

VZ-HD-PVMN SERIES

23", 27" & 32" HD PUBLIC VIEW MONITOR

HD-PVM N USER MANUAL



ViewZ[®]
www.viewzusa.com

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

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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 : 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 when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

- 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.

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.



3. When finished, secure the access panel.

Input : Power Source output terminal / Output : Set input terminal

VZ-DC24-320 (Power Transformer) Test Result

Cable Type - 18AWG (Current : 12~19 A)	1 Set of HD-PVM-N			2 Set of HD-PVM-N			3 Set of HD-PVM-N		
ft / meter	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


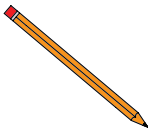
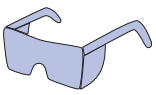
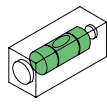
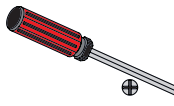
Cable Type - 18AWG (Current : 12~19 A)	1 Set of HD-PVM-N			2 Set of HD-PVM-N			3 Set of HD-PVM-N		
ft / meter	DC 24V	DC 27V	Max. V	DC 24V	DC 27V	Max. V	DC 24V	DC 27V	Max. V
100 ft / 30.48 m	tested	tested	tested	tested	tested	tested	tested	tested	tested
150 ft / 45.72 m	tested	tested	tested	tested	tested	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									
350 ft / 106.68 m									

Cable Type - 18AWG (Current : 12~19 A)	1 Set of HD-PVM-N			2 Set of HD-PVM-N			3 Set of HD-PVM-N		
ft / meter	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	Not Recommended	tested	tested	Not Recommended	tested	tested	Not Recommended	tested	tested
250 ft / 76.20 m		Not Recommended	Not Recommended		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

<ul style="list-style-type: none"> Part # WM05 	<ul style="list-style-type: none"> Flat Wall Mount VESA 50 ~ 100 23" PVM 	<ul style="list-style-type: none"> Part # WM11 	<ul style="list-style-type: none"> Tilting -45° ~ +45° Swivel 180° VESA 75 ~ 100 23 & 27" PVM 	<ul style="list-style-type: none"> Part # AM02-A 	<ul style="list-style-type: none"> Tilting -20° ~ 20° Swivel 180° VESA 75 ~ 200 23,27 & 32" PVM
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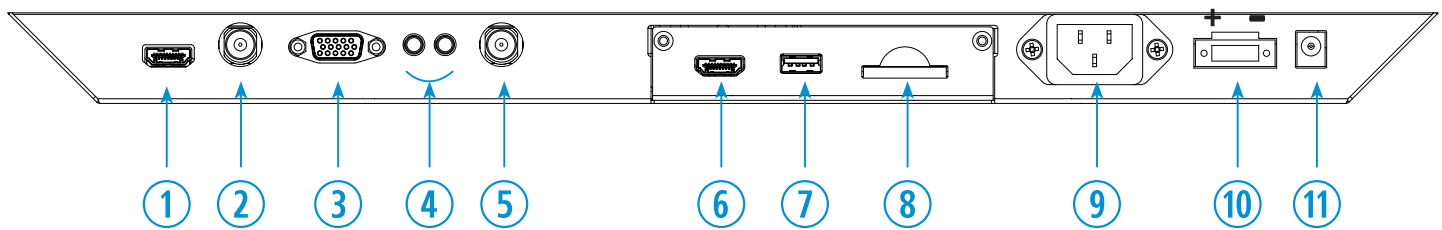
Ceiling Mount

<ul style="list-style-type: none"> Part # CM-308 	<ul style="list-style-type: none"> Tilting -5° ~ 45° Rotation 360° Black / White Poll : 3 ~ 18 ft 23,27 & 32" PVM 	<ul style="list-style-type: none"> Part # CMKIT-02 	<ul style="list-style-type: none"> Tilting -12° ~ +5° Rotation 360° Poll : 35" ~ 70" 23,27 & 32" PVM
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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. (Optional) Media Player HDMI OUT
7. (Optional) Media Player USB
8. (Optional) Media Player SD Card
9. AC 110V IN
10. DC 24V IN
11. DC 12V OUT

Warning

When you plugin into the green terminal connector (DC24V), please be careful about the + & - sign.
If you do not follow the + & - sign, it causes a serious damage to the monitor.

REMOTE FUNCTION

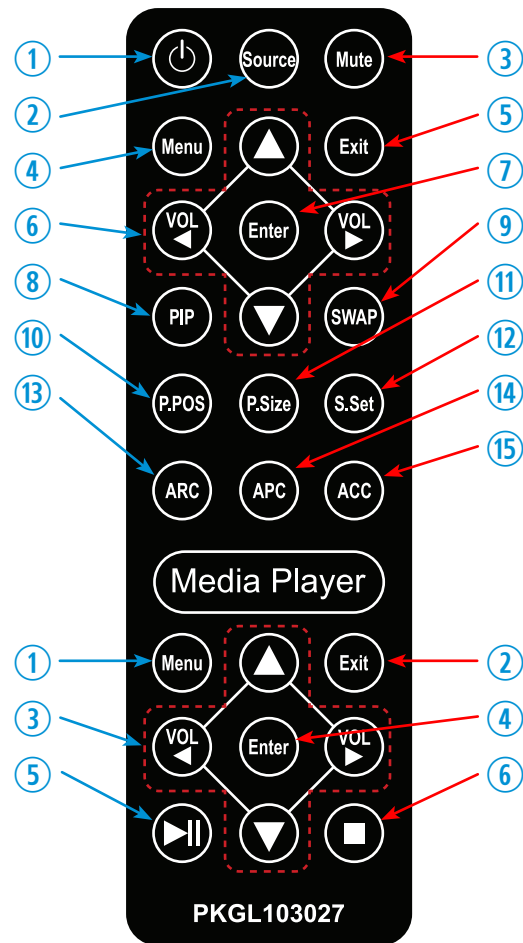
Remote Controller

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 & Right** ◀(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

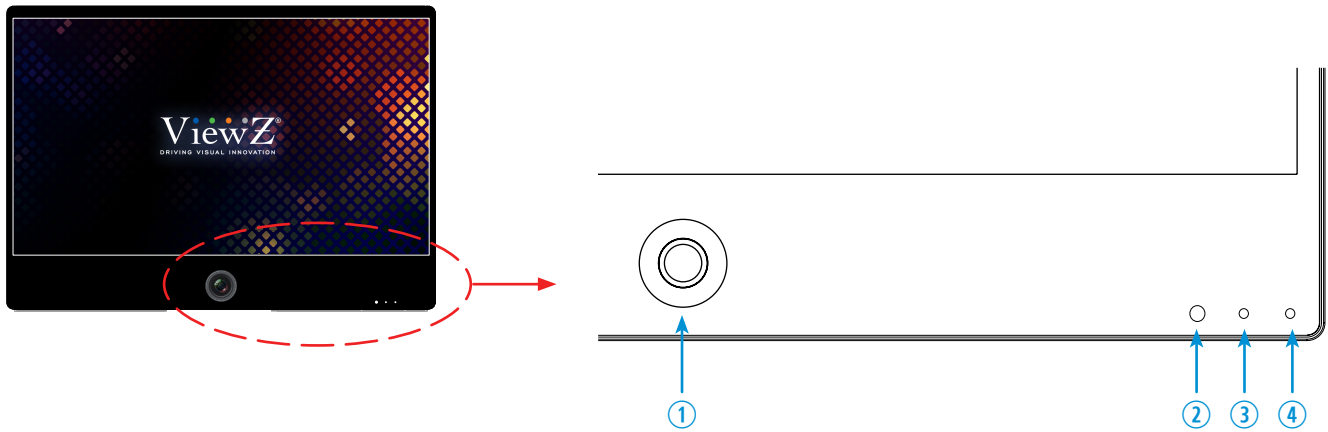


Display image, sound and custom settings can be adjusted in OSD (On Screen Display) menu by remote controller.
To adjust monitor setting value :

