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.

YP-01191113

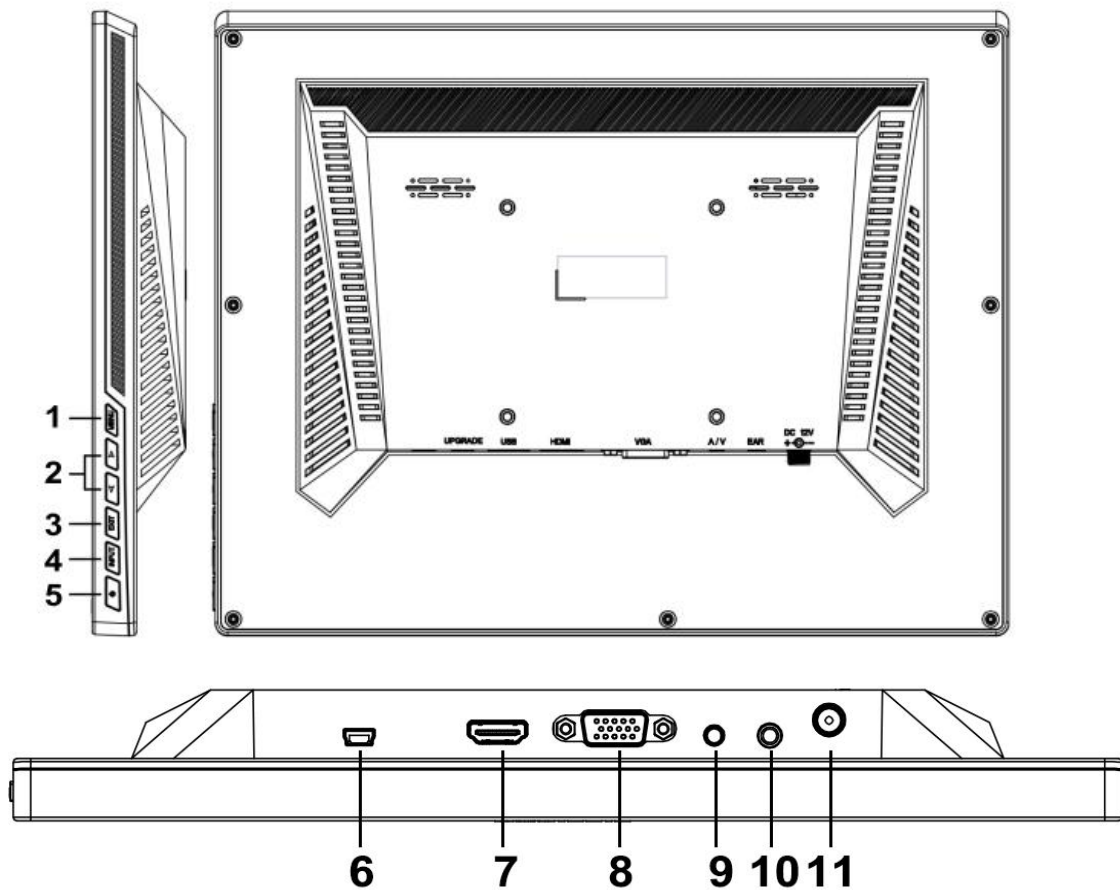# CONTENTS

1. PRODUCT DESCRIPTION

1.1 Overview

The 12.1" monitor utilizing a 1024*768, 800cd/m2 high brightness LED backlit LCD panel which housed in a lightweight case. It is compatible with HDMI, VGA, composite signals which can be controlled by USB touch. The monitor is widely used in various environments, i.e. commercial public display, external screen, industrial operation, etc.

