VZ-IP-PVMN SERIES
23", 27" & 32" IP PUBLIC VIEW MONITOR

IP-PVM N USER MANUAL

ViewZ®
www.viewzusa.com

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

CONTENTS

SAFETY INSTRUCTION

Important Safety Instruction

1. Read all warnings.
2. Follow all instructions to ensure longevity of monitor.
3. Do not place the monitor near water.
4. Clean only with dry cloth.
5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
6. Do not install near any heat sources such as radiators, heat registers,stoves, or other heat generating devices.
7. Do not override the safety purpose of the polarized or grounding-type plug.
8. A polarized plug has two blades with one wider than the other.
9. A grounding type plug has two blades and a third grounding prong.
10. The wide blade and the third prong are provided for your safety.
11. If the provided plug does not fit into your outlet, consult with electrician for replacement of the outlet.
12. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where it connects to the monitor.
13. Only use attachment/accessories specified by the manufacturer.
14. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the monitor. When a cart is used, use caution when moving the cart & monitor in combination to avoid injuries.
15. Unplug the monitor during lightning storms or when unused for long periods of time.
16. Refer all servicing to qualified service personnel. Servicing is required when the monitor has been damaged in any way.

The monitor shall not be exposed to dripping or splashing and objects containing liquids, such as vases shall not be placed near the monitor.

The monitor should have ample distance (e.g. 10cm) from the wall for sufficient ventilation.

SAFETY INSTRUCTION

Important Safety Instruction

Mark Indication and Substance

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRICAL SHOCK,
DO NOT REMOVE COVER (OR BACK). NO USER
SERVICEABLE PARTS INSIDE. REFER SERVICING TO
QUALIFIED SERVICE PERSONNEL

This symbol is intended to alert the user to the presence of uninsulated & dangerous voltage within the monitor'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 monitor.

⚠ Warning

- Do not use damaged or loose cables and plug.
- Do not pull the plug out by the wire nor touch the plug with wet hands.
- Use only a properly grounded plug and receptacle.
- Do not connect too many extension cords or plugs to one outlet.
- Do not excessively bend the plug and wire.
- Do not disconnect the power cord while it's still plugged into the monitor.
- Do not place any heavy objects on the power cord. Damage to the cord may cause shock or fire.
- Never open the monitor. There are no user-serviceable parts inside and opening will void warranty.
- Removing covers may expose you to dangerous shock hazards or other risks.
- Keep any heating devices away from the power cable and monitor.
- Do not place the monitor near water.
- Do not insert objects of any kind into the monitor's open slots, as they may touch dangerous voltage points.
- Please follow the laws and regulations of your municipality to dispose the monitor properly.
- Do not use the monitor in high temperature, humid, dusty or oily areas.
- Do not install the monitor where it will be exposed to continual vibration.
- Keep the plastic packaging out of children's reach.
- If any damage is detected upon first opening the box, contact agency from which you bought the monitor directly.
- If your monitor does not operate normally – in particular, if there is any unusual sound or smell coming from the monitor – unplug it immediately and contact an authorized dealer or the service center.

SAFETY INSTRUCTION

Important Safety Instruction

⚠ Caution

- If the connector between the plug and the pin is dusty or dirty, clean it properly using a dry cloth.
- Make sure to unplug the power cord before cleaning the monitor.
- Make sure to leave a gap between monitor and wall.
- Do not drop the monitor when moving it.
- Place your monitor in a location with low humidity and minimum dust.
- Install the monitor base on a showcase or shelf so that the end of the base does not protrude from the showcase or shelf.
- Do not place the monitor on an unstable or small surface area.
- Do not install inside a vehicle.
- Disconnect the plug from the outlet during storms or lightning or if it has not been used for a long time.
- Do not try to move the monitor by pulling on the power cord.
- Do not cover the vents on the monitor.
- When moving the monitor, turn off and unplug the power cord. Make sure that all cables, including HDMI cable and cables connected to other devices, are disconnected before moving it.
- Place the monitor out of children's reach, as they could damage it by hanging onto it.

💧 Available Temperature & Humidity

- Operating Temperature : 32°F ~ 104°F / 0°C ~ 40°C
- Operating Humidity : 20 ~ 70% RH

Dot Defect (dead pixel) of TFT

ViewZ monitors are manufactured using high-end semiconductor technology with precision ratings of 99.9% and above. However, it may be the case that certain RGB and white pixels seem darker (or entirely unlit i.e. black).

Modern production methods cannot guarantee an absolute fault-free monitor. To this effect, no LED manufacturer can guarantee a defect free panel. A few isolated pixel or sub-pixel faults are considered tolerable and different policies exist that govern the amount of these tolerable values.

While most pixel faults occur in isolated regions, a cluster of dead pixels or sub-pixels can sometimes form for which a separate ruling applies. A cluster is defined as an area of 5x5 pixels. ViewZ's policy on pixel failure: either as an isolated fault or in the form of a cluster is outlined on the website: www.viewzusa.com

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.

WIRING

WIRING (DC 24V input only)

1. On the back of the monitor, loosen the thumb screws and lower the access panel.
2. Attach the leads from the power supply (supplied) to the left and right connectors.

⚠ **WARNING:** Do not connect a ground to the center post. Please be careful of voltage polarity.

3. When finished, secure the access panel.
   Table A shows the recommended maximum wiring distances (transformer to load), and are calculated with a 10-percent voltage drop.