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

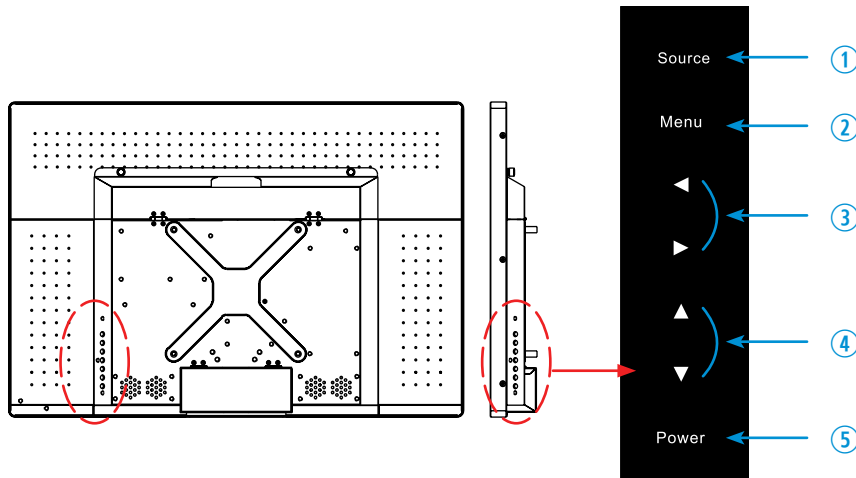
On Monitor, Front Area



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



- | | |
|--|---|
| <ol style="list-style-type: none"> 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 | <ol style="list-style-type: none"> 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



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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

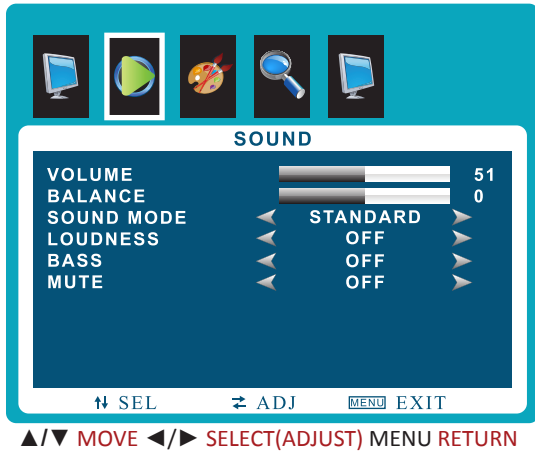
2) AV-input support

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

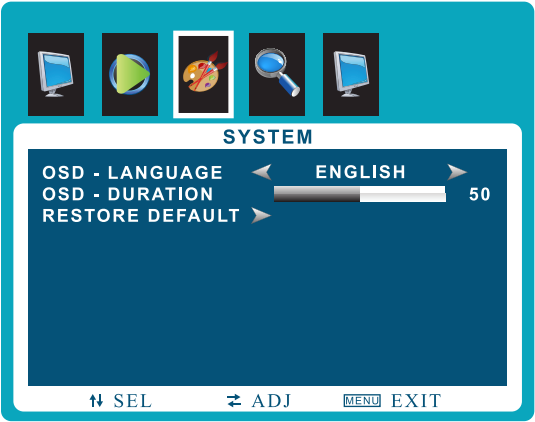
Sound



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

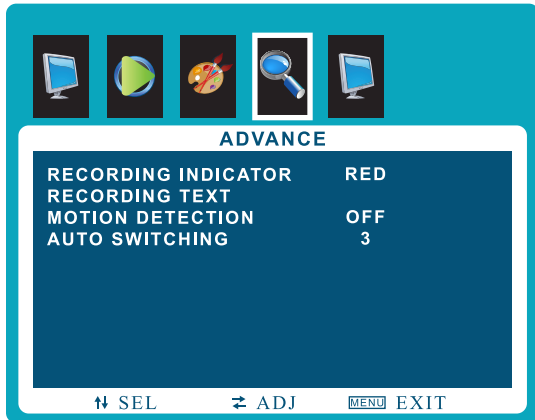


▲/▼ MOVE ◀/▶ SELECT(ADJUST) MENU RETURN

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

CONTROL AND FUNCTION

Advance - Adjust Recording Indicator Color / Recording Text



▲/▼ MOVE ◀/▶ SELECT(ADJUST) MENU RETURN

RECORDING TEXT Option Window

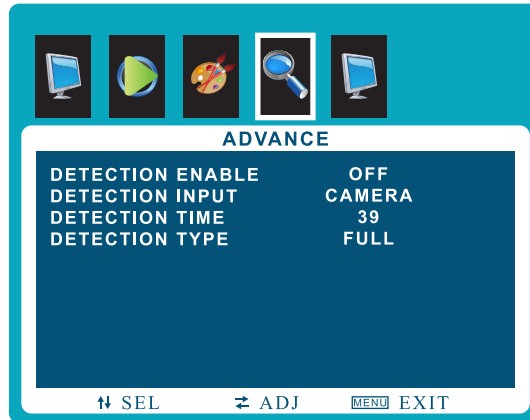
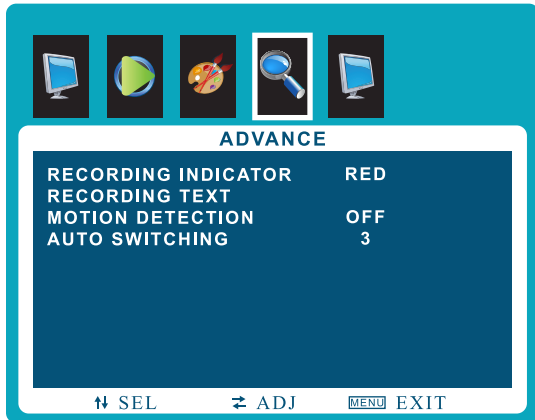
FUNCTION		VALUE
RECORDING INDICATOR	Sets the color of recording indicator LED	OFF / RED / BLUE / PURPLE
RECORDING TEXT	See table below	
MOTION DETECTION	See table on page 17	
AUTO SWITCHING	See table on page 18	

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

CONTROL AND FUNCTION

Advance - Adjust Motion Detection



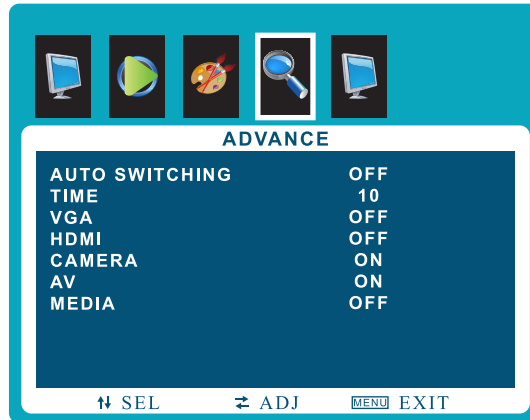
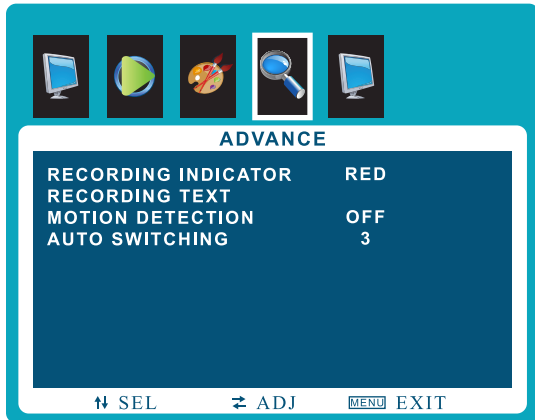
▲/▼ MOVE ◀/▶ SELECT(ADJUST) MENU RETURN

