

32-INCH IPM SERIES TFT-LED MONITOR



INSTRUCTION MANUAL

Please read this manual thoroughly before use, and keep it handy for future reference.

**CONTENTS**

SAFETY INSTRUCTION	2~3
CAUTIONS	4
FCC RF INTERFERENCE STATEMENT	5
CONNECTING WITH EXTERNAL EQUIPMENT	6
REMOTE FUNCTIONS	7
CONTROL AND FUNCTIONS	8~13
LAUNCHER PROGRAM GUIDE	14~16
MOUNTING GUIDE	17
POWER MANAGEMENT	18
SPECIFICATIONS.....	19
TROUBLE SHOOTING GUIDE	20

This Monitor was
Manufactured by ISO 9001
Certified Factory

SAFETY INSTRUCTION

Important Safety Instruction

1. Read these instructions.
2. Keep these Instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug.
A polarized plug has two blades with one wider than the other.
A grounding type plug has two blades and a third grounding prong.
The wide blade or the third prong are provided for your safety.
If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
11. Only use attachment/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus the apparatus has been exposed to rain or moisture does not operate normally or has been dropped.



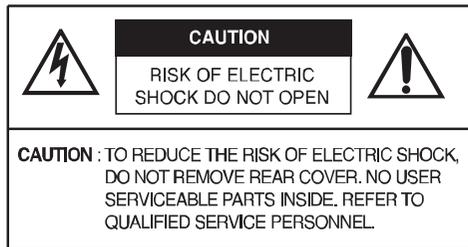
SAFETY INSTRUCTION

- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

- Minimum distances(e.g. 10cm) around the apparatus for sufficient ventilation.

“ WARNING - To reduce the risk of fire or electric shock, do not expose the apparatus to rain or moisture.”

“ The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.”



This symbol is intended to alert the user to the presence of uninsulated : dangerous voltage with in the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance(servicing) instructions in the literature accompanying the appliance.

CAUTIONS

► CAUTION

The power supply cord is used as the main disconnect device, ensure that the socket-outlet is located/installed near the equipment and is easily accessible.

CAUTION TO SERVICE PERSONNEL

POWER SUPPLY CORD IS USED AS MAIN POWER DISCONNECT DEVICE IN THIS PRODUCT. UNPLUG THIS PRODUCT FROM THE WALL OUTLET BEFORE REMOVING THE BACK COVER AND SERVICING

EMISSION CHARACTERISTICS TESTED BY SEMKO

THIS PRODUCT HAS BEEN TESTED AND HAS SHOWN COMPLIANCE WITH THE NATIONAL SPECIFICATIONS SUCH AS SWEDISH MPR 1990.10.(MPR II)

► NEVER REMOVE THE BACK COVER

Removal of the back cover should be carried out only by qualified personnel.

► DO NOT USE IN HOSTILE ENVIRONMENTS

To prevent shock or fire hazard, do not expose the unit to rain or moisture.

This unit is designed to be used in the office or home. Do not subject the unit to vibrations, dust of corrosive gases.

► KEEP IN A WELL VENTILATED PLACE

Ventilation holes are provided on the cabinet to prevent the temperature from rising.

Do not cover the unit or place anything on the top of unit.

► AVOID HEAT

Avoid placing the unit in direct sunshine or near a heating appliance.

► TO ELIMINATE EYE FATIGUE

Do not use the unit against a bright back ground and where sunlight or other light sources will shine directly on the monitor.

► BE CAREFUL OF HEAVY OBJECT

Neither the monitor itself nor any other heavy object should rest on the power cord.

Damage to a power cord can cause fire or electrical shock.

**FCC RF INTERFERENCE STATEMENT****NOTE**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technician for help.
- Only shielded interface cable should be used.