Input : Power Source output terminal / Output : Set input terminal   VZ-DC24-320 (Power Transformer) Test Result

23" IP-PVM-N - 3 MONITORS - VZ-PVM-I2B3N & I2W3N

Cable Type - 18AWG (Current : 12~19 A)

ft / meter	1 Set of IP-PVM-N			2 Set of IP-PVM-N			3 Set of IP-PVM-N		
	DC 24V	DC 27V	Max. V	DC 24V	DC 27V	Max. V	DC 24V	DC 27V	Max. V
100 ft / 30.48 m	tested	tested	tested	tested	tested	tested	tested	tested	tested
150 ft / 45.72 m	tested	tested	tested	tested	tested	tested	tested	tested	tested
200 ft / 60.96 m	tested	tested	tested	tested	tested	tested	tested	tested	tested
250 ft / 76.20 m	tested	tested	tested	tested	tested	tested	tested	tested	tested
300 ft / 91.44 m		tested	tested		tested	tested		tested	tested
350 ft / 106.68 m			tested			tested			tested

27" IP-PVM-N - 3 MONITORS - VZ-PVM-I3B3N & I3W3N

Cable Type - 18AWG (Current : 12~19 A)

| ft / meter	1 Set of IP-PVM-N			2 Set of IP-PVM-N			3 Set of IP-PVM-N		
	DC 24V	DC 27V	Max. V	DC 24V	DC 27V	Max. V	DC 24V	DC 27V	Max. V
100 ft / 30.48 m	tested	tested	tested	tested	tested	tested	tested	tested	tested
150 ft / 45.72 m	tested	tested	tested	tested	tested	tested	tested	tested	tested
200 ft / 60.96 m	tested	tested	tested	tested	tested	tested	tested	tested	tested
250 ft / 76.20 m		tested	tested		tested	tested		tested	tested
300 ft / 91.44 m				Not Recommended					
350 ft / 106.68 m									

32" IP-PVM-N - 3 MONITORS - VZ-PVM-I4B3N & I4W3N

Cable Type - 18AWG (Current : 12~19 A)

ft / meter	1 Set of IP-PVM-N			2 Set of IP-PVM-N			3 Set of IP-PVM-N		
	DC 24V	DC 27V	Max. V	DC 24V	DC 27V	Max. V	DC 24V	DC 27V	Max. V
100 ft / 30.48 m	tested	tested	tested	tested	tested	tested	tested	tested	tested
150 ft / 45.72 m	tested	tested	tested	tested	tested	tested	tested	tested	tested
200 ft / 60.96 m		tested	tested		tested	tested		tested	tested
250 ft / 76.20 m				Not Recommended					
300 ft / 91.44 m									
350 ft / 106.68 m									

INSTALLATION

Installation Tools

The following tools may be required depending on your installation.

Electronic Stud Finder	Pencil	Protective Eye-wear	Level	Phillips Screwdriver
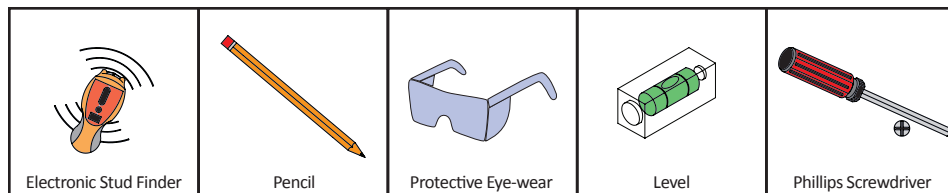
Assembly Components - provided

Your ViewZ monitor is shipped with all proper installation hardware and components. If there are parts missing and/or damaged, please stop the installation and contact ViewZ USA at (888)-998-4399.

Public View Monitor (Qty 1)	110V Power Cable (Qty 1)	DC24V Connector (Qty 1)	User Manual (Qty 1) Remote Controller (Qty 1)

Mounting Option

Your ViewZ monitor is compatible with ViewZ monitor mounts. For more information, please contact ViewZ USA at (888)-998-4399.

Wall Mount

- Part # **WM05**
  - Flat Wall Mount
  - VESA 50 ~ 100
    - 23" PVM

- Part # **WM11**
  - Tilting -45° ~ +45°
  - Swivel 180°
  - VESA 75 ~ 100
    - 23 & 27" PVM

- Part # **AM02-A**
  - Tilting -20° ~20°
  - Swivel 180°
  - VESA 75 ~ 200
    - 23,27 & 32" PVM

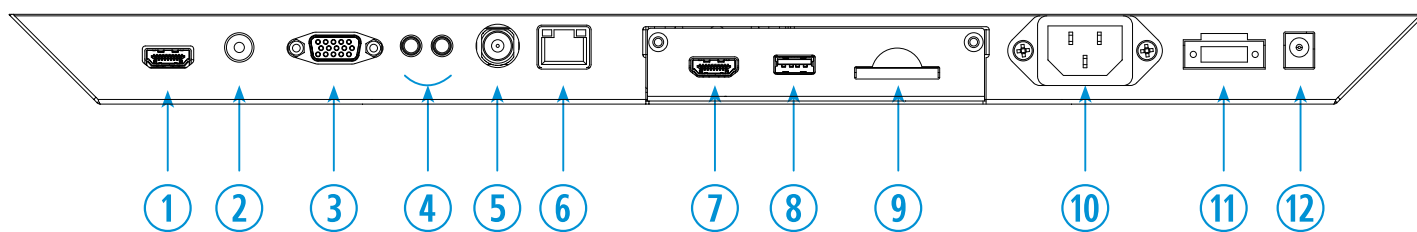### Ceiling Mount

- Part # **CM-6/18**
  - Tilting +15°
  - Rotation 360°
  - Black / White
  - **Poll : 6 ~ 18 ft**
    - 23,27 & 32" PVM

- Part # **CMKiT-02**
  - Tilting -12° ~ +5°
  - Rotation 360°
  - **Poll : 35" ~ 70"**
    - 23,27 & 32" PVM

CONNECT EXTERNAL EQUIPMENTS

Interface Input Ports

The following image is the description of interface input ports

1. HDMI IN
2. AV (BNC) IN
3. VGA (15 Pin D-Sub) IN
4. AUDIO IN / OUT
5. CAMERA CVBS OUT
6. CAMERA IP(Ethernet) OUT
7. (Optional) Media Player HDMI OUT
8. (Optional) Media Player USB
9. (Optional) Media Player SD Card
10. AC 110V IN
11. DC 24V IN
12. DC 12V OUT