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 triggered 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



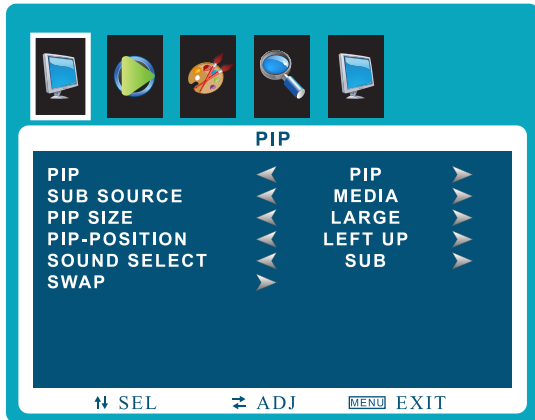
▲/▼ MOVE ◀/▶ SELECT(ADJUST) MENU RETURN

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	DVI, YPBPR, HDMI, VGA, AV1, AV2, AV3, AV4, AV5
OFF	

PIP SIZE

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

PIP-POSITION

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

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

CAMERA CONTROL & FUNCTION

Set up the menu

MAIN MENU	
▶ 1. LENS	MANUAL
2. EXPOSURE	↵
3. BACKLIGHT	OFF
4. WHITE BAL	ATW
5. DAY & NIGHT	COLOR
6. NR	↵
7. SPECIAL	↵
8. ADJUST	↵
9. EXIT	SAVE & END

Setting can be modified by using the OSD keypad (switch) located on the backside of camera.

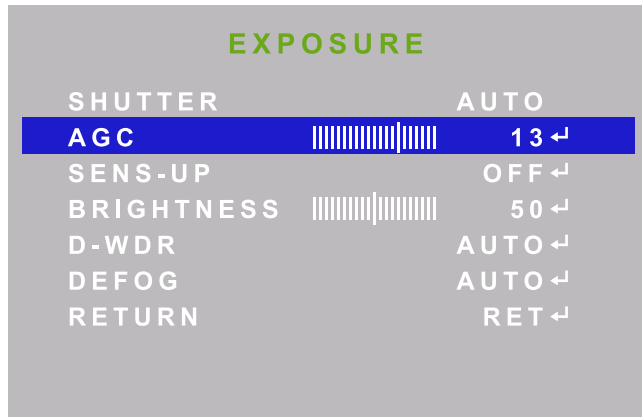
- Press the button to access the **MAIN MENU** mode. The **MAIN MENU** is displayed on the monitor.
- Please select any function you wish to activate by using the **UP/DOWN** selection. The cursor can be moved up or down by using the **UP/DOWN** selection.
Set the cursor to point to the function which you want to operate.
* **MAIN MENU**: Use **UP/DOWN** selection. | **SUB MENU**: Use **LEFT/RIGHT** selection.
- Change the status of the selected feature using the **LEFT/RIGHT** selection.
When the **LEFT/RIGHT** selection is done, available values and modes are displayed in order.
Please keep the selection until you get to the mode you wish to operate.
- When completed, move the cursor indicator to **EXIT** position and press the Button to finish the setting

Set up the menu - LENS

FUNCTION		VALUE
LENS		MANUAL / DC
MANUAL	The level of brightness of a screen is automatically controlled using the Electronic Shutter, AGC and Sens-up	
DC (IRIS)	Select "INDOOR" and "OUTDOOR" mode. In "OUTDOOR" mode, choose one of modes; "MIN SHU" 1/30 & "MAX SHU" 1/2000.	
IRIS Speed	Select the brightness level of screen	0 ~ 15

CAMERA CONTROL & FUNCTION

Set up the menu - EXPOSURE



D-WDR Off



D-WDR On



SENS-UP x2



SENS-UP x64



SENS-UP x128

FUNCTION		VALUE
SHUTTER	Adjust shutter speed.	AUTO & FLK level: 1/60 ~ 1/100000 / X2 ~ X60
AGC(Auto Gain Control)	The higher the gain level, the brighter the screen. But the higher the noise.	0 ~ 15
SENS-UP	The Sens-up function allows the camera can display the bright image even extreme darkness. * On the AUTO selection : SENS-UP x2, x4, x6, x8, x10, x15, x20, x25, x30	OFF / AUTO
BRIGHTNESS	Adjust the brightness level.	1 ~ 100
D-WDR	D-WDR(Digital-Wide Dynamic Range) block performs an image enhancement processing to Enhance visibility of an image by changing the brightness values to the level that people can Recognize the change. * On the 'ON' selection : select 0 ~ 8	OFF / ON / AUTO
DEFOG	Brighten the image when it's foggy or cloudy.	OFF / AUTO
POS/SIZE	Select the region to apply DEFOG.	-
GRADATION	Set up the level of DEFOG.	0 ~ 2
DEFAULT	Go back to the factory setting of DEFOG.	-

CAMERA CONTROL & FUNCTION

Set up the menu - BACK LIGHT

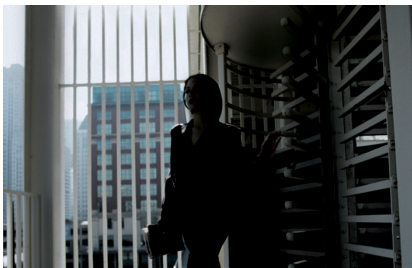
MAIN MENU

- 1. LENS MANUAL
- 2. EXPOSURE ↵
- ▶ 3. BACKLIGHT BLC
- 4. WHITE BAL ATW
- 5. DAY & NIGHT COLOR
- 6. NR ↵
- 7. SPECIAL ↵
- 8. ADJUST ↵
- 9. EXIT SAVE & END

BLC

- LEVEL MIDDLE ↵
- ▶ AREA ↵
- DEFAULT ↵
- RETURN RET ↵

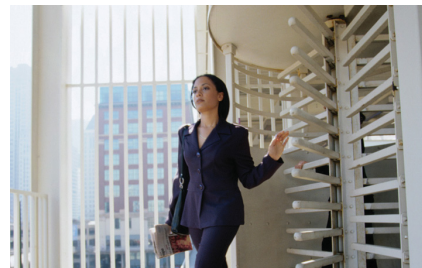
	FUNCTION	VALUE
BLC	Possible to select two areas at AREA SEL & can control GAIN, expand or reduce a length area by HEIGHT and the width area by WIDTH, Move to a width direction by LEFT/RIGHT and the length direction by TOP/BOTTOM.	
LEVEL	Set up the level of Black Mask.	LOW / MIDDLE / HIGH
AREA	Adjust the BLC area.	POSITION / SIZE / RET / AGAIN
DEFAULT	Go back to the factory setup of BLC.	-
RETURN	Go back to the top OSD menu.	-