1.2 Main Features

- Supports multiple video input interfaces: HDMI, VGA, CVBS, DVI(optional)
- Support 4K 30Hz HDMI input
- High brightness 800cd/m2
- Capacitive touch screen is optional
- Individual adjustments of Brightness, Contrast, Brightness, Saturation, Sharpness, Aspect and Color Temp, etc.
- Support Scan, Underscan, Zoom, Freeze functions
- Equipped with 75mm VESA holes
- Built-in high level components to support 10V to 24V power supply voltage
- Wide working temperature -20~70° C

2. CONNECTIONS AND CONTROLS

1. **Menu**

   ● Activate menu displayed on screen after power on.

   ● Confirm after option selected.

2. **▲▼**

   ● Select the functions on OSD

   ● Adjust the volume, Contrast, Saturation, Tint up or down

3. **Exit**

   ● Return

   ● Exit.

4. **Input**

   ● Switch input signal after power on

5. **⏻**

   ● Power ON/OFF

6. Upgrade

- This port is used for maintenance, firmware update or further function upgrading. Only by the original manufacturer. For customers, please DO NOT uses this service port.

7. HDMI Input

- Video and audio input from a device with HDMI

8. VGA Input

- Video input from the device with VGA

9. AV Input

- Video and audio input from a device with CVBS

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 ▲▼

Pressing the ▲or▼ buttons when power on, volume will appear at the bottom of the screen. Then press the menu button to switch among of volume, brightness, contrast, saturation, tint, and exit. User can adjust the value of the selected option via the ▲ and ▼ buttons..

3.2 Menu Operation

When powered on, press the menu button on the device to activate the menu setting. Press the buttons ▲ and ▼ to choose menu option and press menu button to confirm it. 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		
Color Temp.	6500 K/7500K/9300K/USER		
	Red gain	0 - 255	Note: Only available when under "User" mode to choose the color value needed.
	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**

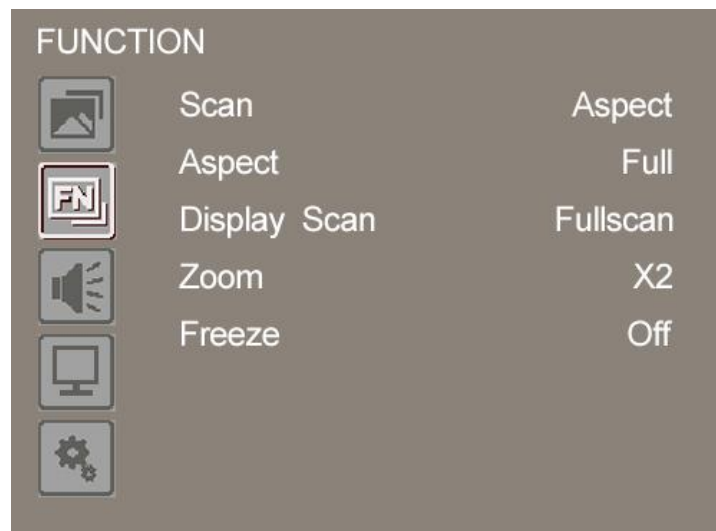Adjust the color intensity from 0 to 100.

● **Tint**

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

● **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/16:9/1.85:1/2.35:1/3:2	Only available under Aspect Mode.
Display Scan	Fullscan, Underscan, Overscan	Only available under Zoom ,Aspect and HDMI Mode.
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.

- **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.
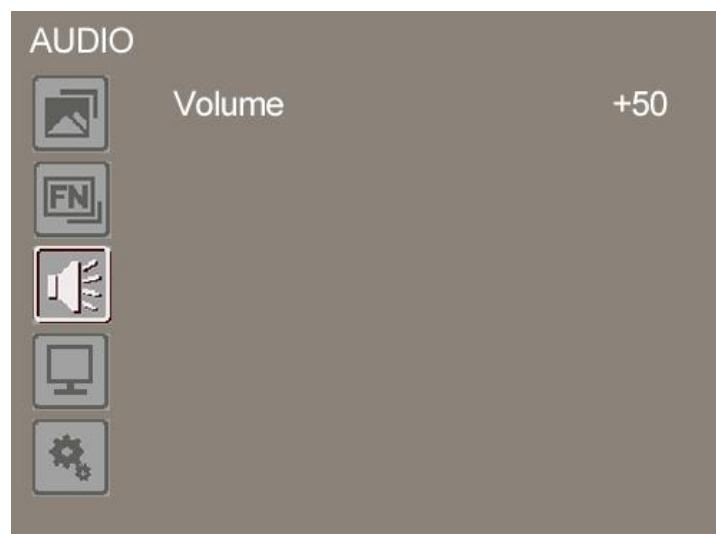
- **Zoom**

