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Techwin America

LCD PUBLIC VIEW MONITOR

User Guide

SMT-2151PVM & SMT-2152VM
SMT-2701PVM SMT-2702PVM

WISENET

LCD Public View Monitor
User Guide

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☞ **Design and specifications are subject to change without prior notice.**

☞ **The initial administrator ID is "admin" and the password should be set when logging in for the first time.**
Please change your password every three months to safely protect personal information and to prevent the damage of the information theft.
Please, take note that it's a user's responsibility for the security and any other problems caused by mismanaging a password.

☞ Equipment shall be installed in accordance with the latest local/national codes of practice, and standards
eg :- UL 1203 Edn. 5, CSA22.2 No30-M1986 Edn1 reaffirmed 2012, CSA C22.2 No25-1966 reaffirmed 2014, CSA C22.2 No 60065-03 Edn. 1, UL60065 Edn. 7,

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VESA MOUNTING

MTBF shall be 30,000 hours minimum at 90% confidence level and 100% duty cycle continuous operation at 25°C. The calculation does not include LCD panel.

Model	VESA	Spec. of screw hole
SMT-2151PVM / SMT-2152PVM	100x100 mm / 200x100 mm	M4 x 5mm
SMT-2701PVM / SMT-2702PVM	100x100 mm / 200x100 mm	M4 x 5mm

- Use appropriate screws to mount VESA bracket (Screw hole: M4 x 5mm), failure to do so may cause serious injury.
- Ensure that the VESA bracket has an adequate size mounting plate, screws and/or fixings to support the weight of the monitor and bracket to the surface to which it is being attached. Failure to do so may cause serious injury.
- If there is any doubt of the suitability of a mount or fixing method, a qualified technician should be consulted.



Caution

This 21.5" / 27" PVM is intended to be fixed to a surface during use. Use a bracket rated for the weight of the unit. Follow the bracket instructions for fixing to a surface. A stand is not included.

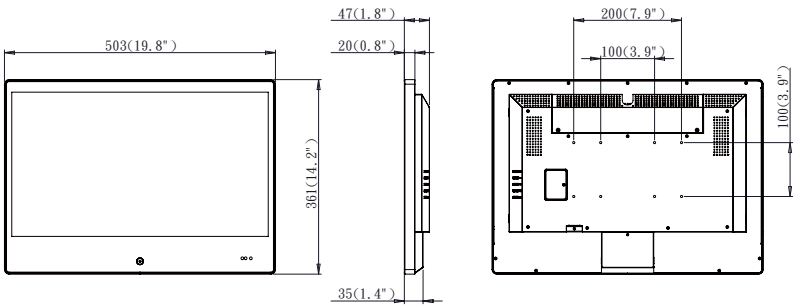
Mechanical

CABINET

Material: Metal. Finish: Black

DIMENSIONS OF SMT-2151PVM / SMT-2152PVM (21.5" PVM)

Unit: mm(inch)



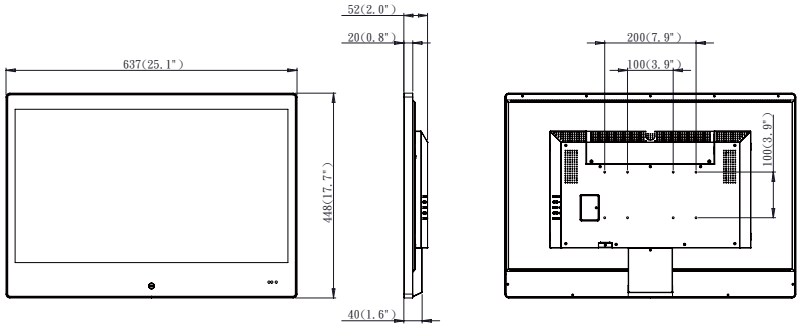
Net Weight: 5.9Kg /13 lbs.

Shipping Weight: 8.0Kg / 17.7 lbs.

Packing Dimension (L x W x H): 628x155x502mm / 24.7x 6.1x 19.7 inch

DIMENSIONS OF SMT-2701PVM / SMT-2702PVM (27" PVM)

Unit: mm(inch)



Net Weight: 7.7Kgs /17.1 lbs.

Gross Weight: 10.4Kgs / 23 lbs.