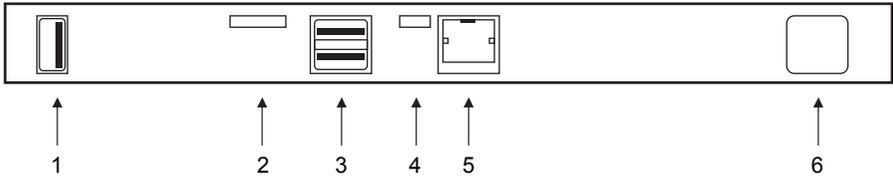
Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

► DOC COMPLIANCE NOTICE

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the radio interference regulation of Canadian Department of communications.

CONNECTING WITH EXTERNAL EQUIPMENT

► Rear Connection



1. PGM.
2. MICRO SD CARD.
3. USB1/USB2.
4. MICRO USB.
5. ETHERNET IN. (RJ45)
6. AC IN

REMOTE FUNCTIONS

► REMOTE CONTROLLER

1. POWER()

Turns the power ON or OFF. There will be a few seconds delay before the display appears.

2. MUTE

Mutes the sound.

3. MENU

Activates and exits the On Screen Display.

4. EXIT

Exits the On Screen Display.

5. VOL(&)

Increases or decreases the level of audio volume.
(When there is no OSD Menu)
Change the set of the OSD Menu.

6. UP/DOWN

Moves upwards or downwards in the OSD menu.

7. ENTER

Enters an OSD submenu or accepts your selection.

8. INFO

Displays the information about input source.

9.① Move back to previous from the Android OS.

10.② Move Cursor Up from the Android OS.

11.③ Not using.

12.④ Move Cursor Left from the Android OS.

13.⑤ Play the program that Cursor is on from the Android OS.

14.⑥ Move Cursor Right from the Android OS.

15.⑦ Not using.

16.⑧ Move Cursor Down from the Android OS.

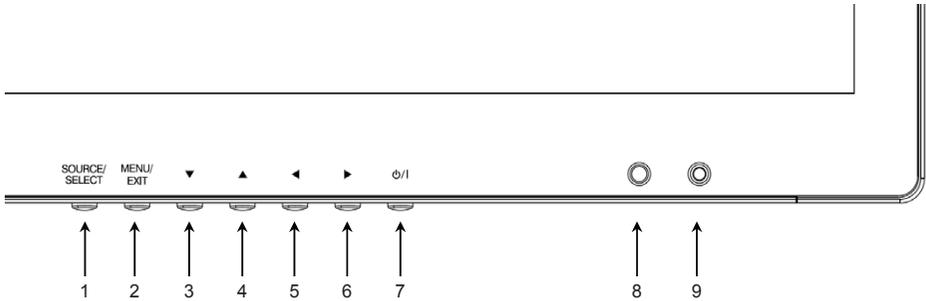
17.⑨ Not using.



LC790

CONTROL AND FUNCTIONS

► Bottom Key Control

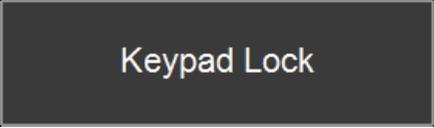


1. **SOURCE/SELECT** (Source function is unavailable)
Enters a submenu or accepts your selection in the OSD menu.
2. **MENU/EXIT**
Activates and exits the On Screen Display.
This button can also be used to move previous menu or status.
3. ▼
Move downwards in the OSD Menu.
4. ▲
Move upwards in the OSD Menu.
5. ◀
Change the set of the OSD Menu.
Decreases the level of audio volume. (When there is no OSD Menu)
6. ▶
Change the set of the OSD Menu.
Increases the level of audio volume. (When there is no OSD Menu)
7. ⏻ / I
Turns the power on or off. There will be a few seconds delay before the display appears.
8. **LED**
Turned on : Green color.
Turned off : LED Off.
9. **IR Sensor**
Remote controller sensor.

