

TFT LCD COLOR MONITOR

10" / 10.4" Multi-function monitor



Operation 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, emits no radiation, easy operation, safety, etc. advantages, but also has VGA, AV, DVI, HDMI, YPbPr and other signal inputs. 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.

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. The monitor which with touch function should avoid heavy operate to damage the surface of the touch screen.
6. Do not use chemical solutions to clean this unit, please simply wipe with clean soft cloth to keep the brightness of the surface.
7. If the product does not operate normally when the instructions are followed. Adjust only those controls that are covered by the instructions. Improper adjustment of other controls may result in damage and will often require extensive

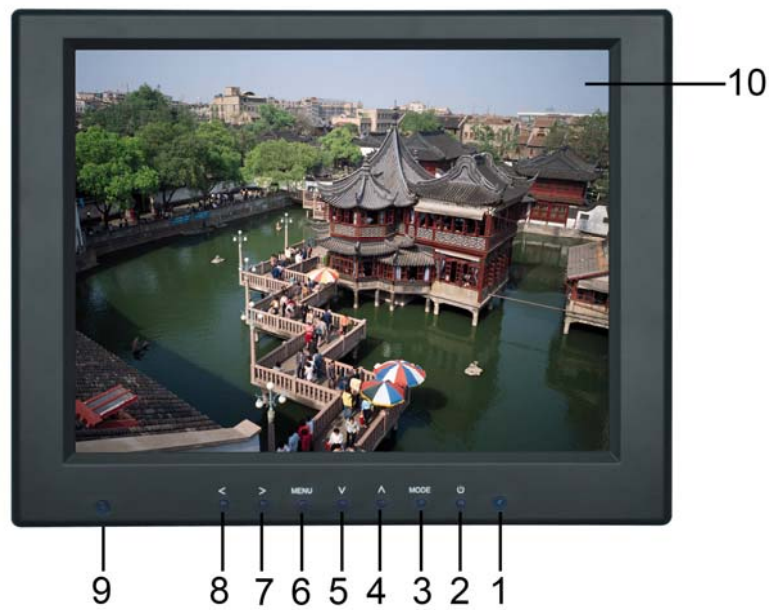
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1. Product Instruction

- **Button Instruction**

A) **Picture 1: 10.0"Front Panel**



1. **Power Indicator:**
2.  : Power On/Off, to select the state of operating or standby
3. **MODE:** VGA、 AV、 HDMI、 DVI、 YPbPr inputs signal switch
4.  : OSD selection button or No Menu State to cycle adjust the 5 level brightness
5.  : Item selection button or under the VGA mode to auto adjust phase
6. **MENU:** Press this button to pop up or close OSD menu
7.  : Volume up or to adjust the value of setting function
8.  : Volume down or to adjust the value of setting function
9. Infrared receiving window
10. Display panel

B) Picture 2: 10.4"Front Panel



1. **MENU**: Press this button to pop up OSD menu
2. $<$: Volume down or to adjust the value of setting function
3. $>$: Volume up or to adjust the value of setting function
4. \vee : Selection button , or under the VGA mode to adjust phase directly
5. \wedge : Selection button , to adjust the brightness directly
6. **MODE**: VGA、 AV、 HDMI、 YPbPr inputs signal switch
7. ⏻ : Power On/Off, to select the state of operating or standby
8. Infrared receiving window

- **Unit Back & Input Interface Instruction**

Picture 2:














1. **EAR** Earphone output interface
2. **AUDIO** Stereo Video input
3. **VIDEO** Video1 / Video2 input
4. **YPbPr** Component video signal input
5. **VGA** VGA signal input(D-Sub interface)
6. **DVI** DVI Digital video(DVI-D)signal input
7. **HDMI** HD digital video/audio signal input
8. **POWER** DC12V input voltage port
9. **TOUCH USB** Touch signal interface(connect with PC)
10. **Foldable Bracket**