Packing Dimension (L x W x H): 769 x 162 x 608mm / 30.2x 6.3x 23.9 inch

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General

CE INFORMATION

The product must be installed according to the currently valid installation regulations for EMC to guarantee the designed use and to prevent EMC problems.
The device supplied with this manual is according to the EC, EMC Directive, 2014/30/EU & LVD 2014/35/EU

SAFETY PRECAUTIONS

1. Do not modify the three-prong grounding type monitor power plug in any way.
2. Operate this unit only from the type of power source indicated on the label.
3. Do not block or cover ventilation openings on the back or bottom of the monitor cabinet.
4. Do not place this monitor near a radiator or heating vent.
5. Do not push objects of any kind through cabinet openings. This may result in fire or electrical shock.
6. Before adding attachments always ask a service technician to perform routine safety tests to determine that equipment is in safe operating condition. Ground potential tests should be part of the routine safety check made by the service technician.
7. Do not place monitor on an unstable cart, stand, or shelf where it may fall and injure personnel or damage equipment.
8. Route power cords so that they cannot be walked upon or tripped over. Do not allow anything to rest on the power cord.
9. Do not install monitor in wet areas, or where it may be exposed to rain or water. Do not spill liquid of any kind on the unit.
10. Unplug the power cord from the unit before cleaning the display. Use only a damp cloth. Do not use alcohol, spirits, or ammonia to clean the display. DO NOT ATTEMPT TO CLEAN THE INTERIOR OF THIS UNIT- THIS ACTION MUST BE PERFORMED BY THE SERVICE TECHNICIAN AS REQUIRED DURING NORMAL MAINTENANCE.
11. Refer all servicing to qualified service personnel. REMOVAL OF BACK COVER BY UNAUTHORIZED PERSONNEL MAY EXPOSE THE USER TO DANGEROUS VOLTAGES OR OTHER HAZARDS.
12. Unplug the unit immediately and notify the service technician.
    A. If liquid has been spilled into the display or the display has been exposed to rain or water.
    B. If the unit has been dropped or the cabinet damaged.
    C. If fuses continue to blow.
    D. If the power cord is damaged or frayed.
    E. If a distinct change from normal operation is apparent.

When replacement parts are required, be sure that the service technician uses components specified by the manufacturer which have the same characteristics as the original parts. UNAUTHORIZED SUBSTITUTIONS MAY RESULT IN FIRE, ELECTRICAL SHOCK OR OTHER HAZARDS.

Upon completion of any service or repairs, ask the technician to perform safety checks to determine that the equipment is in safe operating condition.

WARNING: SERIOUS SHOCK HAZARDS EXIST WITHIN THE COVERS OF THIS MONITOR. DO NOT OPEN THE COVERS UNDER ANY CIRCUMSTANCES,
THERE ARE NO USER SERVICEABLE COMPONENTS INSIDE

Regulatory Agency

SAFETY APPROVALS

This series design shall meet the standards of the following domestic and foreign agencies:
UL : UL 60950-1
cUL: CAN/CSA C22.2 NO. 60950-1-07

EMI/EMS EMISSION APPROVALS

This series design shall meet following EMI/EMS specifications:
FCC Compliance: FCC Rules and Regulations, Part 15, subpart B, Class A.
CE COMPLIANCE: EN55032 Class A.
EN55024.
EN50130-4

OSD menu

FACTORY RESET

Press MENU button to recall PVM Monitor to factory default setting.

AUDIO CONTROL

Press MENU button to enter the sub-menu



1. Press ▼/ ▲button to select an icon
2. Press MENU button to confirm the selection.
3. Press ▼/ ▲button to adjust the value
4. Press MENU button to return

VOLUME – Adjust the PVM Monitor volume.
MUTE – Select Audio MUTE ON/OFF.

BEFORE YOU BEGIN

Read these instructions before installing or operating this product.
Note: This installation should be made by a qualified service person and should conform to local codes.

This manual provides installation and operation information. To use this document, you must have the following minimum qualifications

- A basic knowledge of CCTV systems and components
- A basic knowledge of electrical wiring and low-voltage electrical connections

Intended use

Only use this product for its designated purpose; refer to the product specification and user documentation.

Customer Support

For assistance in installing, operating, maintaining and troubleshooting this product refer to this document and any other documentation provided.

Conventions Used in this Manual

Boldface or button icons highlight command entries. The following WARNING, CAUTION and Note statements identify potential hazards that can occur if the equipment is not handled properly:

* WARNING:
Improper use of this equipment can cause severe bodily injury or equipment damage.