CONTROL AND FUNCTIONS

► Lock function (Key Lock)

1. **Lock** : Without OSD menu pop up on the screen. Press down(▼), down(▼), up(▲), up(▲)
2. **Unlock** : When activating Lock function, press the down(▼), down(▼), up(▲), up(▲) in order.



Keypad Lock

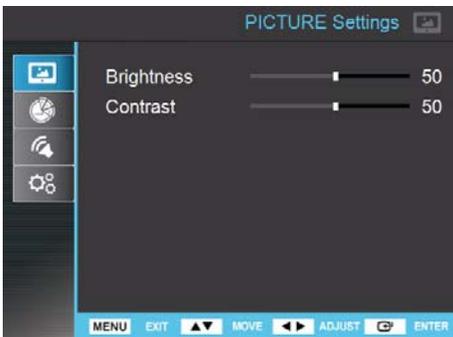
► Lock function (Remote Control)

1. **Lock** : Press the 7,8,9,0 button on the remote controller in order.
2. **Unlock** : When activating Lock function, press the 7,8,9,0 button on the remote controller in order.



Remote Control Lock

► MENU Tree



Main menu includes

- 1) Picture Settings
- 2) Color Settings
- 3) Audio Settings
- 4) System Settings

The picture above shows Audio Settings menus in the monitor.

CONTROL AND FUNCTIONS

► OSD MENU DESCRIPTION

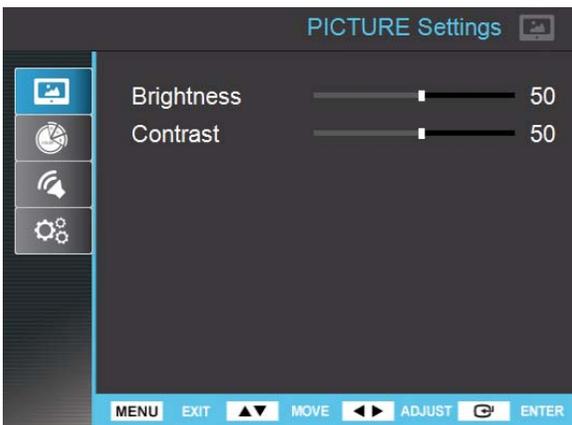
All picture, sound settings and setup for the monitor can be adjusted in the OSD menu. (On Screen Display)

To adjust the OSD screen:

1. Press the **Menu Key** or **Menu Button** to enter the OSD Menu.
2. To move from the menu, you may press the **Up/Down Key** on the Side or Use the **Up/Down button** on the Remote Control.
3. To enter the menu, press the **Enter Key** or the **Enter Button**.
4. To Step back to the previous menu, press the **Menu Key** or **Menu Button**.

- Menu turns to blue when selected.
- Grey menus are not yet activated.

► Picture Menu Description



■ Brightness

- used to control brightness(offset) level from 0 to 100.

■ Contrast

- used to control contrast(gain) level from 0 to 100.

CONTROL AND FUNCTIONS

► Color Settings Menu Description



■ Color Temp

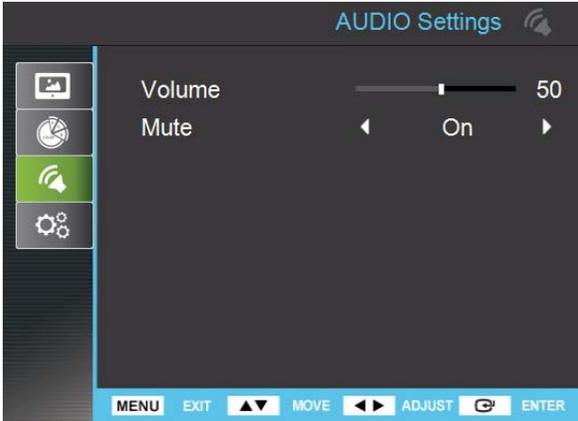
- used to control color temperature.
- users can choose Cool, Normal, Warm, User
- in User mode, users can define RGB Gain values for own purpose.