• Remote Controller Instruction

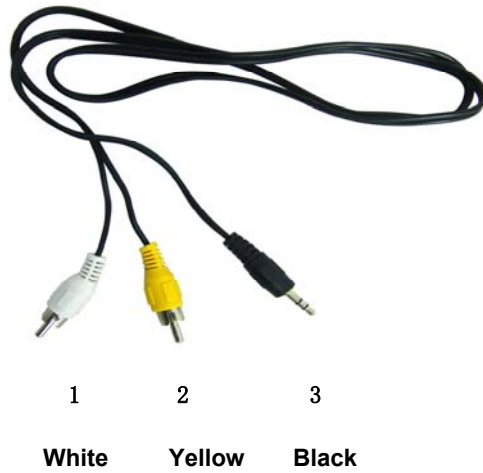
Picture 3 : Remote Controller



1.  : Power control button , use to select the operating mode and standby mode
2.  : Mute button , press the button to close sound, repress to recover
3.  : OSD button , press the button to pop up OSD menu
4.  : Volume down or to adjust the value of setting function
5.  : Volume up or to adjust the value of setting function
6.  : OSD item select button or No meun state press it to cycle adjust the 5 level brightness
7.  : OSD item select button or under VGA state press it to auto switch.
8.  : Image 4:3/16:9 switch(this monitor without this function)
9.  : Image switch up/down(this monitor without this function)
10.  : Image switch left/right(this monitor without this function)
11.  : To select video signal input switch

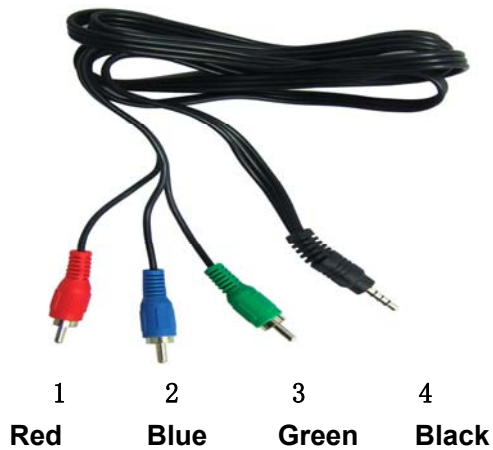
- **Attached Cable Instruction**

Picture 4: AV input cable



1. White RCA Interface, video signal 1 input (AV1)
2. Yellow RCA Interface, video signal 2 input (AV2)
3. Black 3.5mm Interface, connect with display VIDEO signal input interface 3







Picture 5: YPbPr input cable (optional)



1. Red RCA interface, Pr signal input
2. Blue RCA interface, Pb signal input
3. Green RCA interface, Y signal input
4. Black 3.5mm 4 level interface, connect display YPbPr signal input interfac 4

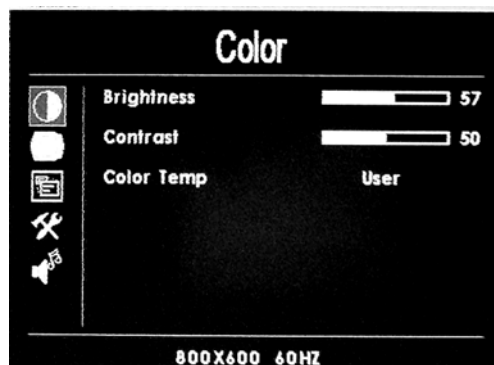
2. Operation Instruction

● OSD Operation Instruction

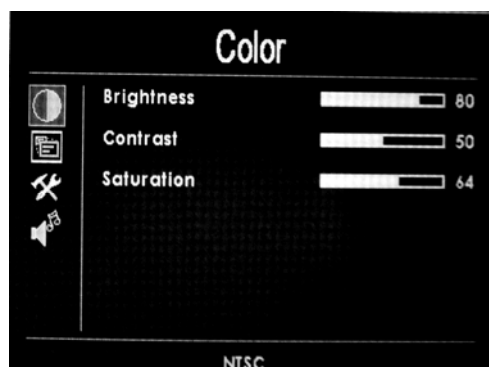
Before OSD menu setting, please carefully check all connects correct signal and power. Then the monitor in standby state (red power indicator light). Press “ (color)  (adjustment)  (menu)  (function)  (sound) , after select options, press “