** Caution:
Improper use of this equipment can cause equipment damage.

Note: Notes contain important information about a product or procedure.

This apparatus is manufactured to comply with the radio interference.
A Declaration of Conformity in accordance with the following EU standards has been made. The manufacturer declares that the product supplied with this document is compliant the provisions of the EMC Directive 2014/30/EU, the CE Marking Directive 93/68 EEC and all associated amendments.

All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive: 2011/65/EU, which means our manufacture processes and products are strictly “lead-free” and without the hazardous substances cited in the directive.

The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste.

* This symbol indicates electrical warnings and cautions.

** This symbol indicates general warnings and cautions.

General

WARNINGS AND CAUTIONS:

To reduce the risk of fire or electric shock, do not insert any metallic objects through the ventilation grills or other openings on the equipment.

WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

LANGUAGE

Press MENU button to enter the sub-menu



1. Press ▼/ ▲button to select an icon
2. Press MENU button to confirm the selection.

SETUP MENU

Press MENU button to enter the sub-menu



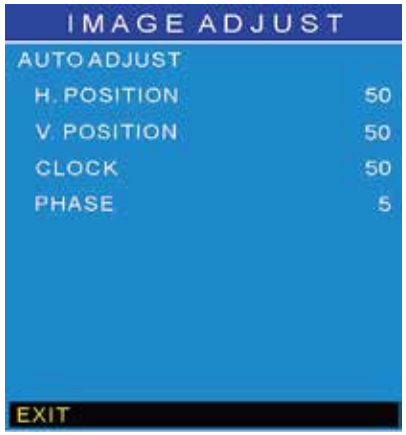
1. Press ▼/ ▲button to select an icon
2. Press MENU button to confirm the selection.
3. Press ▼/ ▲button to adjust the value
4. Press MENU button to return

OSD TIMEOUT – Adjust the OSD timeout
OSD BLENDING – Select OSD blending
LOW/MIDDLE/HIGH/OFF
BACKLIGHT CONTROL – Select backlight control
TIMER/SENSOR/OFF
BACKLIGHT TIMER – Set backlight timer
10min~120min, 10min
increment/click
LED FLASH – FLASH 1sec(on)/1sec(off) - - OFF/ON
LED SWAP – Set LED color GREEN or RED
FW. UPDATE (USB) – Plug USB with update FW
then select this icon to update
PVM FW
CAMERA POWER – Press MENU button to return to
the main menu
EXIT – Press MENU button to return to the
main menu

OSD menu

IMAGE ADJUST (VGA ONLY)

Press MENU button to enter the sub-menu

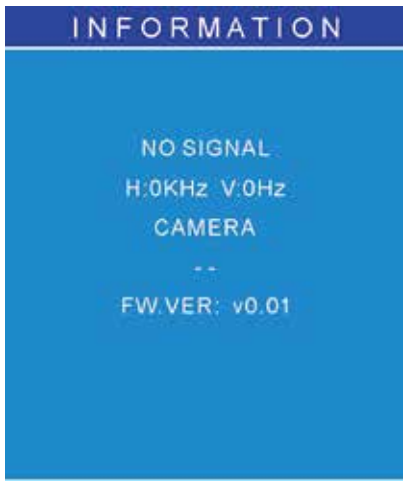


1. Press ▼/ ▲button to select an icon
2. Press MENU button to confirm the selection.
3. Press ▼/ ▲button to adjust the value
4. Press MENU button to return

AUTO ADJUST – Press MENU buttons to auto adjust Image Settings
H. POSITION – Adjust the horizontal position value manually
V. POSITION – Adjust the vertical position value manually
PHASE – Adjust the phase value manually
CLOCK – Adjust the clock value manually
EXIT – Press MENU button to return to the main menu

INFORMATION

Press MENU button to enter the sub-menu



Functional Specifications

Power Supply
PVM Monitor Power Requirements:
21.5"
Voltage: DC 12V-24V Wide Range
Current: 2.6A max (12Vdc) or 1.3A max (24Vdc)
27"
Voltage: DC 12V-24V Wide Range
Current: 3.6A max (12Vdc) or 1.8A max (24Vdc)

Use only a PSU rated at 12Vdc, with a minimum current rating of 2.6A/3.6A; or 24Vdc, with a minimum current rating of 1.3A/1.8A