REMOTE FUNCTION

Remote Controller

Remote Controller
1. **Power**
2. **Source** - Select Input Source
3. **Mute** - Turn off the sound
4. **Menu** - Enter / Exit OSD
5. **Exit** - Exit OSD with saving current value
6. **Left & Righ**t ◄(VOL)►, **Up & Down** ▲▼
7. **Enter** - Select current setting value on Input source
8. **PIP** - Launch the PIP (Picture In Picture) mode
9. **SWAP** - Swap the main & sub on PIP
10. **P.POS** - Change the sub picture position on PIP
11. **P.Size** - Change the main & sub picture size on PIP
12. **S.Sat** - Not working
13. **ARC** - Aspect Ratio Control
14. **APC** - Auto Picture Control
15. **ACC** - Auto Color Control

Media Controller
1. **Menu** - Enter / Exit Media Player Menu
2. **Exit** - Exit Media Player Menu
3. **Left & Right** ◄(VOL)►, **Up & Down** ▲▼
4. **Enter** - Confirm the selection
5. **Stop & Play** - Freeze the media play
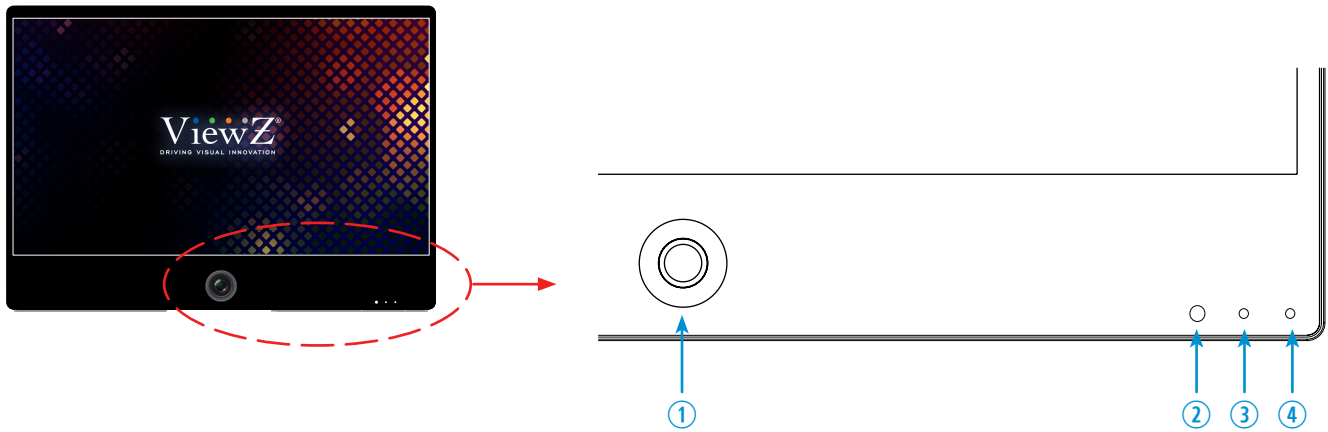6. **Stop** - Stop the media play

PKGL103027
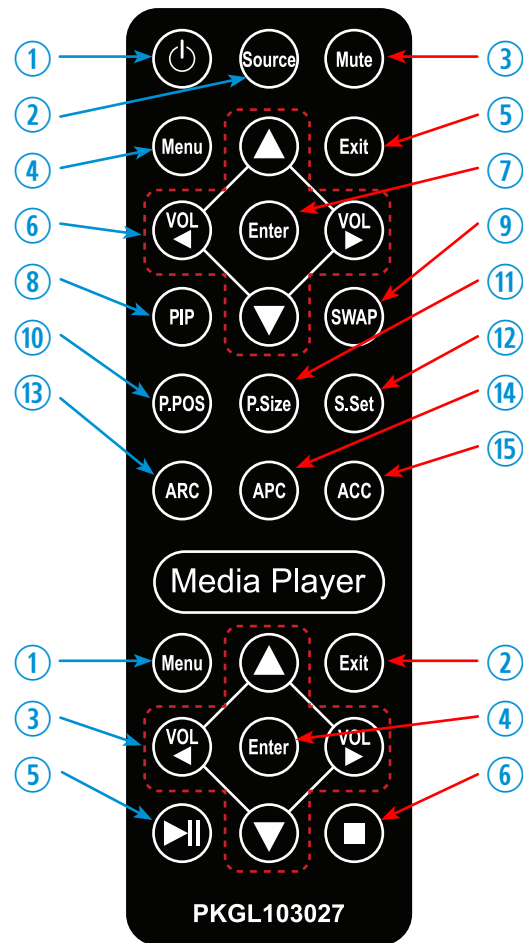
Display image, sound and custom settings can be adjusted in OSD (On Screen Display) menu by remote controller.
To adjust monitor setting value :

1. Press the **'MENU'** button to enter the OSD menu
2. Press the **'INPUT'** button to select input source
3. Press the ▲ / ▼ buttons to select the desired sub-menu. The selected submenu will be highlighted
4. Press the **'ENTER'** button to enter the sub-menu for adjusting items
5. Change the value you wish to adjust by using the ◄ / ► buttons
6. Press the **'MENU'** button to confirm / exit for saving adjustment value on sub-menu
7. Without entering OSD MENU, press ◄ / ► buttons to adjust the audio volume
8. Press the **'MUTE'** button to on / off audio - audio only works with VGA / AV input
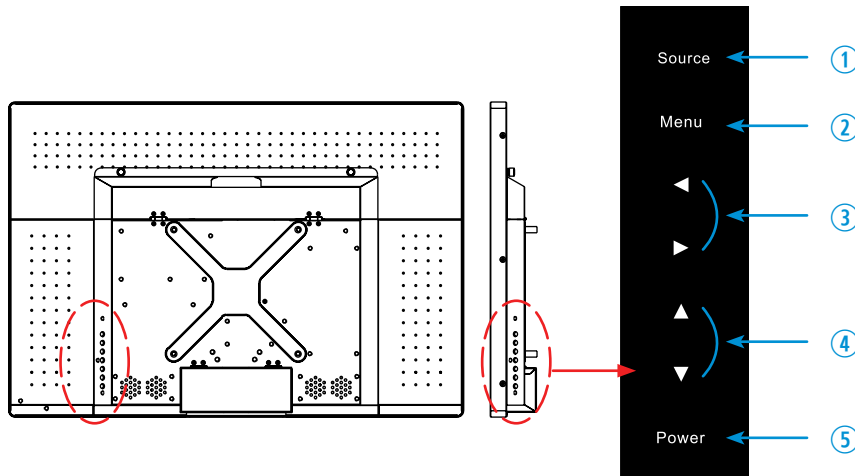
CONTROL AND FUNCTION