Original Image



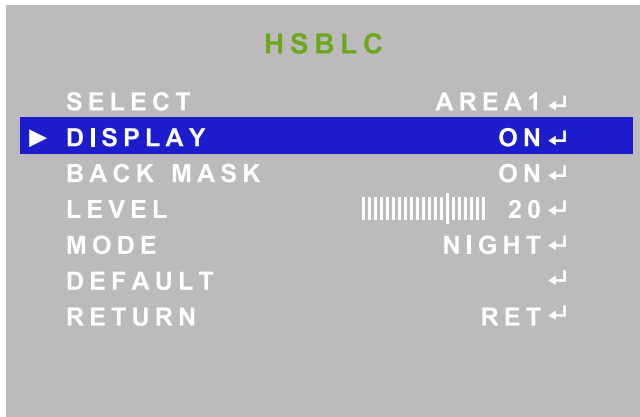
BLC ON and Area Set Mode



BLC ON

CAMERA CONTROL & FUNCTION

Set up the menu - BACKLIGHT



Before



After

FUNCTION		VALUE
HSBLC	It cuts off the strong lighting like the “headlight”. According to user’s adjustment, zones & sensitivity can be adjustable. In case of the car surveillance, it remarkably performs recognizing License plate or subject HLC is a function to mask bright areas in order to prevent the target object from looking dark due to the backlighting.	
SELECT	Adjust the 4 HSBLC area.	AREA 1 ~ AREA 4
BLACK MASK	Adjust the transmission range of light in HSBLC is show in Black.	OFF / ON
LEVEL	Set up the level of Black Mask.	0 ~ 100
MODE	Set up HSBLC mode for day and night.	NIGHT / ALL DAY (AGC LEVEL, 0 ~ 255)
DEFAULT	Go back to the factory setup of HSBLC.	-
RETURN	Go back to the top OSD menu.	-

CAMERA CONTROL & FUNCTION

Set up the menu - WHITE BALANCE

MAIN MENU

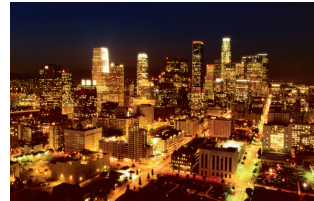
- 1. LENS MANUAL
- 2. EXPOSURE ↵
- 3. BACKLIGHT OFF
- ▶ 4. WHITE BAL ATW
- 5. DAY & NIGHT COLOR
- 6. NR ↵
- 7. SPECIAL ↵
- 8. ADJUST ↵
- 9. EXIT SAVE & END



White Balance Off



White Balance On



Bad AWB



Good AWB

FUNCTION		VALUE
MANUAL	Select this to fine-tune White Balance manually. Set White Balance first by using the ATW or AWC mode. After that switch to MANUAL mode, fine-tune the White Balance and then press the SET button.	BLUE (0 ~ 100) / RED (0 ~ 100)
AWC-SET	To find the optional setting for the current luminance environment in this mode, set the point the camera toward a sheet of white paper and press the SET button. If the environment changes, readjust it.	-
ATW	Select this when the color temperature is between 2300K & 9500K.	-
INDOOR	Select this when the color temperature is between 4500K & 8500K.	-
OUTDOOR	Select this when the color temperature is between 1800k & 10500k (sodium light inclusion).	-
AWB	Select this when the color temperature is between 2500K & 10500K.	-

CAMERA CONTROL & FUNCTION

Set up the menu - DAY & NIGHT

MAIN MENU

- 1. LENS MANUAL
- 2. EXPOSURE ↵
- 3. BACKLIGHT OFF
- 4. WHITE BAL ATW
- ▶ 5. DAY & NIGHT COLOR
- 6. NR ↵
- 7. SPECIAL ↵
- 8. ADJUST ↵
- 9. EXIT SAVE & END

B / W

- BURST OFF
- ▶ IR SMART OFF
- RETURN RET ↵

	FUNCTION	VALUE
DAY & NIGHT	Useful in environments that restrict the use of artificial light.	
COLOR	Use to maintain color mode all the time.	-
B/W	Use to maintain B/W mode all the time.	-
BURST	Alters the color burst information passed to the video monitor. Since this is B/W mode, it doesn't effect color but can effect gain. If your monitor is showing a poor image and you are using long runs of cable, changing this setting from OFF to ON may improve the situation.	OFF / ON
IR SMART	Adjust the display saturation.	OFF / ON
RETURN	Go back to the top OSD menu.	-



Color



B / W



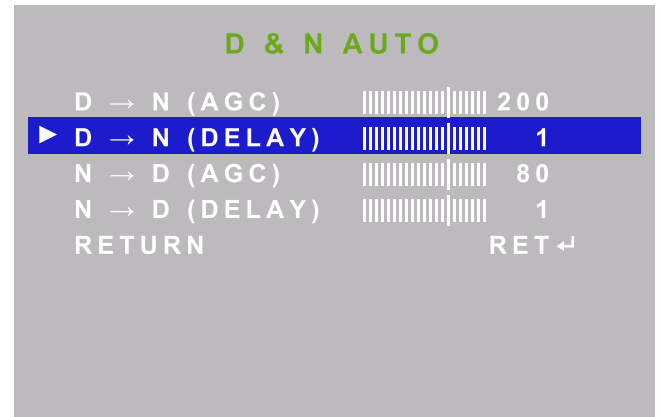
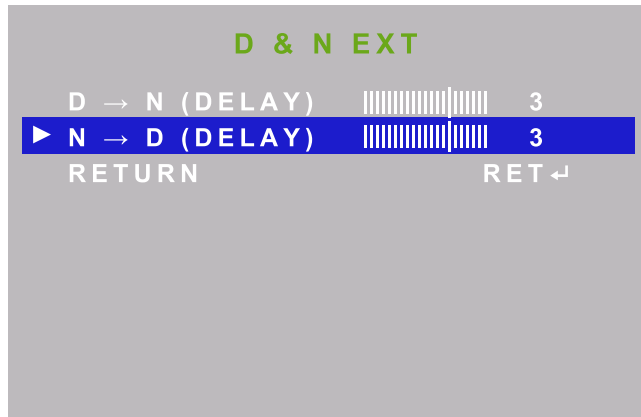
SMART IR Off



SMART IR On

CAMERA CONTROL & FUNCTION

Set up the menu - DAY & NIGHT



FUNCTION		VALUE
DAY & NIGHT		
EXT	It is a mode to convert Day & Night by received external input signal.	-
D → N (DELAY)	Adjust the delay time which transmit from Day mode to Night mode.	0 ~ 60
N → D (DELAY)	Adjust the delay time which transmit from Night mode to Day mode.	0 ~ 60
AUTO	The camera will automatically show color image in high lux & black/white image in low lux.	-
D → N (AGC)	Adjust the sensibility of Auto Gain Control when turn between Day and Night mode.	1 ~ 255
D → N (DELAY)	Adjust the delay time which transmit from Day mode to Night mode.	1 ~ 60
N → D (AGC)	Adjust the sensibility of Auto Gain Control when turn between Day and Night mode.	1 ~ 255
N → D (DELAY)	Adjust the delay time which transmit from Night mode to Day mode.	1 ~ 60
RETURN	Go back to the top OSD menu.	-

CAMERA CONTROL & FUNCTION

Set up the menu -NR

MAIN MENU

1. LENS	MANUAL
2. EXPOSURE	↵
3. BACKLIGHT	OFF
4. WHITE BAL	ATW
5. DAY & NIGHT	COLOR
▶ 6. NR	↵
7. SPECIAL	↵
8. ADJUST	↵
9. EXIT	SAVE & END

NR

2DNR	MIDDLE
▶ 3DNR	HIGH
RETURN	RET ↵

FUNCTION		VALUE
NR	Improve S/N ratio and more clean the low illumination quality and can be monitoring at night clearly without the image drag and noise phenomenon.	-
2DNR	Adjust the 2DNR level. 2DNR is to analyze individual frames of video, using special algorithm filter to mitigate the effects of noise.	OFF / LOW / MIDDLE / HIGH
3DNR	Adjust the 3DNR level. 3DNR level reduces more low light noise but it can cause ghost effect as well.	OFF / LOW / MIDDLE / HIGH
RETURN	Go back to the top OSD menu.	-