D-SUB Input
Analog RGB: 0.707Vrms
Support VESA Standard Timing

HDMI Input - HDMI Compatible Interface
480i / 480p / 576i / 576p
720p / 1080i / 1080p

EDID
This series of displays support EDID (HDMI input only)

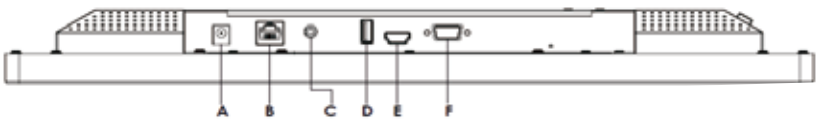
Audio Input
Signal Level: 1.0Vrms

Environmental
Temperature:
- Operating: 0°C to +40°C
- Storage: -20°C to +60°C

Humidity:
- Operating: 10% to 85% (non-condensing)
- Storage: 10% to 95% (non-condensing)

controls & indicators

CONNECTORS

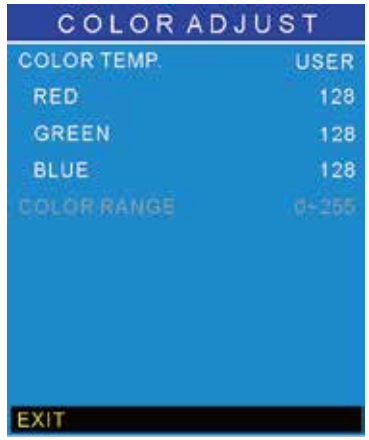


DC In	RJ45	AUDIO IN	USB	HDMI	VGA
(A)	(B)	(C)	(D)	(E)	(F)

A. DC IN: DC 12~24V INPUT (DC Jack 5.5mmψ2.5).
B. RJ45: IP Camera Video Output
C. AUDIO IN: Stereo audio input
D. USB: Firmware update
E. HDMI: HDMI input
F. VGA: D-sub 15pin input

COLOR ADJUST

Press MENU button to enter the sub-menu

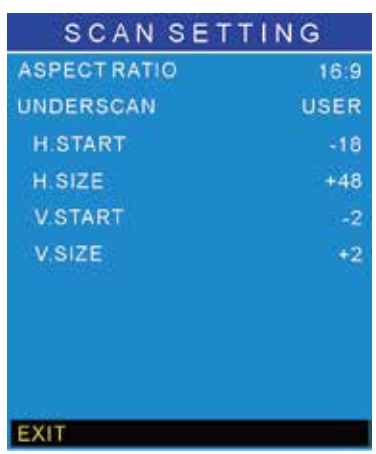


1. Press▼ / ▲ button to select an icon
2. Press MENU button to confirm the selection.
3. Press ▼/ ▲button to adjust the value
4. Press MENU button to return

COLOR TEMP – Select the color temperature USER/ 6500K / 7500K / 9300K
RED – Adjust the RED value under USER setting
GREEN – Adjust the GREEN value under USER setting
BLUE – Adjust the BLUE value under USER setting
EXIT – Press MENU button to return to the main menu

SCAN SETTING

Press MENU button to enter the sub-menu



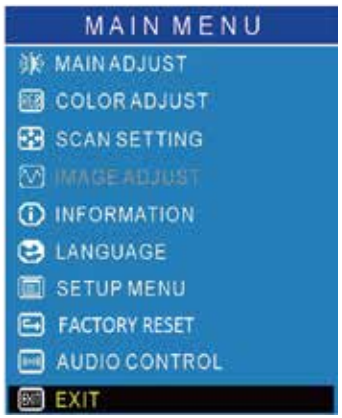
1. Press▼ / ▲ button to select an icon
2. Press MENU button to confirm the selection.
3. Press▼ / ▲ button to adjust the value
4. Press MENU button to return

ASPECT RATIO – Select aspect ratio 4:3 or 16:9
UNDERSCAN – Select underscan ON/OFF/USER
H.START – Adjust horizontal start value under USER setting
H.SIZE – Adjust horizontal size value under USER setting
V.START – Adjust vertical start value under USER setting
V.SIZE – Adjust vertical size value under USER setting
EXIT – Press MENU button to return to the main menu

OSD menu

MAIN MENU

Press MENU button to enter the sub-menu



- Main Adjust
- Color Adjust
- Scan Setting
- Image Adjust
- Information
- Language
- Setup Menu
- Factory Reset
- Audio Control
- Exit

Press ▼/▲ button to select an icon, then press MENU button to confirm the selection.