■ Gain Red/Green/Blue

- changes only in User mode.
- used to set R/G/B Gain level from 0 to 100.

CONTROL AND FUNCTIONS

▶ Audio Settings Menu Description



■ Volume

- used to control volume level of the internal speaker from 0 to 100.

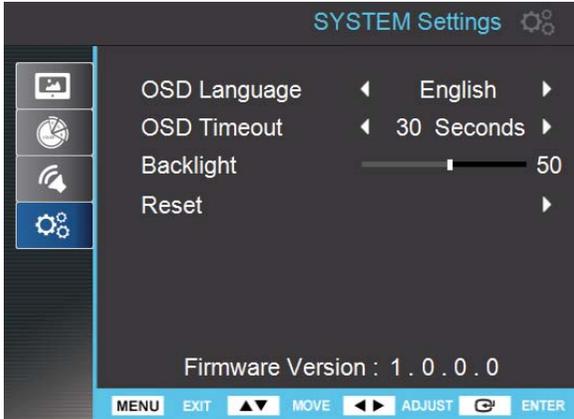
■ Mute

- used to turn off entire audio volume.

- to turn back on the audio volume to previous level select Off.

CONTROL AND FUNCTIONS

► System Settings Menu Description



■ OSD Language

- Sets the language of the OSD menu.

(English, German, Spanish, French, Italian, Dutch, Polish, Portuguese, Russian, Turkish)

■ OSD Timeout

- Adjust OSD displaying time. (Off, 10, 20, 30, 40, 50, 60)

■ Backlight

- to control backlight of screen from 0 to 100.

■ Reset

- used to reset the monitor to factory default setting.

LAUNCHER PROGRAM GUIDE

► Main Screen



1. **ONVIF Viewer** : Shortcut of IP camera Viewer.
2. **VMS or Favorites Folder.**
3. **Application** : You can see the whole APP.
4. **Background.**

LAUNCHER PROGRAM GUIDE

► Shortcut to the VMS



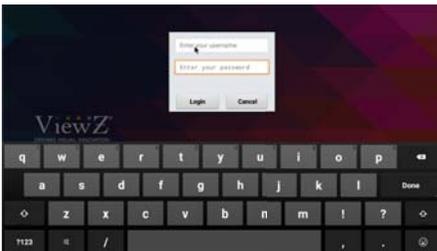
You can add apps to VMS/Favorites Folder by long-clicking the app within the All Apps area. From the VMS Shortcut menu, click an app to open it. (Long-clicking the app will remove it).

► Background



If you click the background more than 1 second, You can change the background to other background.

► Password



The button to access all apps requires a password.

→ **default id/ password is root/root**

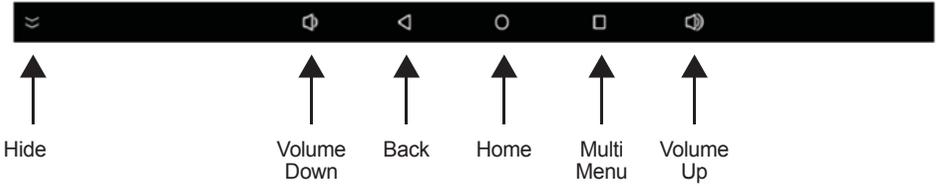
Password can be changed by populating fields and accessing the "Change Login" menu

► Last App Recovery

Upon reboot, this feature will automatically resume the last app that was used in the event that power was lost.