In working state enter into OSD menu, picture as below:

PC Mode :



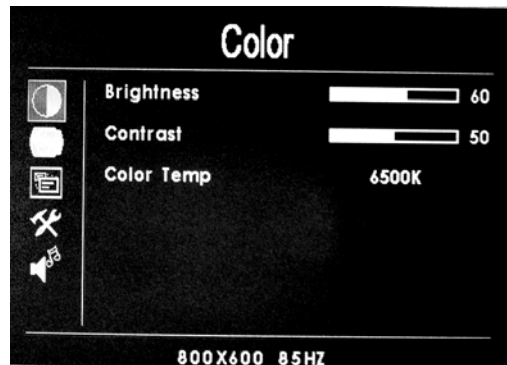
AV ; HDMI ; YPbPr ; DVI Mode :



- OSD Instruction

A) PC Mode :


 Color

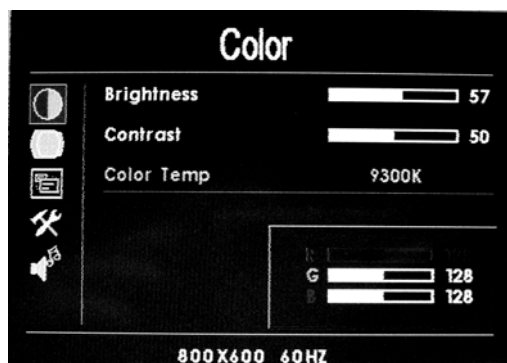


Brightness: To adjust the brightness in the picture.

Contrast: To adjust the brightest and darkest ratio of the image, please note the sense of picture when adjust, proportion too large or small, will make the picture lose the color of showy.

Saturation: To adjust the of the picture.

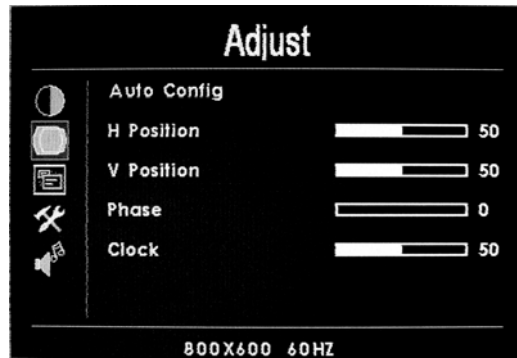
Color Temp: In PC mode, the color temperature of the picture adjustable. After enter into  (**Color**) menu, press“ <”or“ >”on the unit or remote controller to confirm, press “ ^”or“ v”to select color temperature item, then press “ <”or“ >” on the unit or remote controller to confirm, then press “ ^”or“ v”to select color temperature 9300 K, 6500K or User. When select “**user**”, the right corner of menu shows as below:



At this time, press “ ^”or“ v”button to select color R、 G、

B, then use “ < ”or“ > ” to adjust the value of Analog Data, to make sure the color of picture meet need.

Adjust



Auto Config: When select auto adjustment, the screen will auto adjust to get the best picture effect. If you are not satisfy with the effect, can be adjusted by manual as below.

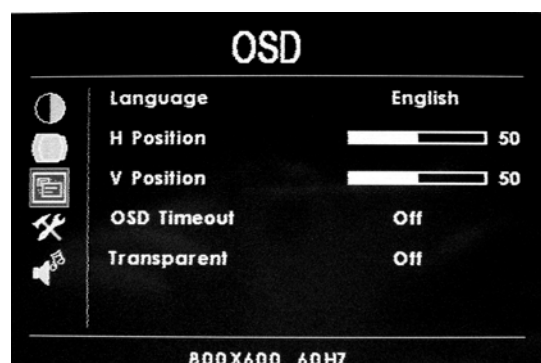
H Position: To adjust the OSD position in horizontal,

V Position : To adjust the OSD position in vertical.