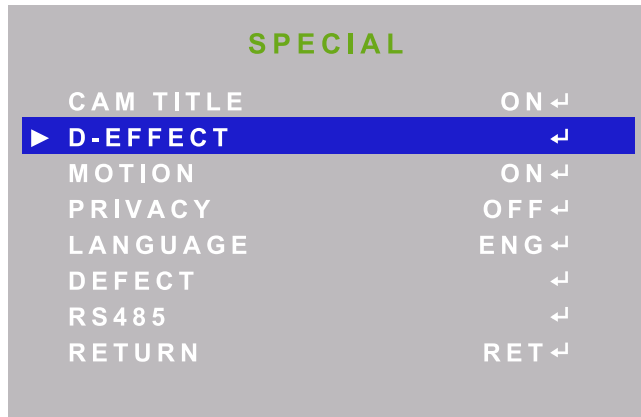
Original Image



2D/3D NR

CAMERA CONTROL & FUNCTION

Set up the menu -SPECIAL



Original Image



Motion Detection On



8 Privacy Mask



4 Privacy Mask

FUNCTION		VALUE
SPECIAL		
CAM TITLE	Make a camera title.	-
D-EFFECT		FREEZE / MIRROR / NEG
FREEZE	Freeze the current display picture.	
MIRROR	Reverse the picture vertically or horizontally or rotate the picture.	OFF / V-FLIP / MIRROR / ROTATE
NEG. IMAGE	Make the negative picture like film.	OFF / ON
MOTION	This feature allows you to integrate your cameras with external devices.	OFF / ON
SELECT	Select the region for motion	AREA 1 ~ 4
DISPLAY	Show the motion detection area	OFF / ON (Position, Size, Again, Ret)
SENSITIVITY	Setup the sensitivity of motion detection	0 ~ 100
COLOR	Select color of Motion range in SELECT.	GREEN / RED / WHITE / BLUE
TRANS	Setup the level of Motion range in SELECT.	1.0 / 0.75 / 0.25 / 0
ALARM	Setup the Alarm	-
VIEW TYPE	Setup the Alarm view mode	OFF / ALL / OUTLINE / BLOCK
OSD VIEW	Setup the Alarm OSD view mode.	OFF / ON
ALARM	Turn on / off the Alarm.	OFF / ON
TIME	Setup the time of Alarm mode.	0 ~ 15
DEFAULT	Go back to the factory setting of motion.	-
PRIVACY	Set up the privacy mask area of camera.	OFF / ON
SELECT	Select the region for privacy.	AREA 1 ~ 8
DISPLAY	Show the privacy area by selected option.	OFF / COLOR / MOSAIC / INV.
COLOR	Select color of Privacy range in SELECT.	WHITE/BLACK/CYAN/RED/BLUE/YELLOW/GREEN/USER
TRANS	Setup the level of Privacy range in SELECT.	1.0 / 0.75 / 0.25 / 0
DEFAULT	Go back to the factory setting of privacy	-

CAMERA CONTROL & FUNCTION

Set up the menu -SPECIAL

DEFECT

- 1. LIVE DPC ON ↵
- ▶ 2. WHITE DPC ON ↵
- 3. BLACK DPC OFF ↵
- 4. RETURN RET ↵

RS485

- 1. CAM ID ||||| 0
- ▶ 2. ID DISPLAY OFF
- 3. BAUDRATE 2400
- 4. RETURN RET ↵

FUNCTION		VALUE
SPECIAL LANGUAGE	Select the language of OSD	ENG / ARB / HEB / JRN / KOR / TUR / NED POR / RUS / POL / SPA / ITA / FRA / GER / CHR
DEFECT	Adjust the option of dead pixel correction	-
LIVE DPC	Auto dead pixel correction	OFF / ON
WHITE DPC	Adjust the dead pixel correction as white	OFF / ON
BLACK DPC	Adjust the dead pixel correction as black	OFF / ON
RS485	Check your camera can support this feature. Set proper BAUD RATE to communicate with other devices.	-
CAM ID	You can select camera ID from 0 to 255 when using remote control.	0 ~ 255
ID DISPLAY	Show the camera ID on the monitor.	OFF / ON
BAUDRATE	The baud rate is the rate at which information is transferred in a communication channel. in the serial port context,	2400 ~ 38400
RETURN	Go back to the top OSD menu.	-

CAMERA CONTROL & FUNCTION

Set up the menu - ADJUST

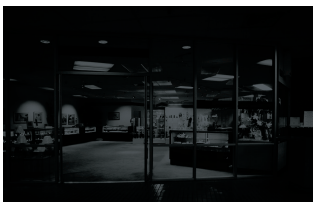
MAIN MENU

1. LENS	MANUAL
2. EXPOSURE	↵
3. BACKLIGHT	OFF
4. WHITE BAL	ATW
5. DAY & NIGHT	COLOR
6. NR	↵
7. SPECIAL	↵
▶ 8. ADJUST	↵
9. EXIT	SAVE & END

ADJUST

1. SHARPNESS	AUTO ↵
▶ 2. MONITOR	LCD ↵
3. LSC	ON
4. VIDEO OUT	NTSC
5. RETURN	RET ↵

FUNCTION		VALUE
Adjust	Adjust the basic camera setup.	-
SHARPNESS	Adjust the sharpness.	OFF / AUTO
LEVEL	Adjust the sharpness level.	0 ~ 100
START AGC	Select the start point of AGC.	1 ~ 255
END AGC	Select the end point of AGC.	1 ~ 255
MONITOR	Select the prefer monitor type to adjust picture output.	LCD / CRT
LCD	Select the video output as LCD monitor	GAMMA 0.45 ~ USER / BLUE GAIN 0 ~ 100 RED GAIN 0 ~ 100
CRT	Select the video output as CRT monitor	BLACK LEVEL -30 ~ +30 / BLUE GAIN 0 ~ 100 RED GAIN 0 ~ 100
LSC	When using wide angle, you can compensate darkness of corner on the screen.	OFF / ON
VIDEO OUT	Select the video output	NTSC / PAL
RETURN	Go back to the top OSD menu.	-



AGC OFF



AGC ON

MEDIA PLAYER CONTROL

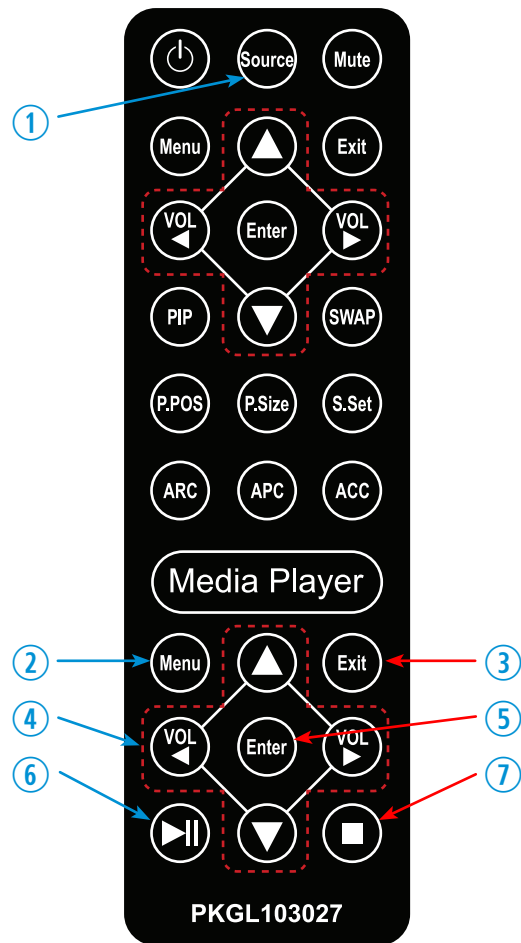
Remote Controller

Media Controller

1. **Source** - To enter / exit Media player OSD, select the 'Media' on the input source list
2. **Menu** - Enter / Exit Media player menu
3. **Exit** - Exit Media player menu
4. **Left & Right** ◀(VOL)▶, **Up & Down** ▲▼
5. **Enter** - Confirm the selection
6. **Stop & Play** - Freeze the media play
7. **Stop** - Stop the media play

* Input source list window will show on the top-left corner. Select 'MEDIA.'