LAUNCHER PROGRAM GUIDE

► Navigation bar



► Ethernet Settings

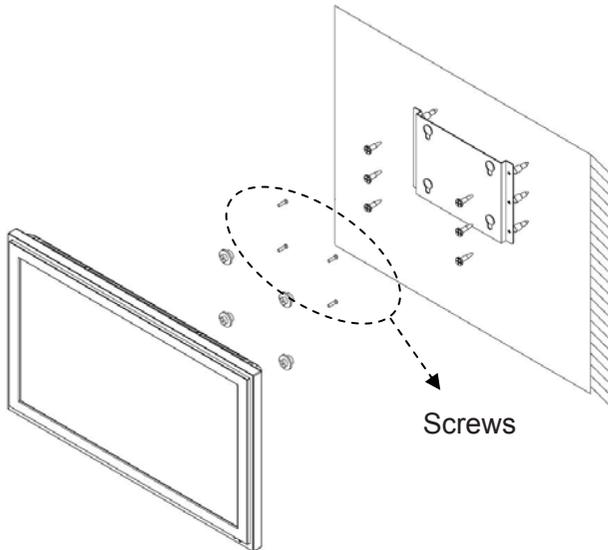


Open “Settings” in the “All Apps” section. Click on the Ethernet tab.
Enable “Ethernet”.
A static IP Address can also be added in this section.

- “DHCP” is the default setting.

MOUNTING GUIDE**Wall mounting (Optional)**

The LCD monitors are suitable for VESA standard wall mount (not included in the delivery).



1. 32-inch: VESA 200mm x 200mm

※ Attention!

You must use four M6x8 screws to assemble this monitor and the wall mount bracket.

※ WARNING!

If user use longer than M6x8 it may cause the damage on the unit. Please follow instructed bolt size & length.

POWER MANAGEMENT

Power Consumption

Mode	Power Consumption
Turned On	< 55W
Turned Off	< 1W

LED Indicator

The power management feature of the monitor is comprised of two stages: Turned on(Green) and turned off (Red).

Mode	LED	Monitor Operation
Turned On	Green	Normal Operation
Turned Off	Red	Not Operation

SPECIFICATIONS

1. Monitor Specification

	32"	
LCD Type	32" Diagonal AM-TFT(Active-Matrix)	
	Pixel pitch(mm): 0.36375(H) x 0.36375(W)	
	Brightness: 400cd/m ² (Typical)	
	Contrast ratio: 3000:1 (Typical)	
	Viewing angle: 178°/178° (H/V)	
	Response time: 6.5ms (Typ., on/off)	
Resolution (H x V)	1920X1080@60Hz	
Frequency	Horizontal: 31~80kHz, Vertical: 50~75Hz	
Input Signal	PGM	recommends sandisk usb flash driver. (usb 2.0)
	MICRO SD CARD	Maximum support 64GB Recommends Sandisk memories
	USB1/USB2	Maximum support 1TB
	MICRO USB	
	ETHERNET IN	
Active Display Area (H x V)	698.4mm x 392.85mm	
Packing Dimensions (W x H x D)	790mm x 580mm x 220mm (31.10" x 22.83" x 8.66")	
Weight	Net: 13kg(28.66 lbs)	
	Gross: 17.3kg (38.14 lbs)	
Electrical Ratings	100-240V~, 50/60Hz (Auto Switching)	

►► **NOTE:** Technical specifications are subject to change without notice.

TROUBLE SHOOTING GUIDE

TROUBLE	TROUBLESHOOTING TIP
No image on display screen	<ol style="list-style-type: none"> 1. Check that power cord of the Monitor have been connected securely into wall outlet or grounded extension cable or strip. 2. Power switch should be in the ON position and LED is lit. 3. Check that the Brightness and/or the Contrast adjustments of the Display have not been turned down to minimum levels.
"NO SIGNAL" message on screen	<ol style="list-style-type: none"> 1. The signal cable should be completely connected to the video card/computer. 2. The video card should be completely seated in its slot and the computer is switched ON.
Display image is not centered, too small or too large in PC mode	Push the down key in front side or Auto key in remote controller.
Vertical or Horizontal noise is present in the picture	Adjust Clock and Phase in the OSD.

WEEE Symbols

**Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)**
(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.