On Monitor, Front Area

1. Built-in Camera / Motion Detection
    The monitor will display the built-in camera's video
    Built-in camera has the motion detection function
2. IR Sensor
    Sensor for the remote controller
3. LED Indicator
    Green color: monitor on
    Red color : monitor off

4. Recording Indicator LED
    User can choose a blinking LED color - red, blue,
    purple and no color.

CONTROL AND FUNCTION

On Monitor, Button Control

1. Source
   To select an input source
2. Menu
   To enter or exit the OSD / Select a menu on OSD
3. Left & Right ◄ (VOL) ►
   To change the value on the selected menu
4. Up & Down ▲ ▼
   To switch a menu on OSD

5. Power
   To turn the monitor power on / off

Monitor Button Function

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

To adjust the OSD screen:

1. Press the **MENU** button to enter the **OSD MENU**
2. Press the ◄ / ► buttons to select the desired **main-MENU**. The selected **main-MENU** is highlighted
3. Press the ▲ / ▼ buttons to select the desired **sub-MENU**. The selected **sub-MENU** is highlighted
4. Change the value you wish to adjust by using the ◄ / ► buttons
5. Press the **MENU** button to confirm the adjustment on **sub-MENU**
6. Press the **MENU** button to exit the **sub-MENU** and go back to the **main-MENU**
7. Press the **MENU** button to exit the **OSD MENU**

CONTROL AND FUNCTION

Select Input Source

VGA
HDMI
CAMERA
AV
MEDIA

Press 'SOURCE' button on monitor or 'INPUT' button on remote controller

Press ▲ / ▼ button to change input source and then press ◄ / ► button to select input source on monitor

Press ▲ / ▼ button to change input source and then press ◄ / ► button or Enter to select input source on remote controller

Volume

VOLUME   53
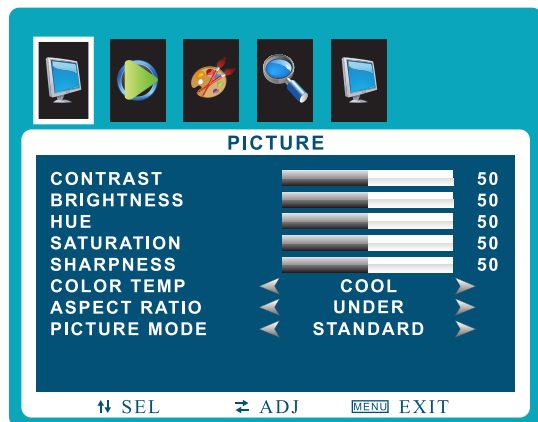
Press ◄ / ► buttons to adjust volume on monitor
Press ◄ / ► buttons to adjust volume on remote controller

Detect Source Signal Message

If you connect any input source, monitor will display current input source resolution and frequency.

CONTROL AND FUNCTION

Picture

	FUNCTION	VALUE
CONTRAST	Adjust the contrast	0 ~ 100
BRIGHTNESS	Adjust the brightness	0 ~ 100
HUE [1]	Adjust the hue	0 ~ 100
SATURATION	Adjust the color saturation	0 ~ 100
SHARPNESS	Adjust the sharpness	0 ~ 100
COLOR TEMP	Adjust the color setting	See table below
ASPECT RATIO	Adjust the video format	See table below
PICTURE MODE	Adjust the image color setting	See table below

▲/▼ MOVE ◄/► SELECT(ADJUST) MENU RETURN

1) Only available in Composite (video) input

PICTURE MODE	
MILD	Reduces contrast and sharpness
USER	Applies user selected values - brightness, contrast, color and hue
DYNAMIC	Provides enhanced contrast and sharpness
STANDARD	Provides standard contrast and sharpness

| ASPECT RATIO	
16 : 9 [1] [2] [3]	Sets the image size to 16 : 9
4 : 3 [1] [2] [3]	Sets the image size to 4 : 3
UNDER [2] [3]	Adjusts the image size based on input resolution
ZOOM [3]	Zooms the image size as factory preset zoom level

1) VGA-input support

2) AV-input support

3) HDMI-input support

COLOR TEMP.	
WARM	Give the white color a reddish tint
NORMAL	Give the white color a neutral tint
COOL	Give the white color a blue-ish tint

