

Instruction Manual



IMPORTANT SAFETY INSTRUCTIONS:



The device has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the device should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Please do not place the display screen towards the ground to avoid scratching the LCD surface.
- Please avoid heavy impact.
- Please do not use chemical solutions to clean this product. Simply 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-shooting to adjust the product.
- Internal adjustments or repairs must be performed by a qualified technician.
- Please keep user guide for future reference.
- Please unplug the power and remove the battery if long-term no-use, or thunder weather.

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1. PRODUCT DESCRIPTION

1.1 Overview

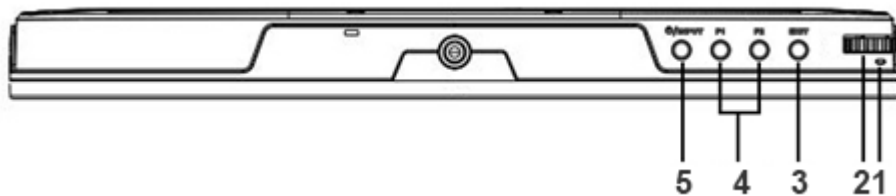
The 10.1" monitor utilizing a full HD 1920*1200 LED backlit LCD panel which housed in a lightweight case. It is compatible with HDMI and VGA signals which can be controlled by USB touch. The monitor is widely used in various environment, i.e. commercial public display, external screen, industrial operation and so on.

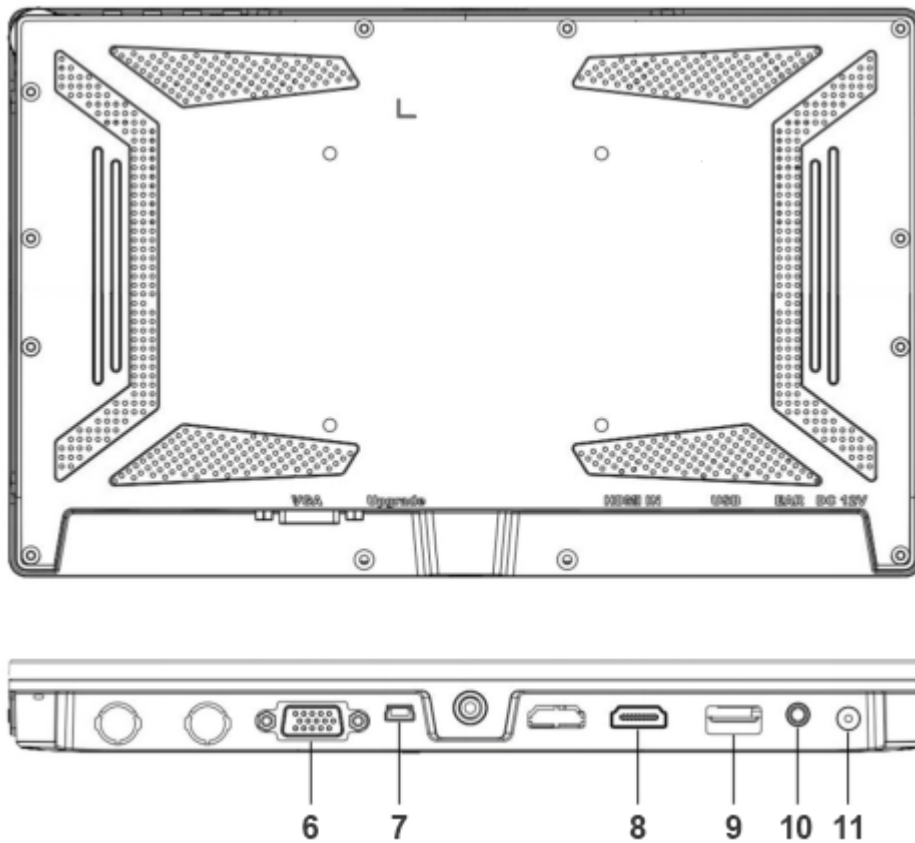
1.2 Main Features

- Supports multiple video input interfaces: HDMI, VGA
- High resolution of 1920x1200 pixels

- High contrast: 1000:1
- Adopt the unique Glass+Glass technology
- Capacitive touch screen is optional
- F1&F2 user-definable buttons to custom auxiliary functions as shortcut
- Individual adjustments of Brightness, Contrast, Brightness, Saturation, Sharpness and Color Temp, etc.
- Support Scan, Check Field, Zoom, Freeze, Image Flip functions
- Equipped with 75mm VESA holes
- Compatible with sunshade, that can be used under sunlight
- Built-in high level components to support 7 to 24V power supply voltage
- Working safely with ultra-low current in any situation

2. CONNECTIONS AND CONTROLS





1. **Power Indicator**
 - Green light is power on.
2. **Menu Dial**
 - FN function: Dial left or right to adjust the volume when power on.
 - Menu function: Press to activate menu displayed on screen when power on.
 - Option function: Select option via dialing to the left or right.
 - Confirm function: Press to confirm after option selected.
3. **Exit**
 - Return.
 - Exit.
4. **F1,F2 User-definable Buttons**
 - F1: Scan.
 - F2: Mute.
5. **⏻/Input**
 - Power.

