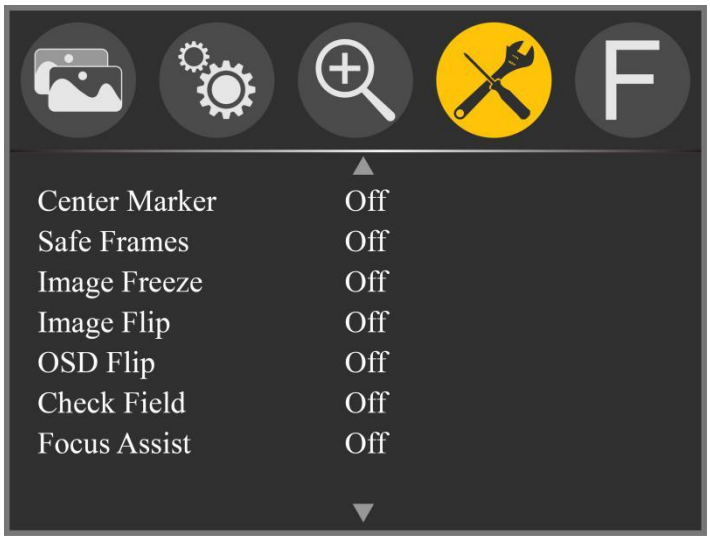
Language	**English, 简体中文, Español, Português, Français, Nederlands, Deutsch, 日本語, 繁體中文**
Aspect Ratio	**Auto., 4:3, 16:9, Just Scan, Panorama, P2P**
No Signal	**Blue Screen, Red Screen, Green Screen, Black Screen, White Screen**
VGA Self-aji	**0～10**
OSD Trans.	**Off, Low, Middle, High**
OSD H	**0～100**
OSD V	**0～100**
OSD Time	**Off, 10Sec, 20Sec, 30Sec**
Backlight	**0～100**
Power On	**Auto., Manual**
USB Upgrade	Copy the file to the U disk, connect the USB cable, press "▶" button to confirm
Reset	Press "▶" button to confirm, back to original setting

● Zoom



Zoom	**Off, 4X, 9X, 16X**
Zoom Mode	**Off, Mode1, Mode2** When the mode is turned on, **Zoom All, L/R Zoom, U/D Zoom** can be customized.
Zoom All	**0～100**
L/R Zoom	**0～100**
U/D Zoom	**0～100**
Scan Mode	**Under Scan, Over Scan**

● Function



Center Marker	**Off, On**
Safe Frames	**Off, 80%, 85%, 90%, 96%, 93%, 2.35:1**
Image Freeze	**Off, On**
Image Flip	**Off, H Flip, V Flip, H_V Flip**
OSD Flip	**Off, On**
Check Field	**Off, Mono, Red, Green, Blue**
Focus Assist	**Off, On**

● Custom Shortcut Setting F1～F2

F1/ F2	**Center Marker, Safe Frames, Check Field, Focus Assist, Aspect Ratio, Image Flip, Image Freeze, Zoom, VGA Self-adj**

4. Technical Parameters

Panel Size	17.3" IPS
Resolution	1920x1080 pixels
Dot Pitch	0.1989(H)x0.1989(V) mm
Aspect Ratio	16:9
Brightness	300cd/m²
Contrast	700:1
Viewing Angle	89°/89°(L/R) 89°/89°(U/D)
Backlight	LED
Input	SDI (Optional), HDMI, DVI, VGA, YPbPr, Video, Audio
output	SDI (Optional)
Audio	3.5mm Stereo Headphone
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 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 (30/29.97/25/24/23.98Hz) 4096×2160p (24Hz)
Input Voltage	DC7~24V
Power Consumption	≦10W
Install Way	Rack Mount
Working Temperature	- 20℃～50℃
Storage Temperature	- 30℃～60℃
Unit Size	485Lx462Hx43.5D (mm)
Unit Weight	7.7kg

5. Trouble Shooting

5.1 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.

5.2 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.

5.3 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.

■ **Remarks:** 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.