CONTROL AND FUNCTION
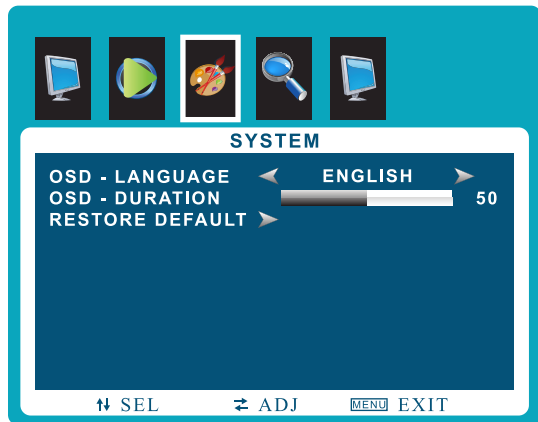
Sound
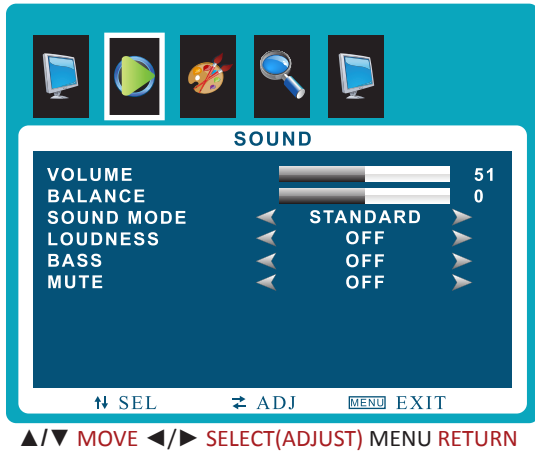
FUNCTION		VALUE
VOLUME	Adjusts the volume	0 ~ 100
BALANCE	Adjusts the balance	0 ~ 100
SOUND MODE	Selects one of the presets	USER / MUSIC / MOVIE / STANDARD
LOUDNESS	Adjusts preset sound mode	MODE 1 / MODE 2/ MODE 3 / MODE 4 / OFF
BASS	Adjusts the bass level	ON /OFF / 1 - 12
MUTE	Mutes the sound	ON / OFF

CONTROL AND FUNCTION

System - OSD SETUP

▲/▼ MOVE ◄/► SELECT(ADJUST) MENU RETURN

	FUNCTION	VALUE
OSD LANGUAGE	Sets the language of the OSD menu	English, Spanish, French Russian, Portuguese
OSD DURATION	Sets the OSD display time	0 ~ 60 sec
RESTORE DEFAULT	Resets the monitor settings to the factory default	

CONTROL AND FUNCTION

ViewZ

Advance - Adjust Recording Indicator Color / Recording Text

ADVANCE

RECORDING INDICATOR	RED
RECORDING TEXT	
MOTION DETECTION	OFF
AUTO SWITCHING	3

↕ SEL   ⇄ ADJ   MENU EXIT

▲/▼ MOVE ◄/► SELECT(ADJUST) MENU RETURN

ADVANCE

RECORDING TEXT	OFF
TEXT BLINK	OFF
TEXT SIZE	x3
TEXT SELECT	TEXT 1
TEXT COLOR	RED

↕ SEL   ⇄ ADJ   MENU EXIT
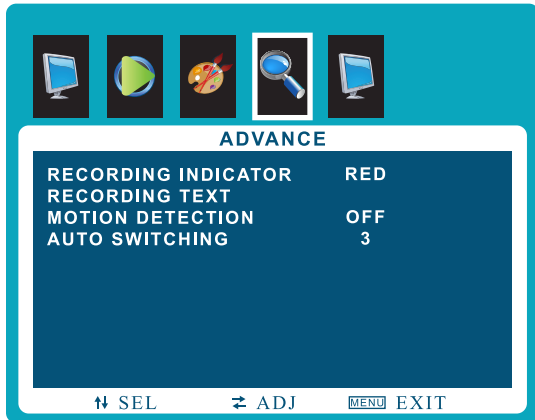
RECORDING TEXT Option Window

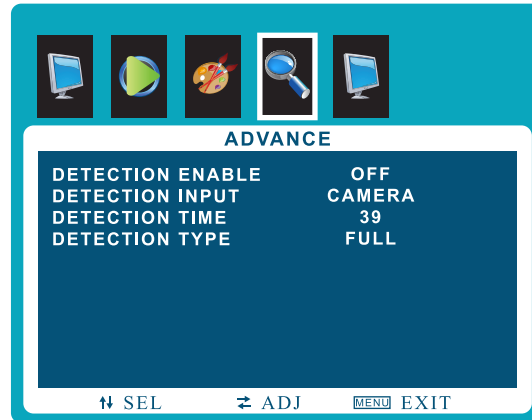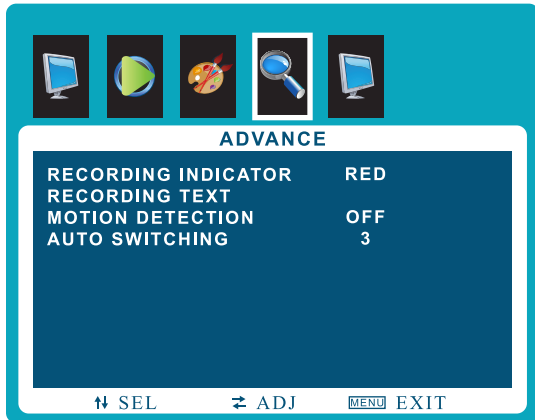| FUNCTION		VALUE
RECORDING INDICATOR	Sets the color of recording indicator LED	OFF / RED / BLUE / PURPLE
RECORDING TEXT	See table below	
MOTION DETECTION	See table on page 17	
AUTO SWITCHING	See table on page 18	

FUNCTION		VALUE
RECORDING TEXT	Enables the recording text	OFF / ON
TEXT BLINK	Sets the blinking text interval time	OFF / ON / 1 ~ 3 sec
TEXT SIZE	Adjusts the size of text	x 1 / x 2 / x 3
TEXT SELECT [1]	Selects the preset text	TEXT 1 / TEXT 2 / TEXT 3
TEXT COLOR	Adjusts the color of text	RED / GREEN / BLUE / BLACK / WHITE

1) PRESET TEXT - TEXT 1 : Recording / TEXT 2 : Recording in Progress / TEXT 3 : Surveillance in Progress