- Switch input signal after power on.
6. **VGA Input Interface**
 - Video input from an VGA device.
 7. **Mini USB Port**
 - Only for system upgrade
 8. **HDMI Input Interface**
 - Video and audio input from an HDMI device.
 9. **USB Port**
 - Only for touch function
 10. **Earphone Jack**
 - 3.5mm headphone socket. Internal speaker circuit will automatically mute when earphone jack is connected.
 11. **DC Power Input**
 - DC In socket for connecting power supply.

3. MENU SETTING

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

3.1 Shortcut Keys

3.1.1 Dial

Dialing to the left or right when power on, volume will appear at the bottom of the

screen. Then press the dial to switch among of volume, brightness, contrast, saturation, tint, sharpness and exit. User can adjust the value of the selected option via the dial.

3.1.2 F1-F2

Slide and press the dial to select System- > F1&F2 configuration. Slide the dial to select the option and press again to confirm it.

The user-definable functions can be customized: Scan, Aspect, DSLR, Freeze, Image flip, Mute and Check field

3.2 Menu Operation

When power on, press the dial on the device to activate the menu setting.

Dial left or right to choose menu option and press it to confirm. The selected one will be green highlighted.

3.2.1 Picture



ITEMS	OPTIONS
Brightness	0 – 100
Contrast	0 – 100
Saturation	0 – 100
Tint	0 – 100
Sharpness	0 – 100

Color Temp.	6500 K/7500K/9300K/USER		Note: Only available when under "User" mode to choose the color value needed.
	Red gain	0 - 255	
	Green gain	0 - 255	
	Blue gain	0 - 255	
	Red offset	0 - 511	
	Green offset	0 - 511	
	Blue offset	0 - 511	

- **Brightness**

Adjust the general brightness of the LCD. For example, if the user is outside in bright conditions, increase the LCD brightness to make it easier to view.

- **Contrast**

Increases or decreases the range between the bright and dark areas of the image. High contrast can reveal detail and depth in the image, and low contrast can make the image appear soft and flat.

- **Saturation**

Adjust the color intensity. Turn the knob right to increase the color intensity and turn left to decrease it.

- **Tint**

Use this setting to choose the tint from 0 to 100.

- **Sharpness**

Increase or decrease the sharpness of the image. Increase the sharpness to make the image clearer when the image sharpness is insufficient.

- **Color Temp.**

Adjust the color temperature to make the image warmer (Yellow) or colder (Blue). Increase the value to make the image be warmer, decrease the value to make the image be colder. User can use this function to strengthen, weaken or balance the image color according requirements. The standard white light color temperature is 6500K. **Note: Only available under "User" mode to adjust Color Bias and Gain.**

3.2.2 Function



ITEMS	OPTIONS	
Scan	Aspect, Pixel to Pixel, Zoom	
Aspect	Full/16:9/1.85:1/2.35:1/4:3/3:2/1.3X/ 2.0X/2.0X MAG	Only available under Aspect Mode.
Display Scan	Fullscan, Underscan, Overscan	Only available under Aspect and HDMI Mode.
Check Field	Off, Mono, Red, Green, Blue	
Zoom	X1.5/X2/X3/X4	Only available when the Scan is under Zoom mode.
Freeze	Off, On	

- **Scan**

Use this menu option to choose Scan mode. There are three modes preset.

- **Aspect:**

Select Aspect under Scan option, then use Aspect option to switch between several aspect ratio setting. Users can select related aspect ratio according to different signal input to meet the best viewing experience.

For example: In 4:3 mode, images are scaled up or down to fill the maximum 4:3 portion of the screen. In 16:9 mode, images are scaled to fill the entire screen.

- **Pixel to Pixel**

The pixel to pixel is a monitor set to 1:1 pixel mapping with native fixed pixels, which avoids loss of sharpness due to scaling artifacts and normally avoids incorrect aspect ratio due to stretching.

- **Zoom**

The image can be enlarged by X1.5/X2/X3/X4 ratios. To select the "Zoom" under Scan, choose the times under Zoom option which underneath the Check Field option.

- **Freeze**

Freeze or unfreeze the current image on the screen.