Phase: To adjust phase parameters to get the best picture.

Clock: To adjust clock parameters can signal clock signal with the LCD screen frame, the line signal synchronization to reduce image distortion. +

OSD



Language: Languages for OSD as below:

English 简体中文 Francois Italians Deutsch
Español 繁体中文 Japanese Korean Pycc

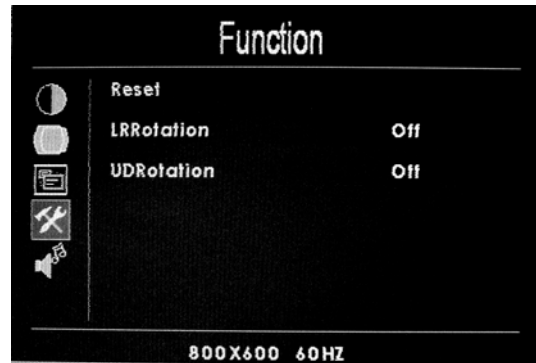
H Position : To adjust the OSD position in horizontal(L/R)

V Position : To adjust the OSD position in vertical(U/D)

OSD Timeout : To adjust the time on the screen

Transparent : To adjust the level of transparent.

Function

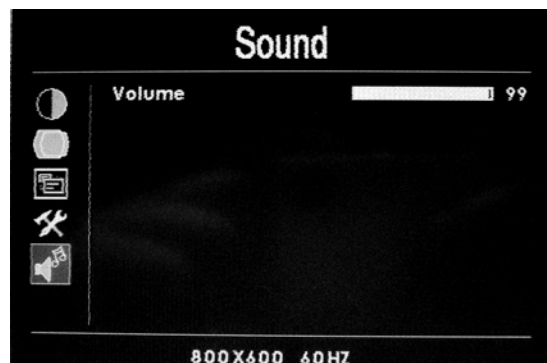


Reset : Back to original setting.

LR Rotation : To turn over image L/R(The unit without this function)

UD Rotation: To turn over image U/D(The unit without this function)

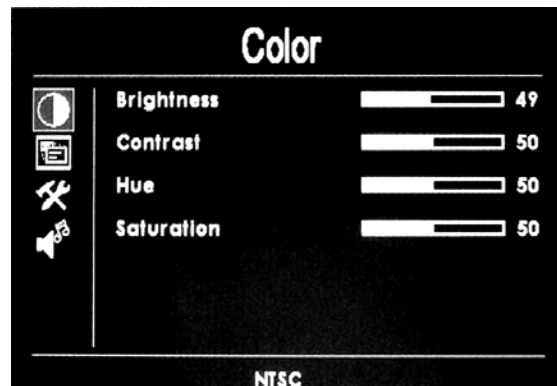
Sound



Volume: To adjust the volume

B) AV、HDMI、DVI、YPbPr Mode

Color



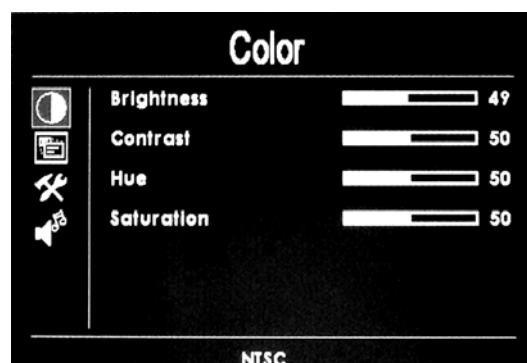
Brightness: To adjust the Brightness

Contrast: To adjust the brightest and darkest ratio of the image, please note the sense of picture when adjust, proportion too large or small, will make the picture lose the color of showy.