Advance - Adjust Motion Detection

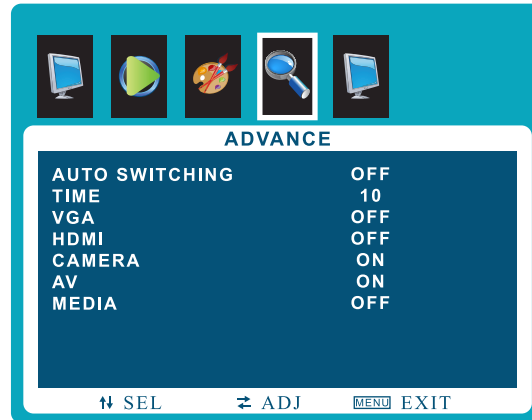▲/▼ MOVE ◄/► SELECT(ADJUST) MENU RETURN

MOTION DETECTION Option Window

FUNCTION		VALUE
DETECTION ENABLE	Enables the MOTION DETECTION function	OFF / ON
DETECTION INPUT	Selects the input source for Motion Detection	CAMERA / AV / MEDIA / VGA / HDMI
DETECTION TIME	Adjusts the time to display the swapped image / video which is trigged by motion detection. If user selects '10', the monitor will keep showing the swapped image/videos for 10 seconds whether or not motion detected. If there is no motion detection for 10 seconds, monitor will display original image/videos.	3 ~ 100 sec
DISPLAY TYPE	Adjusts the display mode of motion detection. PIP : Displays the motion detection input as the PIP of the current video input source. This PIP is set by PIP main menu. * See the PIP in page 19 FULL : Display the motion detection input as the full image/video on the monitor	PIP / FULL

CONTROL AND FUNCTION

Advance - Adjust Auto Switching
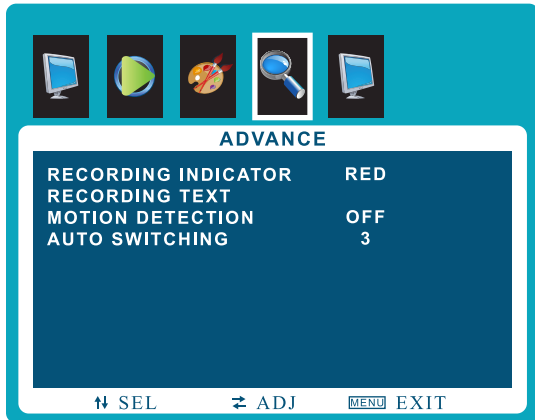
▲/▼ MOVE ◄/► SELECT(ADJUST) MENU RETURN

AUTO SWITCHING Option Window

FUNCTION		VALUE
AUTO SWITCHING	Enables the AUTO SWITCHING function	OFF / ON
TIME	Adjusts the time which the monitor displays one input source before switching to the other * Only selected two input sources can be displayed	3 ~ 100 sec
VGA	Sets the VGA input source as the switching display source	OFF / ON
HDMI	Sets the HDMI input source as the switching display source	OFF / ON
CAMERA	Sets the CAMERA input source as the switching display source	OFF / ON
AV	Sets the AV input source as the switching display source	OFF / ON
MEDIA	Sets the MEDIA input source as the switching display source	OFF / ON

CONTROL AND FUNCTION

PIP
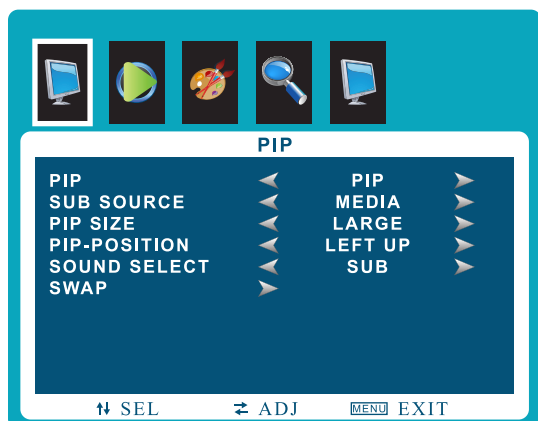
	FUNCTION	VALUE
PIP	Selects PIP or OFF	See table below
SUB SOURCE	Selects PIP input source	See table below
PIP SIZE	Adjusts PIP window size	See table below
PIP-POSITION	Adjusts PIP position	See table below
SOUND SELECT	Selects sound source input	MAIN, SUB
SWAP	Swaps the main display	

▲/▼ MOVE ◄/► SELECT(ADJUST) MENU RETURN

PIP	
OFF	PIP / PBP function off
PIP (Picture in Picture)	Separates the screen into two parts. One source device is displayed on the main screen at the same time the another source device is displayed in inset window

SUB SOURCE	
PIP / PBP input source OFF	DVI, YPBPR, HDMI, VGA, AV1, AV2, AV3, AV4, AV5

PIP SIZE	
SMALL, MEDIUM, LARGE	Display small, medium, large size PIP window on main display

PIP-POSITION	
LEFT UP / LEFT DOWN RIGHT UP / RIGHT DOWN	Set the position of PIP window on main display

PIP MODE					
	HDMI	MEDIA (Optional)	VGA	AV	CAMERA
HDMI	X	O	O	O	X
MEDIA (Optional)	O	X	O	O	O
VGA	O	O	X	O	O
AV	O	O	O	X	O
CAMERA	X	O	O	O	X

MOUNTING GUIDE

Wall Mounting (Optional)

VZ-PVM monitors are suitable for VESA wall mount (not included).

