TFT LCD MONITOR

INSTRUCTION MANUAL

M3

Thank you very much for purchasing our products. To enjoy your set to the full from the very beginning, read this manual carefully and keep it handy for ready reference.

INSTALLATION

● Locate the receiver in the room where direct light does not strike the strike the screen. Total darkness or a reflection on the picture screen can cause eyestrain. Soft and indirect lighting is recommended for comfortable viewing

● Allow enough space between the receiver and the wall to permit ventilation.

● Avoid excessively warm locations to prevent possible damage to the cabinet or premature component failure.

● This monitor operates on a AC supply provided by the mains voltage of 90-260V.

● Do not install the receiver in a location near heat sources, air ducts, direct sunlight, or in a place somewhere like close compartment and close area.

● Do not cover the ventilation openings when using the set.

CAUTION

Never tamper with any components inside your set, or any other adjustment controls not mentioned in this manual.

The LCD panel used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the LCD panel breaks.

When you clean up dust or stick of a water drop on the LCD panel, the power cord should be pulled out from the plug receptacle, then wipe the receiver with dried soft cloth. During thunder and lighting, unplug the power cord and antenna cord to prevent your monitor from damage. All "inside work" on your receiver should be performed only by the monitor service personnel. All monitors are high voltage instruments.

CONTENTS

SETUP

Plug The Power Supply

1. Remove the power supply and power cable from the accessories bag.
2. Insert the power cable connector into the power supply first .
3. Plug DC12V jack into the power socket at the back of monitor which is indicated as DC in below.
4. Then plug the power plug into the main power.

Precautions when setting up

● Do not connect to main power before you connect the monitor first.

● Make sure you have the correct power source.

● Do not over extend the power cable as this can result in insufficient power reaching the power supply.

● Connect video cable to the correct BNC connector.

Precautions when using the Monitor

● Do not drop the monitor.

● Do not press the LCD screen or apply physical shocks to the screen.

● Install the monitor in a good space where there's good air circulation for cooling of the monitor.

● Clean the screen with a clean soft cloth either dampen the cloth with small amounts of distilled water or isopropyl alcohol to clean the screen. Do not use any other corrosive liquid to clean the screen as this may result in damaging the LCD screen.

FUNCTIONAL PARTS

Front View of monitor:

1. Auto Button
2. Menu Button
3. VOL- Button
4. VOL+ Button
5. Power Button
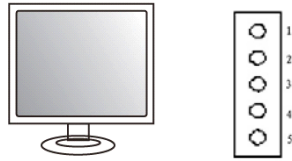
To turn the monitor power ON

Put the monitor on the correct place, then connect the AC(Input Voltage:100-240V AC;Frequency:50/60Hz) to the monitor. Connect the adapter main cord to the wall outlet, then the power indicator turns red and the monitor is at Standby Mode. At Standby Mode, if power button is pressed the power indicator will change to blue ,It takes a few seconds before the picture appears.

To turn the monitor power OFF

Press the power button to make the monitor in Standby Mode, then disconnects the power plug from the wall outlet.

NOTE

● If there is no signal for about 180 seconds, the monitor will enter standby mode. For any input other than PC. The monitor will not enter standby mode automatically.

● If you are not going to use this monitor for a long time, switch off the power switch on the monitor and disconnects the power plug from the wall outlet.

Rear View of Monitor

1. DC IN   2. USB   3. HDMI IN   4. VGA IN

5. CVBS (Video 1 – in)   6. CVBS (Video 2 – in)   7. CVBS (Video 2 – out)

8. AUDIO IN   9. AUDIO OUT   10. S-Video IN (Option)
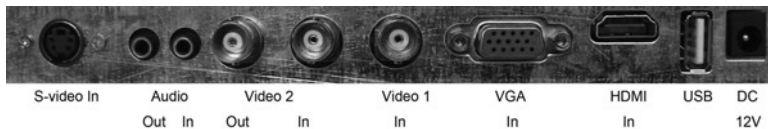
NOTE:

● Precautions when connecting to other equipment

● When using external equipment with this monitor, please read the instruction manual of the external equipment.

● Switch off all power supplies to the equipment and monitor before connection. Always ensure that the input and output terminals are correctly connected.