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

- **Freeze**

  Freeze or unfreeze the current image on the screen.

3.2.3 Audio

ITEMS	OPTIONS
Volume	0-100

- **Volume**

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

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.

● **Auto**

Select [On], the monitor can adjust the position of the image automatically.

Select [Off], users can adjust the position of the image manually.

● **Phase**

Adjust internal phase sequence difference. There is no obvious change when adjusting this item's value.

● **Clock**

Adjust internal oscillation frequency when interference occurs. Adjust this item, the image can be compressed or stretched left or right.
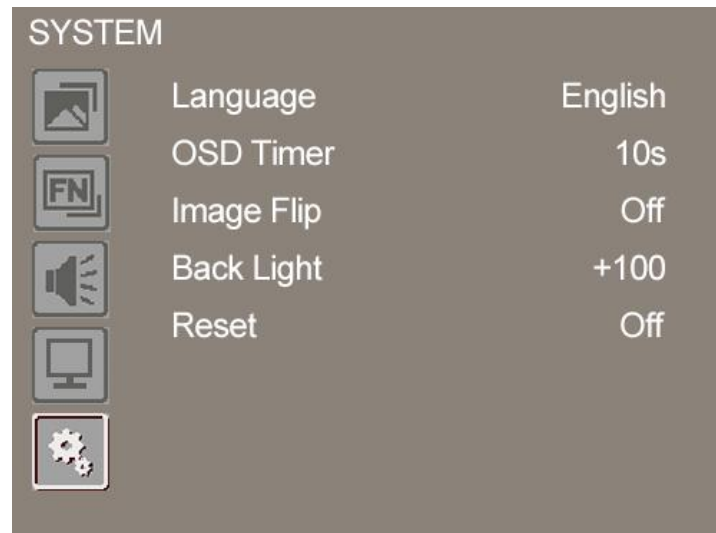
● **H-Position**

Horizontally adjust the position of the image on the screen.

● **V-Position**

Vertically adjust the position of the image on the screen.

3.2.5 System

ITEM	OPTION
Language	English/中文
OSD timer	10s, 20s, 30s
Image flip	Off, H/V, V, H
Back light	0-100
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.

● **Reset**

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

return to default set.

4. PARAMETERS

Display Screen	12.1 inch 8bits
Physical Resolution	1024x768
Brightness	800cd/㎡
Contrast	900:1
Viewing Angle	170°/170° (H/V)
Input Signal	CVBS(AV),HDMI, VGA
Touch Function	Capacitive (Optional)
Input Voltage	DC 12-24V
Power Consumption	≤ 13W
Operating Temperature	-30~80℃
Storage Temperature	-30~85℃
Dimension(LWD)	284.4×224.1×33.4mm
Weight	1.27kg

5. ACCESSORIES

Standard

- 12V DC Adapter   1pc
- VGA Cable   1pc
- HDMI A/A   1pc
- Audio/Video RCA Cable   1pc
- Driver Disk (For touch only)   1pc
- USB Cable (For touch only)   1pc
- Manual   1pc

Optional

- 75MM VESA Fold Mount   1pc
- HDMI to DVI Cable   1pc
- Remote Control   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 AV, 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:**

  Please press "MENU → FUNCTION →Display Scan→ Underscan" to zoom in/out

  pictures automatically when receiving HDMI signals

- **Other problems:**

  Please press "MENU→SYSTEM→ Reset →ON" to do the factory reset.

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