VGA
HDMI
CAMERA
AV
MEDIA

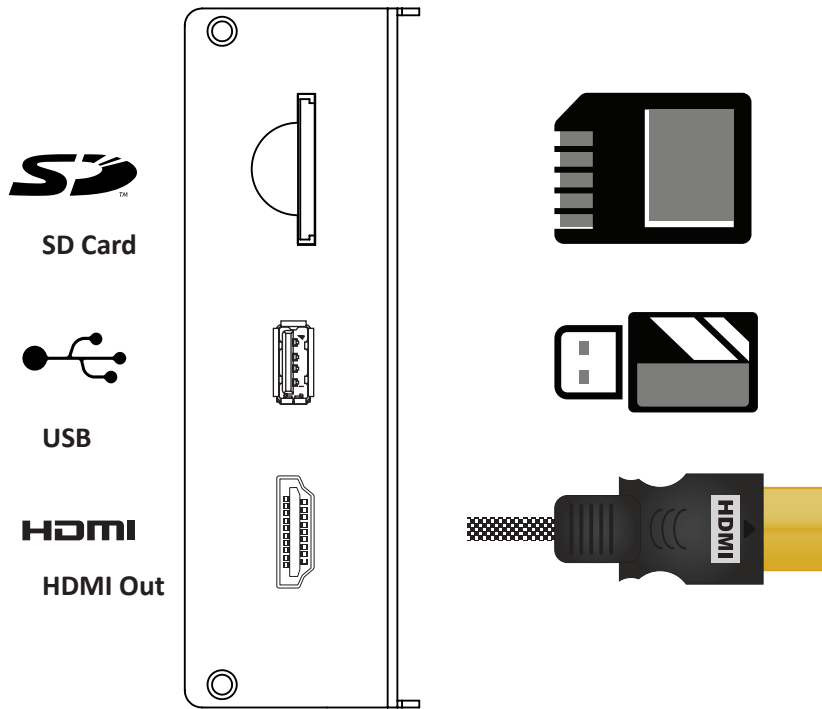


Display image, sound, videos and custom settings can be adjusted in Media player OSD (On Screen Display) menu by remote controller. To adjust, play and stop media :

1. When select '**MEDIA**' among the input source list, press the '**MENU**' button to enter the Media OSD
2. Press the ◀ / ▶ buttons to select the desired sub-menu. The selected submenu will be highlighted
3. Press the '**ENTER**' button to enter the sub-menu for playing or adjusting setup
4. Press the ◀ / ▶ / ▲ / ▼ buttons to select a file to play. Press '**ENTER**' button to play selected content.
5. Press the '**STOP**' button to stop playing.
6. Press the '**EXIT**' button to exit to the Media OSD
7. Press the '**SOURCE**' button and select another input source to exit Media OSD

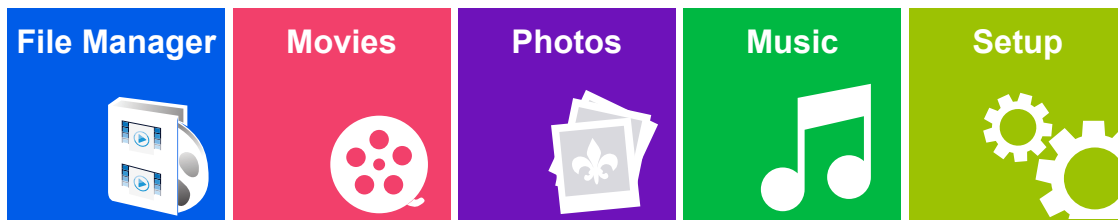
MEDIA PLAYER CONTROL

Media Card Interface



- **HDMI OUT**
Media player looping out
- **Connect USB or SD card**
 1. Connect USB or SD card devices to USB or SD Card slot located at the back of the PVM
- **Remove USB or SD card**
 1. Return to the main menu and press exit
 2. Remove the USB & SD card from the slot

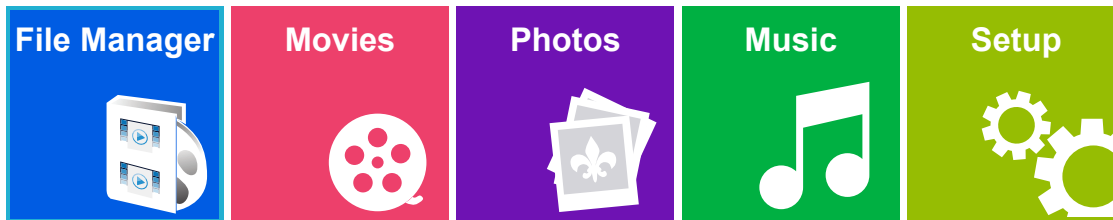
Media Player OSD



FUNCTION	
File Manager	Displays all available video, photo and music files
Movies	Plays video files from the SD Card or USB
Photos	Displays image files from the SD Card or USB
Music	Plays music files from the SD Card or USB
Setup	Adjusts Audio, Video and System Effect

MEDIA PLAYER CONTROL

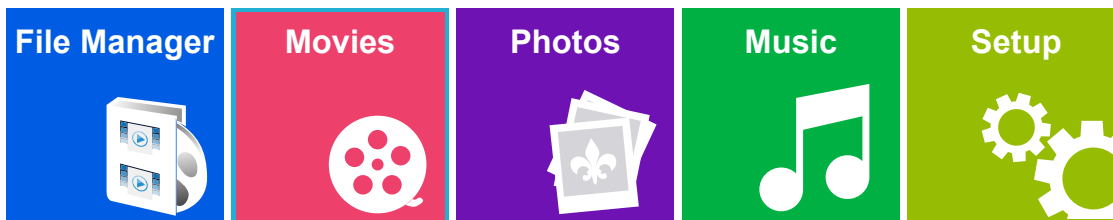
File Manager



When you select **File Manger** on the entry menu of Media play:

1. Press the **ENTER** button and then press ◀ / ▶ / ▲ / ▼ buttons to select a file to play or display.
2. Press the **ENTER** button again to play the video file or display the image / slide-show.
3. Press ■ button to stop playing the video file or displaying the image file / slide-show.
4. Press ▶ || button to play or pause the video file.
5. Press the **EXIT** button to return to the **Media OSD MENU**

Movies



When you select **Moives** on the entry menu of Media play:

1. Press the **ENTER** button and then press ◀ / ▶ / ▲ / ▼ buttons to select a video file to play.
2. Press the **ENTER** button again to play the video file.
3. Press ■ button to stop the video file.
4. Press ▶ || button to pause the video file.
5. Press the **EXIT** button to return to the **Media OSD MENU**