SCREEN MENU

SOURCE menu   Enter this menu, you can select VGA, HDMI, VIDEO 1, VIDEO2, S-VIDEO and media mode by pressing VOL+/- buttons.

PICTURE menu   Here is the menu for video mode for reference (VGA mode is similar to this menu, too). Enter this menu, you can select contrast, brightness, saturation, sharpness item by pressing VOL+/- buttons.

AUDIO menu   Enter this menu, you can select bass, treble, balance, sound mode, ACV and sound effect item by pressing VOL+/- buttons.
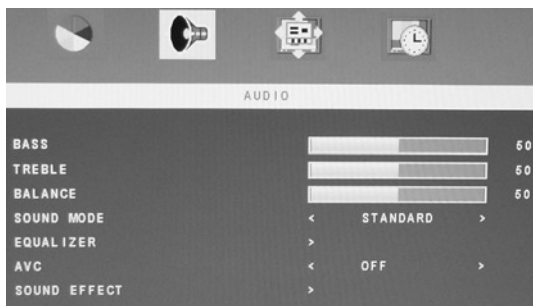
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SYSTEM OSD menu　　　Enter this menu, you can select sleep timer, OSD language, H-position, V-position, duration, halftone, blue screen, image reverse and restore item by pressing VOL+/- buttons.

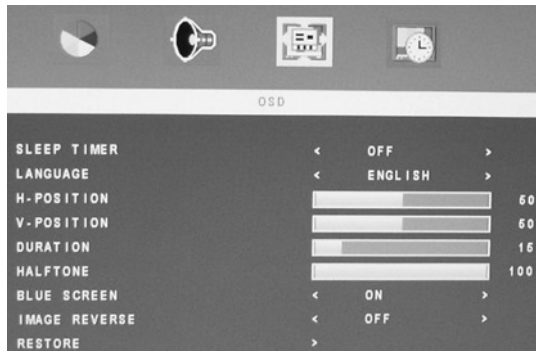**FUNCTION menu**　　　Enter this menu, you can select noise reduction, MPEG NR and DLC item by pressing VOL+/- buttons.

PC menu　　　Here is the menu for VGA mode for reference. Enter this menu, you can select contrast, brightness, color temperature item by pressing VOL+/- buttons.
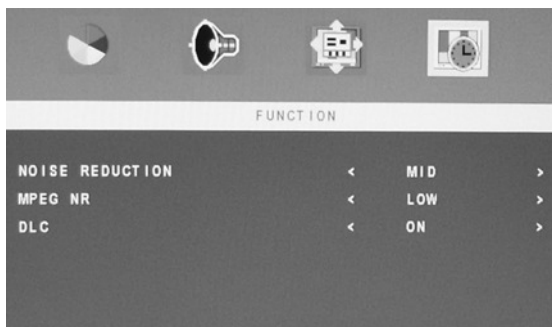

4

AUDIO menu   Enter this menu, you can select bass, treble, balance, sound mode, ACV, equalizer and sound effect item by pressing VOL+/- buttons.
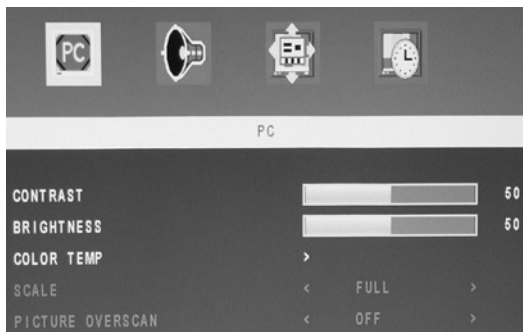

SYSTEM OSD menu   Enter this menu, you can select sleep timer, OSD language, H-position, V-position, duration, halftone, blue screen, image reverse and restore item by pressing VOL+/- buttons.
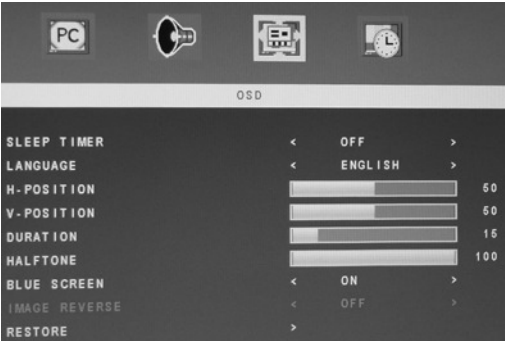
Media Menu   Enter this menu, and connect USB devoice, it can be read successfully while you can find the menu display on the screen as follows:
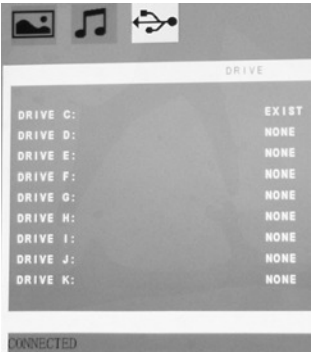
Thence, you can select pictures or documents item (1), music item (2) by pressing VOL+ buttons as follows:

Illustration of the Remote Controller (Option)

1. Power	Power supply switch
2. Picture	Picture mode
3. Left / 12. Right	VOL +/- or OK
4. Up / 13. Down	Sub-menu Selection S-VIDEO mode shortcut key
5. VGA	PC mode enter
6. AV	Video mode enter
7. S-video	S-video mode enter
8. YPbPr	YPbPr mode enter
9. DVI R/L	Menu R/L audio shortcut key
10. HDMI	HDMI input enter
11. MENU	Menu enter/exit
14. INPUT	Source input enter
15. MUTE	Mute or recovery
16. FREEZE	Freeze enter and exit
17. ºC	Temperature

Marks: The remote controller is available for all of our CCTV solutions (M2/M3/M5/M6), only solution M6 include all keys functions, please check the solution and interface on the user manual.

17.   16.

1.   ⏻   °C   MUTE   15.

2.   PICTURE   FREEZE   INPUT   14.

13. ▲

3. ◀   MENU   ▶   12.

11.

4. ▼

5.   VAG   Ypbpr   HDMI   10.

6.   AV   S-video   DVI   9.

7.   8.
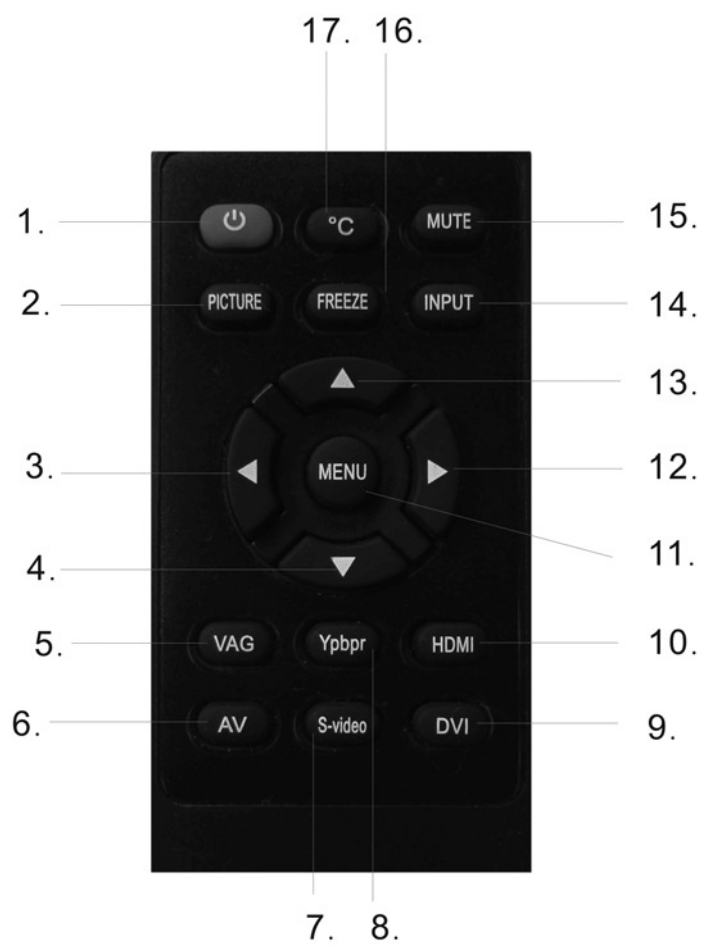
SPECIFICATIONS

APPENDIX I

Display Mode	VGA/HDMI/S-Video/Video(CVBS)/Media (USB)		
LCD Display	15" TFT LCD	17" /19" TFT LCD	22" TFT LCD
Pixel Pitch	0.297	0.264 / 0.294	0.282
Max. Resolution	SXGA (1024 x 768)	SXGA (1280 x1024)	WSXGA (1680x1050)
Contrast Ratio	400:1	1000:1	
Brightness	300cd/m²	400cd/m²/	450cd/m²
Response Time	6mS (at 25°C)	5mS (at 25°C)	
Display Color	16.2 million	16.7 million	6.2 Million
View Angle L+/R-	75/75	80/80	
U+/D-	75/60	80/80	
PC Interface	VGA (15Pin D-sub)		
Power consumption	Approx. 23W	Approx. 25W	Approx. 33W
Frequency	(Horizontal) 30~60 KHz; (Vertical) 56~75 KHz		
Signal Connector	VGA Cable		
OSD Menu	On Screen		
Power Adapter	DC12V 4A, DC12V 5A (19", 22" only)		
Operating Conditions	Temperature : 5°C ~ 50°C Humidity : < 85%RH		
Storage Conditions	Temperature : 0°C~40°C Humidity : < 95%RH		
Certification	CE, RoHS		

Marks: Specifications may be subject to change without notice for improvement.

APPENDIX II

Display Mode	VGA/HDMI/S-Video/Video(CVBS)/Media (USB)	
LCD Display	18.5" TFT LED/LCD	21.5" TFT LED/LCD
Max. Resolution	SXGA (1366 x 768)	WSXGA (1920x1080)
Contrast Ratio	1000:1	
Brightness	250cd/m²	
Response Time	5mS (at 25°C)	
View Angle	178° (H)/178° (V)	
PC Interface	VGA (15Pin D-sub)	
Frequency	(Horizontal) 30~60 KHz; (Vertical) 56~75 KHz	
Signal Connector	VGA Cable	
OSD Menu	On Screen	
Power Adapter	DC12V 4A	DC12V 5A
Operating Conditions	Temperature : 5°C ~ 50°C Humidity : < 85%RH	
