TFT LCD COLOR MONITOR

User Manual

Dear users,

Welcome to use the company's color liquid crystal display monitor (touch for optional), the display employs the latest digital processing circuit and the high quality TFT LCD display, not only has low power consumption, stable performance, easy operation, etc. advantages, but also has VGA, AV, HDMI, signal inputs. Sunshade cover installation, can be monitoring for outside，Mainly used in closed-circuit surveillance systems, car video, PC operating systems, vehicle navigation systems supporting display, can also be applied in support POS, ATM and instrumentation, industrial automation display systems. AV2 Video input is special for FPV monitor system, NO Blue screen under weak signal。

This Model is resistive and capacitive touch screen optional, to realize the user's operation touching and choose the contents on the screen by finger, it, so that save the keyboard and mouse as traditional operation!

It can be applied to these fields: Information Inquiry; Official Business; Computer Game; KTV Menu; Multi-Media Education, Tickets Machine, etc.

To ensure the best use of the unit, please read this handbook carefully beforehand.

CAUTION

1. Please use the adapter attached in the accessory.
2. Do not expose this product to direct sunlight, heat or humid conditions.
3. Keep away from strong light while using this product so as to obtain the clearest and the most colorful picture.
4. Please avoid heavy impact or drop onto the ground.
5. Do not use chemical solutions to clean this unit, please simply wipe with clean soft cloth to keep the brightness of the surface.
6. Without adjustable component in the unit, please do not take apart or repair the unit by yourself, to avoid damage the product.

Product Features

- FPV aerial dedicated input port, High Definition, High Brightness, No Blue Screen under weak signal
- 1024*600 high resolution, view details of the image
- Multiple color format support, manually enter the menu to select the appropriate standard, stronger adaptability
- Analog composite video AV input, connect FPV aerial camera
- 16:9 screen ratio, switch 16:9 & 4:3 display mode freely.
- Connect with camera, as a monitor or aerial monitor
- High brightness, contrast ratio sunshade cover, can see clearly under sunlight.
- Multiple installation ways, convenient for different angles to view
- Touch screen optional, easy to be operated

CONTENTS

1. Product Instruction

● **Front Panel Instruction**

MODE MENU ◀ ▶ ⏻

MODE: To swtich VGA, AV, HDMI input signals

MENU: Press this button to pop up or close OSD menu

◀: Volume down, press this button directly to control the
volume decrease, and the menu is used for item
selection and setting value adjustment.

▶: Volume up, Press this button directly to control the
volume increase, and the menu is used for item
selection and setting value adjustment.

⏻: Power On/Off, to select the state of operating or standby

● **Port Instruction**

1. AV signal input

2. HDMI signal input

3. VGA signal input

4. DC 12V power supply

5. USB touch interface

   (the FPV monitor does not have this interface)

2. OSD Operation Instruction

When monitor in normal working state, press "MENU" button, screen displays OSD menu, then enter into operation. Press "►" or "◄" button to select the needed options: ◖◗(color) ▢(adjust) ▤(OSD) ✖(function)🔊 (sound). After select the option, press "MENU" button to confirm. Enter into submenu, then use "►" or "◄" button to select the options, after do that, press "MENU" to confirm, then use "►" or "◄"button to adjust or select the value, after setting the value, press "MENU" to confirm, Press "MODE" button to exit the OSD menu.

3. OSD Menu Instruction

After the input video signal, users can adjust the display parameters by pressing OSD button:

 Color

Brightness	To adjust image brightness.
Contrast	To adjust the brightest and darkest ratio of the image.
Hue	To adjust the cold and warm color of current image under HDMI signal input state.
Saturation	To adjust the current image color saturation.
Color Temp	Image color temp could select 9300K, 7500K, 6500K and user under HDMI/VGA mode. When select "user", users could adjust the R/G/B to meet the different requirement on the different Color Temp.

 Adjust *(Only applicable for VGA input video)*

Auto Config	Automatically adjust the system clock as the input analog VGA video signals, thus affecting H Position and V Position, Clock and Phase menu items.
H Position	To adjust the display image in horizontal.
V Position	To adjust the display image in vertical.
Phase	To adjust the phase parameter and achieve clear and nature of the image.
Clock	To adjust the parameters of the clock to make the clock signals with LCD screen frame, line sync signal, then reduce the degree of distortion in the image.

OSD

Language	To choose OSD languages, which include English,中文, 繁体中文, Français, Italiano, Deutsch, Español, 日本語, 한국의, pycc.
H Position	To adjust the OSD menu in horizontal.
V Position	To adjust the OSD menu in Vertical.
OSD Timeout	To adjust the time display on the screen.
Transparent	To adjust the level of transparent on the screen.

Function

Reset	Back to original setting.
System	Color video format selection, AV2 aerial photography dedicated state (FPV monitor)
Display Ratio	To adjust the display ratio16:9 or 4:3.

Sound

Volume	To adjust the Volume.

4. Parameters

Panel size	10.1"
Resolution	1024 x 600 pixels
Display Ratio	16:9
Brightness	450cd/㎡
Contrast ratio	800:1
Viewing angle	85°/85°(L/R) 85°/85°(U/D)
Input Voltage	DC9-15V
Power consumption	≦6 W
Unit size	255L×163W×34H mm
Unit weight	660 g
Touch panel (optional)	4-wire resistive touch panel (optional) 5-wire resistive touch panel (optional) Capacitive touch panel (optional)
OS Support for touch	Support Win7/ Win8/ Win10 system
Backlight	LED
Input signal	AV, VGA, HDMI
Working temperature	-10℃～50℃
Storage temperature	-20℃～60℃

5. Trouble Shooting

5.1 Only black and white picture.

Please check saturation, brightness & contrast adjustment.

5.2 NO picture after put on the power.

MODE whether in correct position, please press MODE to select correct signal input mode; Check video signal cable connecting, make sure use the standard adapter connect the monitor.

5.3 The image color distortion or abnormal, eg. lack some color.

Please check signal cable connect correctly or not. The cable damage or loose will cause poor transfer, then above malfunction will happen.

5.4 The image has a similar interference fringe, smearing and dark.

Check the signal connector is plugged in tight, and the socket connection is loose and so on.

5.5 Remote controller doesn't work

Check the battery to make sure the battery is installed properly.
Poor battery or the signal is interfered by some obstructions.

■ Remark:

If there are still other problems, please contact with our related deals.

※ If interruptive image occurs, it maybe that the VGA signal frequency isn't matched with normal standard.

※ It is a normal condition that some bright lines appear on the screen when you turn off the unit.