3.2.3 Audio



ITEMS	OPTIONS
Volume	0-100
Mute	Off, On

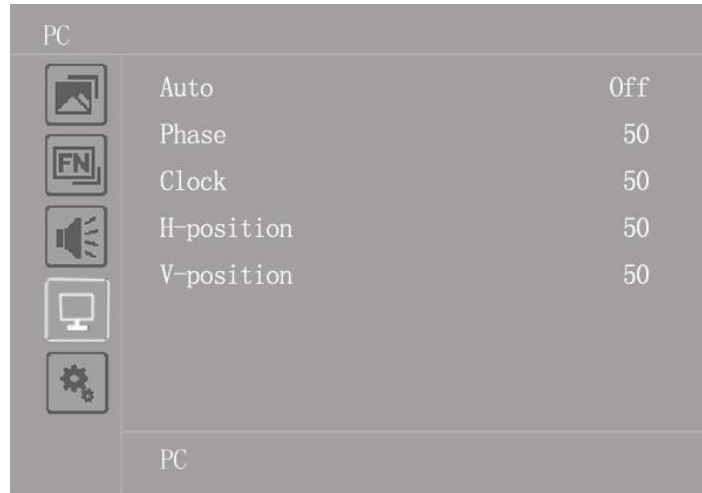
- **Volume**

Adjust the volume for the built in speaker and earphone jack audio signal.

- **Mute**

Open or close the audio.

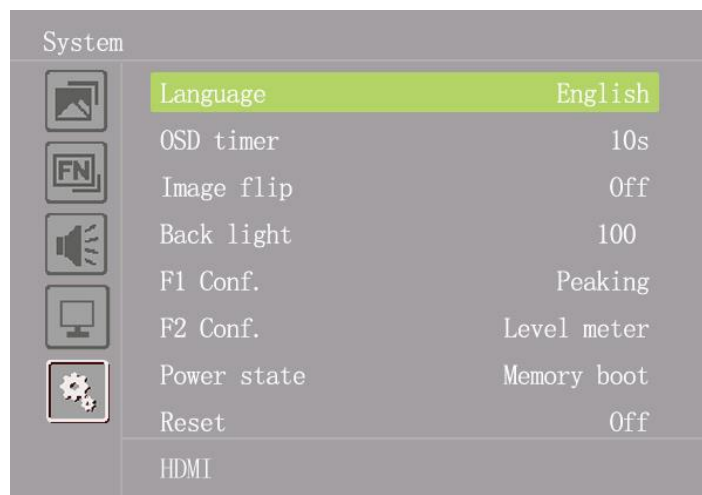
3.2.4 PC (Only for connecting to computer)



ITEM	OPTIONS
Auto	On, Off
Phase	0-100
Clock	0-100
H-position	0-100
V-position	0-100

Note: Only available under PC mode.

3.2.5 System



ITEM	OPTION
Language	English/中文
OSD timer	10s, 20s, 30s
Image flip	Off, H/V, H, V
Back light	0-100
F1 Conf.	See the details as below.
F2 Conf.	See the details as below.
Power state	Memory boot, Power down, Power up
Reset	Off, On

- **Language**
Switch between English, Chinese.
- **OSD Timer**
It supports setting the exit time of OSD. For example, the OSD will be closed automatically after 10s if without any operation when selected 10s. It can be selected among 10s, 20s, and 30s.
- **Image Flip**
Use this setting to activate or deactivate the Image Flip function. It has three modes to be chose: H/V, H, V
- **Back Light**
Adjust the back light of display panel from 0-100.
- **F1&F2 Configuration**
Select the user-defined shortcut button.
- **Power State**
Support Memory boot, power down and power up modes.
- **Reset**
If there is any problem unknown, press to confirm after selecting. The monitor will return to default set.

4. PARAMETERS

Display Screen	10.1 inch 8bits
Physical Resolution	1920x1200
Brightness	320cd/m ²
Contrast	1000:1
Viewing Angle	175°/175° (H/V)
Input Signal	HDMI, VGA
Touch Function	Capacitive (Optional)
Input Voltage	DC 7-24V
Power Consumption	≤ 10W
Operating Temperature	0°C~50°C
Storage Temperature	-20°C~60°C
Dimension(LWD)	252x157x25mm
Weight	535g

5. ACCESSORIES

Standard

- 12V DC Adapter 1pc
- VGA Cable 1pc
- HDMI A/A 1pc
- Manual 1pc
- USB Cable (For touch function) 1pc

Optional

- 75MM VESA Fold Mount 1pc
- Sun shade 1pc

6. TROUBLE SHOOTING

- **Only black-and-white display:**

Check whether the color saturation is properly setup or not.

- **Power on but no pictures:**

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


- **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.

- **When on the picture shows size error:**

Press “Menu → Display → Underscan” to zoom in/out pictures automatically when receiving HDMI signals

- **Other problems:**

Please press “” button and choose “Menu→System→ Reset →ON”.

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