M4 x L10 screws for VZ-PVM-I2B3N / I2W3N (23" - 100x100)
M4 x L10 screws for VZ-PVM-I3B3N / I3W3N (27" - 100x100)
M6 x L8 screws for VZ-PVM-I2B3N / I2W3N (23" - 200x200)
VZ-PVM-I3B3N / I3W3N (23" - 200x200)
VZ-PVM-I4B3N / I4W3N (32")
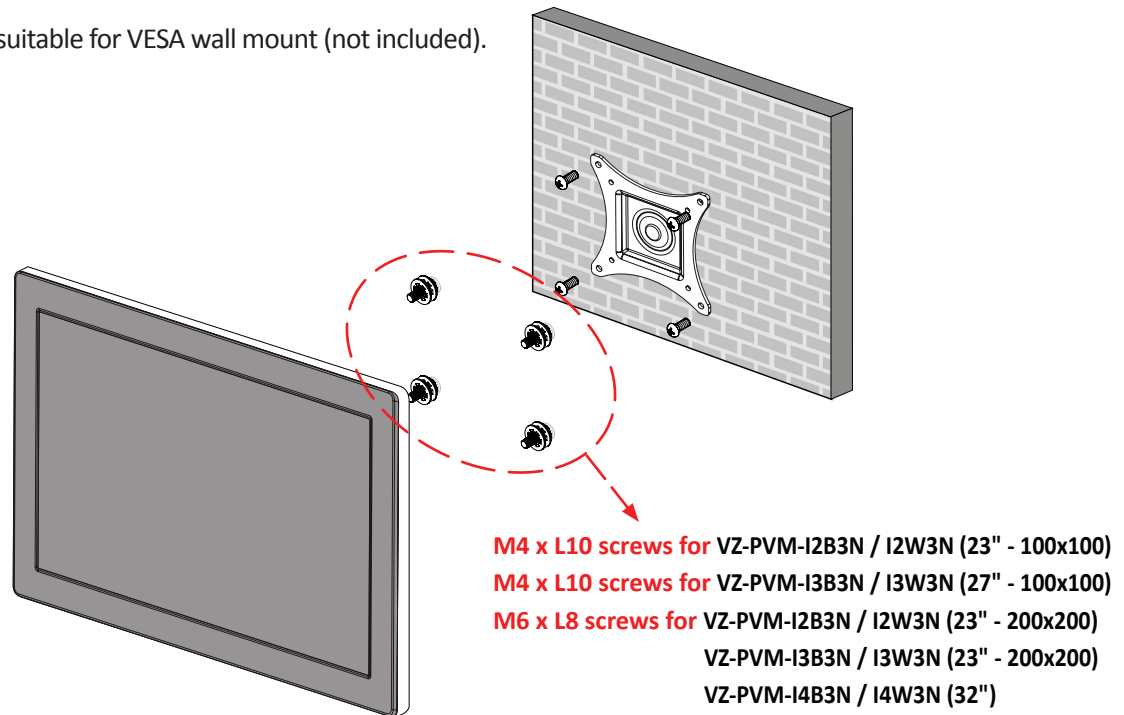
1. VZ-PVM-I2B3N/I2W3N, VZ-PVM-I3B3N/I3W3N : VESA WALL MOUNT 100mm x 100mm, 200mm x 200mm
2. VZ-PVM-I4B3N/I4W3N : VESA WALL MOUNT 200mm x 200mm

❗ Attention!
VZ-PVM-I2B3N/I2W3N (100x100) : You must use 4 * M4 x L10 screws to assemble this monitor and the wall mount bracket.
VZ-PVM-I3B3N/I3W3N (100x100) : You must use 4 * M4 x L10 screws to assemble this monitor and the wall mount bracket.
VZ-PVM-I2B3N/I2W3N (200x200), VZ-PVM-I3B3N/I3W3N (200x200), VZ-PVM-I4B3N/I4W3N : You must use 4 * M6 x L8 screws to assemble this monitor and the wall mount bracket.

❗ WARNING !
If user uses screws longer than
M4 x L10 mm for 100 x 100 - VZ-PVM-I2B3N/I2W3N, VZ-PVM-I3B3N/I3W3N
M6 x L8 mm for 200 x 200 - VZ-PVM-I2B3N/I2W3N, VZ-PVM-I3B3N/I3W3N, VZ-PVM-I3B3N/I3W3N
it may cause damage to the unit. Please use bolt of correct size and length as instructed.

⚠ Mounting Safety !
At least two people are recommended to safely install the mount.

SPECIFICATION

Model No.	VZ-PVM-I2B3N / I2W3N	VZ-PVM-I3B3N / I3W3N	VZ-PVM-I4B3N / I4W3N
Size & Type	23.6"	27"	32"
LCD — Panel Type	23.6'' LED Backlit Monitor	27'' LED Backlit Monitor	32'' LED Backlit Monitor
LCD — Pixel Pitch	0.2715 (H) x 0.2715 (V) mm	0.31125 (H) x 0.31125 (V) mm	0.36375 (H) x 0.36375 (V) mm
LCD — Brightness	250 cd/m²	300 cd/m²	450 cd/m²
LCD — Contrast Ratio	3000 : 1(Typ.)	3000 : 1(Typ.)	1200 : 1(Typ.)
LCD — Viewing Angle	R/L : 89°/ 89° U/D : 89°/ 89°		
LCD — Display Color	16.7 Million Colors		
LCD — Response Time	8.5 ms	8.5 ms	8 ms
Resolution	1920 (H) x 1080 (V)		
Case Type	Metal		
Active Display Area	521.28(H) x 293.22(V) mm	597.9 (H) x 336.3 (V) mm	698.4 (H) x 392.85 (V) mm
Aspect Ratio	16 : 9		
Frequency	30-67.5KHz(H) / 50-75Hz(V)	30-83.8KHz(H) / 50-75Hz(V)	30-84KHz(H) / 50-75Hz(V)
Color Temperature	Warm / Normal / Cool		
Speaker	2 x 5W		
Operating Temperature	32°F ~ 104°F / 0°C ~ 40°C		
Operating Humidity	20 ~ 70% RH		
Weight	Net : 22.04 lb / 10.0 kg Gross : 29.76 lb / 13.5 kg	Net : 28.66 lb / 13.0 kg Gross : 33.06 lb / 15.0 kg	Net : 33.06 lb / 15.0 kg Gross : 39.68 lb / 18.0 kg
INTERFACE	COMPOSITE VIDEO x 1, HDMI (High Definition Multimedia Interface) , VGA (RGB-PC) CAMERA OUT (RJ-45 x 1, CVBS x 1), Audio In / Out		
Safety & EMC Certification	CE / FCC / UL / ROHS		
Electrical Ratings — AC IN	AC 110-240V, 50/60Hz		
Electrical Ratings — DC 24V IN	24V === 2.0A	24V === 3.0A	24V === 4.0A
Power Consumption	≤ 36 W	≤ 46 W	≤ 50 W
Accessories	HDMI cable, Power Supply & Cable, User's Manual, Remote controller		