Saturation: To adjust the saturation

Hue: When play NTSC Video, to adjust the warm/cold tint

OSD



Language: Languages for OSD as below:

English	简体中文	Italians	Francois
Deutsch	Español	繁体中文	Japanese
Korean	Pycc		

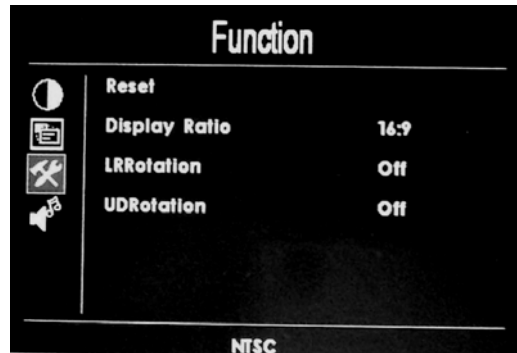
H Position : To adjust the OSD position in horizontal

V Position : To adjust the OSD position in vertical

OSD Timeout : To adjust the time of OSD position

Transparent : To adjust the level of transparent

 (Function)

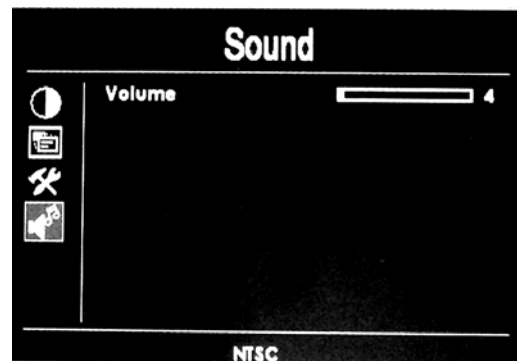


Reset : Back to original setting

LR Rotation : To turn over image L/R.(This unit without this function)

UD Rotation : To turn over image U/D.(This unit without this function)

 (Sound)



Volume: To adjust the sound

3. Parameters

Panel size	10.0"	10.4"
Panel type	TFT LCD	TFT LCD
Resolution	1024x768	800x600
Resolution up to	1920x1440	1920X1440
Distance	0.198 (H) x 0.198 (V)	0.088 (H) x 0.264 (V)
Brightness	250cd/m ²	250cd/m ²
Contrast ratio	600:1	500:1
Response time	5ms	5ms
Viewing angle	75°/75°(L/R) 60°/70°(U/D)	70°/70°(L/R) 50°/60°(U/D)
Panel display ratio	4:3	
Horizontal frequency range	30-98KHz	
Field frequency range	60Hz ~ 75Hz	
Input voltage	DC9-15V	
Install way	folding bracket (VESA 75*75mm)	
Power consumption	≦ 7W	
Unit size	252L×216W× 74H (folding) 252L×185W×296H (stretch) (mm)	
Unit weight	1152 g (10.0")	1520g (10.4")
Touch panel	4-wire resistive touch panel (USB/RS232) 5-wire resistive touch panel (optional)	
Backlight	LED	
Input signal	VGA,VIDEO1,VIDEO2,AUDIO,YPbPr,HDMI,DVI	
Working temperature	-20℃ ~ 60℃	
Storage temperature	-30℃ ~ 70℃	

Input format and function				
Mode Function		A	AT	AHT
Touch function	4-wire resistive touch panel (USB/ RS232)	/	√	√
	5-wire resistive touch panel (optional)	/	optional	optional
Video input	VGA	√	√	√
	Composite video	√	√	√
	HDMI	optional	optional	√
	DVI	optional	optional	√
	YPbPr	optional	optional	√
	S- video	optional	optional	optional
Audio input		√	√	√
Audio monitor		√	√	√
Bracket on table		√	√	√
Support VESA 75*75mm installation		√	√	√

4. Trouble shooting

1. Only black and white picture.

Please check saturation、brightness & contrast adjustment.

2. NO picture after put on the power.

Check video signal cable connecting, make sure use the standard adapter connect the monitor.

- 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.

4. The image has a similar interference fringe, the dark image

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

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.