MAIN ADJUST

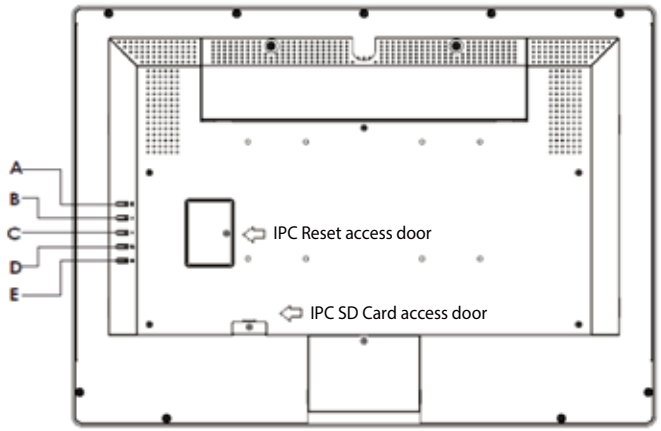
Press MENU button to enter the sub-menu



1. Press ▼/ ▲button to select an icon
2. Press MENU button to confirm the selection.
3. Press ▼/ ▲button to adjust the value
4. Press MENU button to return

VIVID MODE – Select Vivid mode
BRIGHTNESS – Adjust the brightness value
CONTRAST – Adjust the contrast value
SHARPNESS – Adjust the sharpness
SATURATION – Adjust the saturation
NR – Set Noise Reduction level
DLC – Set Dynamic Luminance Control ON/OFF
EXIT – Press MENU button to return to the main menu

CONTROL BUTTON (ON THE BACK)



(A) " " Source button

- Press the button to show source menu. Select VGA, HDMI, and CAMERA input.

(B) " ▲" Up button

- Press the buttons to scrolling the cursor to desired function.
- Press the buttons to increase the value of selected function in sub OSD menu.

(C) " ▼ " Down button

- Press the buttons to scrolling the cursor to desired function.
- Press the buttons to decrease the value of selected function in sub OSD menu.

(D) " " Menu button

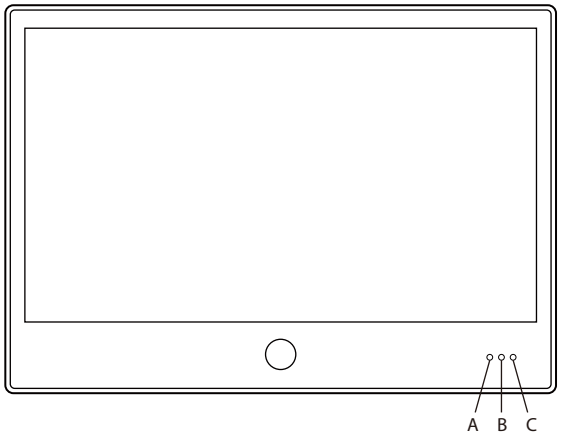
- Press the button to show the OSD main menu.
- As a confirmation key during the OSD operation.

(E) " " Power button

- Press the button to turn ON or turn OFF the monitor.

controls & indicators

LED INDICATION



(A) Light sensor: (measures ambient light for auto adjust settings)
(B) IR Receiver: (for remote control)
(C) LED: (Programmable, attention getting LED)

REMOTE CONTROL



POWER: Monitor Power On/Off.
MUTE: Audio mute
SOURCE: Select input signal
◀ ▶ ▼ ▲ : OSD menu navigation
OK: OSD confirm/select
EXIT: Exit the OSD menu
MENU: Access OSD menu
INFO: Displays PVM information
CAMERA: Sets camera as display source
HDMI: Sets HDMI input as display source
VGA: Sets VGA input as display source
LOCK: Activates and deactivates remote key lock
Vol. + : Increase audio volume
Vol. -: Decrease audio volume

Notes:

- The remote control requires 2xAAA batteries. Ensure batteries are inserted in the correct polarity according to the + and – symbols in the battery compartment.
- To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.
- Batteries should last more than 2 years with normal use.

ACCESSORIES

All of the accessories listed below are included with the PVM.

1. 60 Watts 12V power adapter x 1
2. US Power Cord x 1
3. Remote Control x 1
4. DC Terminal x 1
5. Cable Clip x 1
6. AAA battery x 2
7. User's Manual x 1