Storage Conditions	Temperature : 0°C~40°C Humidity : < 95%RH	
Certification	CE, RoHS	

Marks: Specifications may be subject to change without notice for improvement.

THE CAUSES OF INTERFERENCE

Incorporated in your monitors are the most up-to-date devices to eliminate interference. Local radiation however, can create disturbances.

DIATHERMY: Herringbone pattern and partial picture loss can result from the operation of diathermy equipment from a nearby doctor's surgery or hospital.

SNOW: Weak signals from long distant stations result in an instead picture and give the effect of falling snow. An antenna adjustment or antenna amplifier may be needed.

CAR IGNITON: Nearby cars and electrical motors can cause small streaks across the picture or make the picture roll.

SERVICE TIPS

Please make these simple checks as indicated (●) on the chart for the respective symptoms and their possible remedies.

Symptoms \ Possible Remedies	Try different channel, if OK, probably station trouble	Check aerial connections on back of set	Check aerial for broken wires	Re-orient aerial(if indoor type)	Probably local interference, such as an appliance	Adjust fine tuning control	Adjust brightness control	Adjust contrast control	Check if station is broadcasting colour	Adjust colour control	Check if system is correctly set	Check if on/off switch is "on"	Check batteries in remote control unit
No picture, no sound	●	●	●			●					●	●	●
Poor sound, picture OK	●			●	●	●					●		
Poor picture, sound OK	●	●	●	●	●	●	●				●		
Weak picture	●	●	●	●		●					●		
Blurred picture	●		●	●		●					●		
Double image	●	●	●	●		●					●		
Lines in picture	●		●	●	●	●							
Distorted picture	●		●	●		●					●		
Weak reception on some channels	●	●	●	●	●	●					●		
Horizontal bars			●	●	●								
Picture rolls vertically	●		●	●	●						●		
Poor colour	●	●	●	●	●	●	●	●	●		●	●	
No colour	●	●	●	●		●			●	●	●		
Misoperation of Remote control													●
Remote control unit no operation													●
On Screen Display Control outside the screen											●		

Recycle:

If at any time in the future you should need to dispose of this product please note that:Waste English electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local Authority or retailer for recycling advices. (Waste Electrical and Electronic Equipment Directive)

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