SPECIFICATION

Camera Specification

	Parameters	Description
Production Information	Product Name	2MP IP module
Main Chipset	Encode Chipset	Amba S233
	Sensor	SONY IMX322
Camera	Resolution	1920 (W) x 1080(H)
	Video System	NTSC / PAL
	Product Name	2MP IP module
	Digital Zoom	Support
	Minimum illumination	Color: 0.01Lux@ (F1.2, AGC ON) / B&W: 0.001Lux@(F1.2, AGC ON)
	Day & Night Mode	Support
	Removable Optical Filter	Support
	Electronic Shutter Speed	1 sec to 1/10000 sec
	Gain Control	Support
	White Balance	Auto
	Wide Dynamic Range (WDR)	Support WDR
	BLC	Support
	Highlight Compensation	Support
Lens	Lens Type	Vari-Focal
	Focal Length of the Lens	2.8 ~ 12mm
	Auto Iris	Support
External interface	Network Interface	RJ45 10 /100 Base-T
	CVBS Output	Support
	Reset Button	Support
Video	Video Encode	H.264 BP/HP/MP/MJPEG
	Video Resolution and Frame Rate	NTSC 60Hz:30fps / PAL 50Hz:25fps Main stream: 1920*1080/1280*720 Sub stream: 1280*720/D1/VGA
	Video Bit Rate	1Mbps-8Mpbs,support CBR/VBR
	Multi-Stream	Main stream ,sub stream
	Image Correction	corridor mode,saturation,brightness,contrast,sharpness
	Stream Type	VBR/CBR
	S/N Ratio	≥ 50 dB (AGC OFF)
	DNR	Auto/Manual support 3D DNR
Network	Integration Protocol	ONVIF 2.4 (supported)
	Network Protocol	TCP/IP,UDP,SMTP,HTTP,FTP,PPPOE,DHCP,DNS,DDNS,UPNP,RTP,RTSP
	Streaming Mode	Unicast
	Concurrent Access (# of Users)	10 users (Maximum 3ch 1080P)
	User Rights	Two roles: administrator and common users. The administrator can assign common users different rights.
WEB application	Language	English default
	Browser	Windows IE6,7,8,9,11 / Firefox (broken layout) / chrome (error)

ViewZ

TROUBLESHOOTING GUIDE

- Check the following before calling for service.
- If the same problems continue after checking, contact the reseller you purchased the monitor from.

At start	We recommend that you test with different input sources when you have trouble with the current input source. If symptom persists, follow the instructions below. After following the instructions below, please contact us at 1-888-99-VIEWZ.
No image or Noise on the screen	- Make sure the power cable is correctly plugged into the outlet - Make sure the power cable is correctly plugged into the monitor - Make sure the cable is correctly connected between monitor & source - Check brightness and see if brightness is set to 'Ø' - Check video source
Incorrect display or Half display	- Check your video source - Reset video source : connection, cable replacement, setting & more
Flickering and shadow image	- Check your input source setting for resolution and phase (Hz)
The audio function is not working	- Check the volume and make sure MUTE is not on - Check HDMI / Audio port cable connection
LED is flickering or no image	- Check the interface cable connection and make sure it's plugged in correctly - Check the input source

TERMS OF WARRANTY / RMA

- The warranty period for this monitor is 3 years. The warranty will be voided for the scenarios listed below.
- You can also download the manual and information at VIEWZ web site: VIEWZUSA.COM

Cases of Non-Warranty Coverage	When power feed to the monitor exceeds capacity and causes damage
	Accident, Abuse, Misuse, Neglect, Fire, Water/liquids, Lightning or any act of nature
	Damaged by dropping, throwing and hitting the monitor
	Failure caused by users attempt to modify the product
	Failure by limited life of parts such as LED Lamps and any other consumables
	Damaged by using third party power cable, unstable power input and electric shock

* Above information can be changed without notification - please check our website or
  contact ViewZ representative for latest RMA service policy.

* When shipping the monitor for RMA, make sure to pack safely to ensure the monitor is
  not damaged during shipping.

NOTE

WARRANTY

ViewZ USA
LIMITED 3 YEAR WARRANTY

What and Who is Covered by this Limited Warranty and for How Long
ViewZ USA warrants this product to be free from defects in material and workmanship for 3 years to the original owner of this product. The limited warranty is valid only for the original purchaser of the product.

What ViewZ USA Will Do
At the sole discretion of ViewZ USA, ViewZ USA will repair or replace any product or product part that is defective. If ViewZ USA chooses to replace a defective product or part, a replacement product or part will be shipped to you at no charge, but you must pay any labor costs.

What is Not Covered; Limitations
ViewZ USA disclaims any liability for damage to mounts, adapters, displays, projectors, other property, or personal injury resulting, in whole or in part, from improper installation, modification, use or misuse of its products.

ViewZ USA disclaims all other warranties, express or implied, including warranties of merchantability and fitness for a particular purpose. ViewZ USA is not responsible for incidental or consequential damages, including but not limited to, inability to use its products or labor costs for removing and replacing defective products or parts. Some states do not allow the exclusion or limitation of incidental or consequential damage, so the above limitation or exclusion many not apply to you.

What Customers Must Do for Limited Warranty Service
If you discover a problem that you think may be covered by the warranty you MUST REPORT it in writing to the address below within thirty (30) days. Proof of purchase (an original sales receipt) from the original consumer purchaser must accompany all warranty claims. Warranty claims must also include a description of the problem, the purchaser's name, address, and telephone number. General inquiries can be addressed to ViewZ USA Customer Service at 1-888-998-4399. Warranty claims will not be accepted over the phone or by fax.

> ViewZ USA
> Attn: Warranty Claim
> 177 W. Orangethorpe Ave.
> Placentia, CA 92870

How State Law Applies
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Disclaimer

ViewZ USA intends to make this manual accurate and complete. However, ViewZ USA makes no claim that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this monitor. The information contained in this document is subject to change without notice or obligation of any kind. ViewZ USA makes no representation of warranty, expressed or implied, regarding the information contained herein. ViewZ USA assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

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