MEDIA PLAYER CONTROL

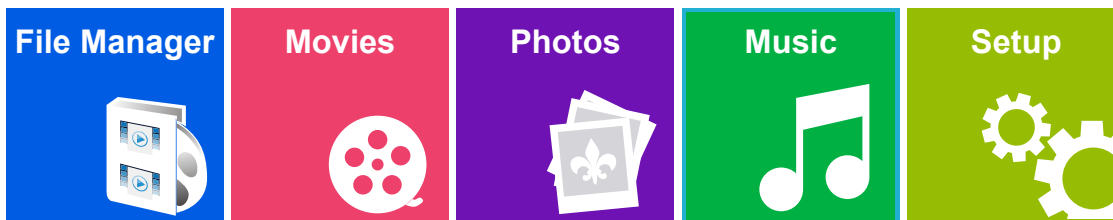
Photos



When you select **Photos** on the entry menu of Media play:

1. Press the **ENTER** button and then press ◀ / ▶ / ▲ / ▼ buttons to select a image file to display.
2. Press the **ENTER** button again to display the image or slide-show.
**Note: If you have more than one image file, the "slide-show" mode will activate automatically*
3. Press ■ button to stop displaying.
4. Press ▶ || button to pause the slide-show and show only one image file in a non "slide-show" mode.
5. Press the **EXIT** button to return to the **Media OSD MENU**

Music

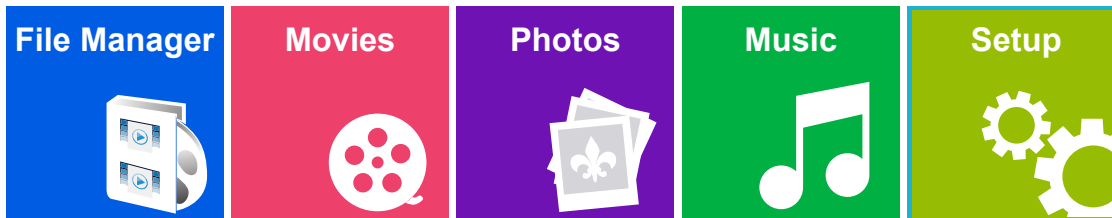


When you select **Music** on the entry menu of Media play:

1. Press the **ENTER** button and then press ◀ / ▶ / ▲ / ▼ buttons to select a file to play.
2. Press the **ENTER** button again to play the music file.
3. Press ■ button to stop playing.
4. Press ▶ || button to pause.
5. Press the **EXIT** button to return to the **Media OSD MENU**

MEDIA PLAYER CONTROL

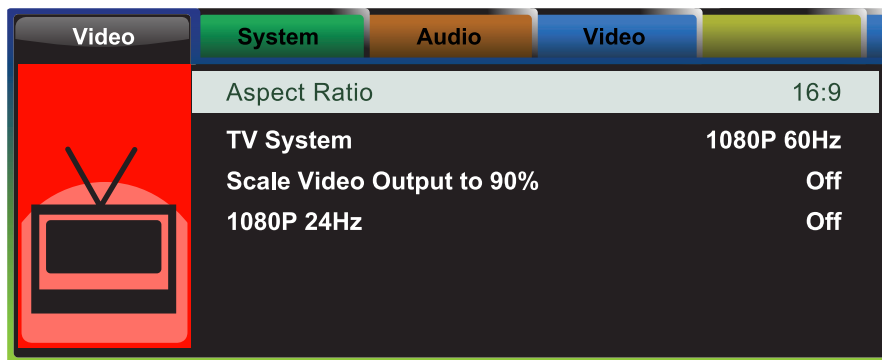
Setup



When you select **Setup** on the entry menu of Media play:

1. Press the **ENTER** button and then press ◀ / ▶ buttons to select between Video / Audio / System setup.
2. Select **Video** and then press ▲ / ▼ button to select the parameters which you want to adjust.
3. Press the **ENTER** button again to select and adjust the details.
4. Press the **EXIT** button to return to the **Media OSD MENU**

Setup - Video

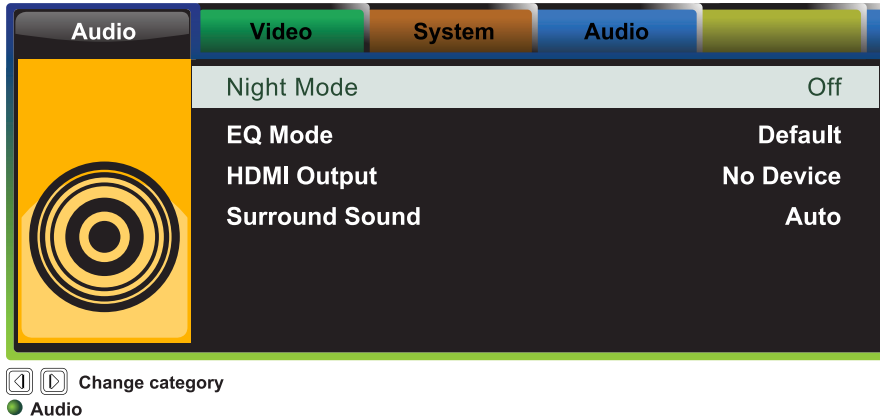


◀ ▶ Change category
● Video

FUNCTION		VALUE
Aspect Ratio	Adjusts the video format of the images	Pan Scan 4:3 / Letter Box 4:3 / 16:9 / 16:10
TV System	Selects the video format	720p 50&60Hz / 1080i 50&60Hz 1080P 50&60Hz / NTSC / PAL / 480P / 576P
Scale Video Output to 90%	Sets up the scale of the video	Off / On
1080P 24Hz	Selects the low frequency video	Off / On

MEDIA PLAYER CONTROL

Setup - Audio



When you select **Setup** on the entry menu of Media play:

1. Press the **ENTER** button and then press ◀ / ▶ buttons to select between Video / Audio / System setup.
2. Select **Audio** and then press ▲ / ▼ buttons to select the parameters to adjust.
3. Press the **ENTER** button again to select and adjust the details.
4. Press the **EXIT** button to return to the **Media OSD MENU**

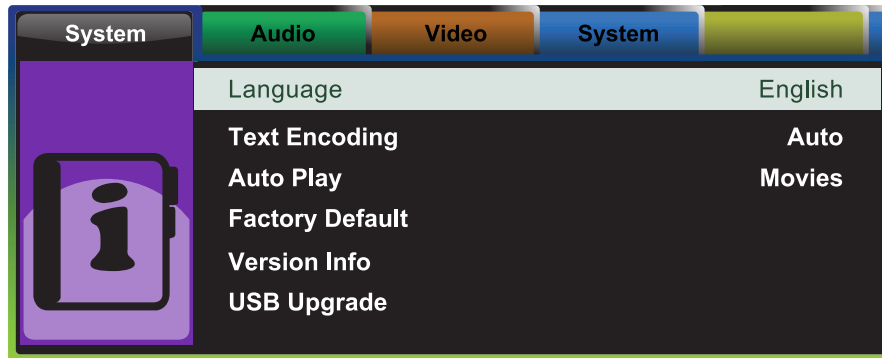
FUNCTION		VALUE
Night Mode	Plays music at a lower volume	Off / On / Comfort
EQ Mode	Selects different EQ settings	Default / Pop / Live / Club / Rock / Bass / Treble Vocal / Powerful / Dance / Soft / Party / Classical
HDMI Output	Selects the output format of HDMI	HDMI LPCM, HDMI RAW, HDMI Auto
Surround Sound	Selects the surround mode	Auto / 5.1 CH / HD Audio

MEDIA PLAYER CONTROL

Setup - System



Setup



◀ ▶ Change category
● System

When you select **Setup** on the entry menu of Media play:

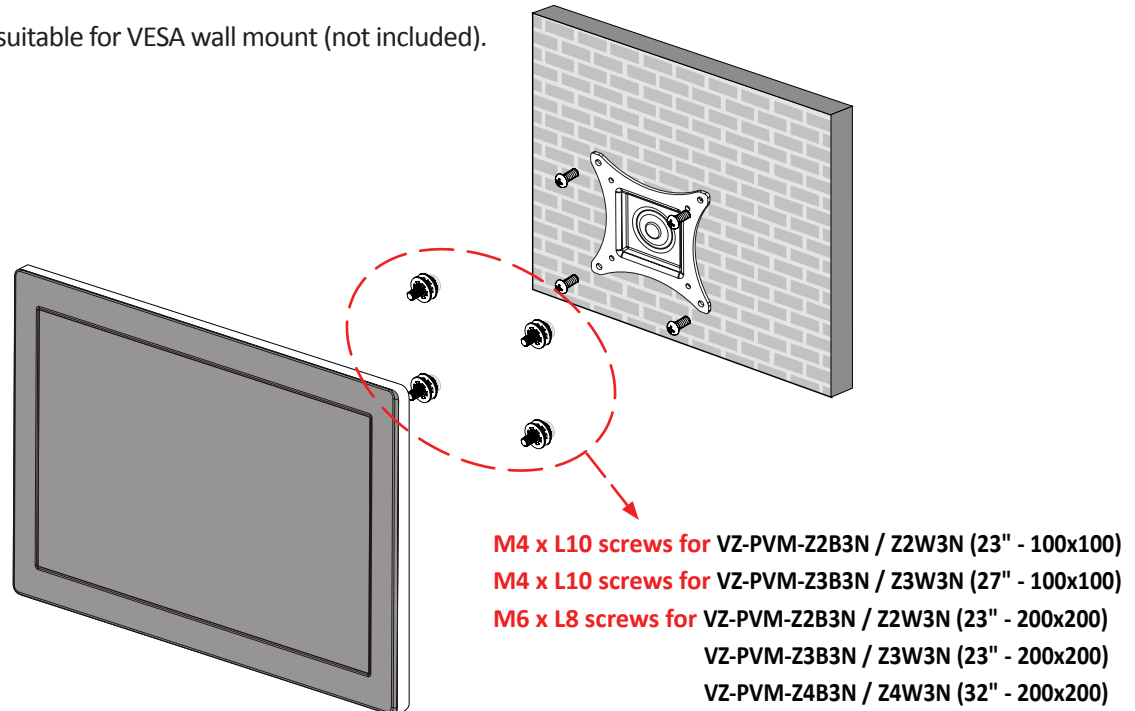
1. Press the **ENTER** button and then press ◀ / ▶ buttons to select the Video / Audio / System setup.
2. Select **System** and then press ▲ / ▼ button to select the parameters to adjust.
3. Press the **ENTER** button again to select and adjust the details.
4. Press the **EXIT** button to return to the **Media OSD MENU**

FUNCTION		VALUE
Language	Selects the language of the OSD menu	English / Chinese / Japanese / Espanol French / Deutsch / Italian / Korean Greek / Portuguese
Text Encoding	Selects the language of encoding the text	Unicode(UTF8) / Western / Central European Greek / Cyrillic / Turkish / SE European Japanese (S-JIS) / Korean (EUC-KR) / Chinese
Auto Play	Selects an auto play file-type	Off / Movies / Photos / Music
Factory Default	Returns all settings back to factory default	Yes / No
Version Info	Shows the current media card version info	VER: Media Box 3.60.000091U
USB Upgrade	Selects USB to upgrade the firmware	Yes / No

MOUNTING GUIDE

Wall Mounting (Optional)

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



1. VZ-PVM-Z2B3N/Z2W3N : VESA WALL MOUNT 100mm x 100mm, 200mm x 200mm
2. VZ-PVM-Z3B3N/Z3W3N : VESA WALL MOUNT 100mm x 100mm, 200mm x 200mm
3. VZ-PVM-Z4B3N/Z4W3N : VESA WALL MOUNT 200mm x 200mm

! Attention!

VZ-PVM-Z2B3N/Z2W3N (100x100) : You must use 4 * M4 x L10 screws to assemble this monitor and the wall mount bracket.

VZ-PVM-Z3B3N/Z3W3N (100x100) : You must use 4 * M4 x L10 screws to assemble this monitor and the wall mount bracket.

VZ-PVM-Z2B3N/Z2W3N(200x200), VZ-PVM-Z3B3N/Z3W3N (200x200), VZ-PVM-Z4B3N/Z4W3N (200x200) : 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-Z2B3N/Z2W3N, VZ-PVM-Z3B3N/Z3W3N

M6 x L8 mm for 200 x 200 - VZ-PVM-Z2B3N/Z2W3N, VZ-PVM-Z3B3N/Z3W3N, VZ-PVM-Z4B3N/Z4W3N 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-Z2B3N/Z2W3N	VZ-PVM-Z3B3N/Z3W3N	VZ-PVM-Z4B3N/Z4W3N
Size & Type		23.6"	27"	32"
LCD	Panel Type	23.6" LED Backlit Monitor	27" LED Backlit Monitor	32" LED Backlit Monitor
	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
	Brightness	250 cd/m ²	300 cd/m ²	250 cd/m ²
	Contrast Ratio	3000 : 1(Typ.)	3000 : 1(Typ.)	4000 : 1(Typ.)
	Viewing Angle	R/L : 89° / 89° U/D : 89° / 89°		
	Display Color	16.7 Million Colors		
	Response Time	< 20 ms	< 12 ms	< 6.5 ms
	Resolution	1920 (H) x 1080 (V)		
	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	
Case Type		Metal		
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	Net : 28.66 lb / 13.0 kg	Net : 33.06 lb / 15.0 kg
		Gross : 29.76 lb / 13.5 kg	Gross : 33.06 lb / 15.0 kg	Gross : 39.68 lb / 18.0 kg
INTERFACE		COMPOSITE VIDEO, HDMI (High Definition Multimedia Interface) , VGA (RGB-PC) CAMERA OUT (CVBS), Audio In / Out		
Safety & EMC Certification		CE / FCC / ROHS		
Electrical Ratings	AC IN	AC 110-240V, 50/60Hz		
	DC 24V IN	24V \equiv 2.0A	24V \equiv 3.0A	24V \equiv 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 HD Camera Module
Main Chipset	Sensor	1/2.8 CMOS MN34227
Lens	Lens Type	Vari-Focal / F1.3 Fixed Iris with ICR
	Focal Length of the Lens	2.7 ~ 12mm
Camera	Resolution	1920 (W) x 1080(H) @30Hz CVBS (960H) / 1.0 Vp-p Composite (75Ω)
	Video System	NTSC / PAL
	Minimum illumination	Color: 0.01Lux / B&W: 0.5Lux / Color: DSS:0.017 Lux / BW DSS:0.0008 Lux
	Day & Night Mode	External switch AUTO / Color / Black & White mode (OSD)
	Electronic Shutter Speed (AES)	AUTO 1/50 (1/60) sec to 1/100,000 sec
	Auto Gain Control (AGC)	Support
	White Balance (AWB)	Support
	Digital Wide Dynamic Range	Support
	BLC / HSBLC	Support
	Motion	Support (4 Areas)
	Privacy Mask	Support (8 Areas)
	Signal to Noise (S/N)	≥ 80 dB
	2D/3DNR	Support (Low / Middle / High)
External interface	CVBS Output (960H)	Support
	Reset Button	Support

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	<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">- Check your video source- Reset video source : connection, cable replacement, setting & more
Flickering and shadow image	<ul style="list-style-type: none">- Check your input source setting for resolution and phase (Hz)
The audio function is not working	<ul style="list-style-type: none">- Check the volume and make sure MUTE is not on- Check HDMI / Audio port cable connection
LED is flickering or no image	<ul style="list-style-type: none">- 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.

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 may 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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