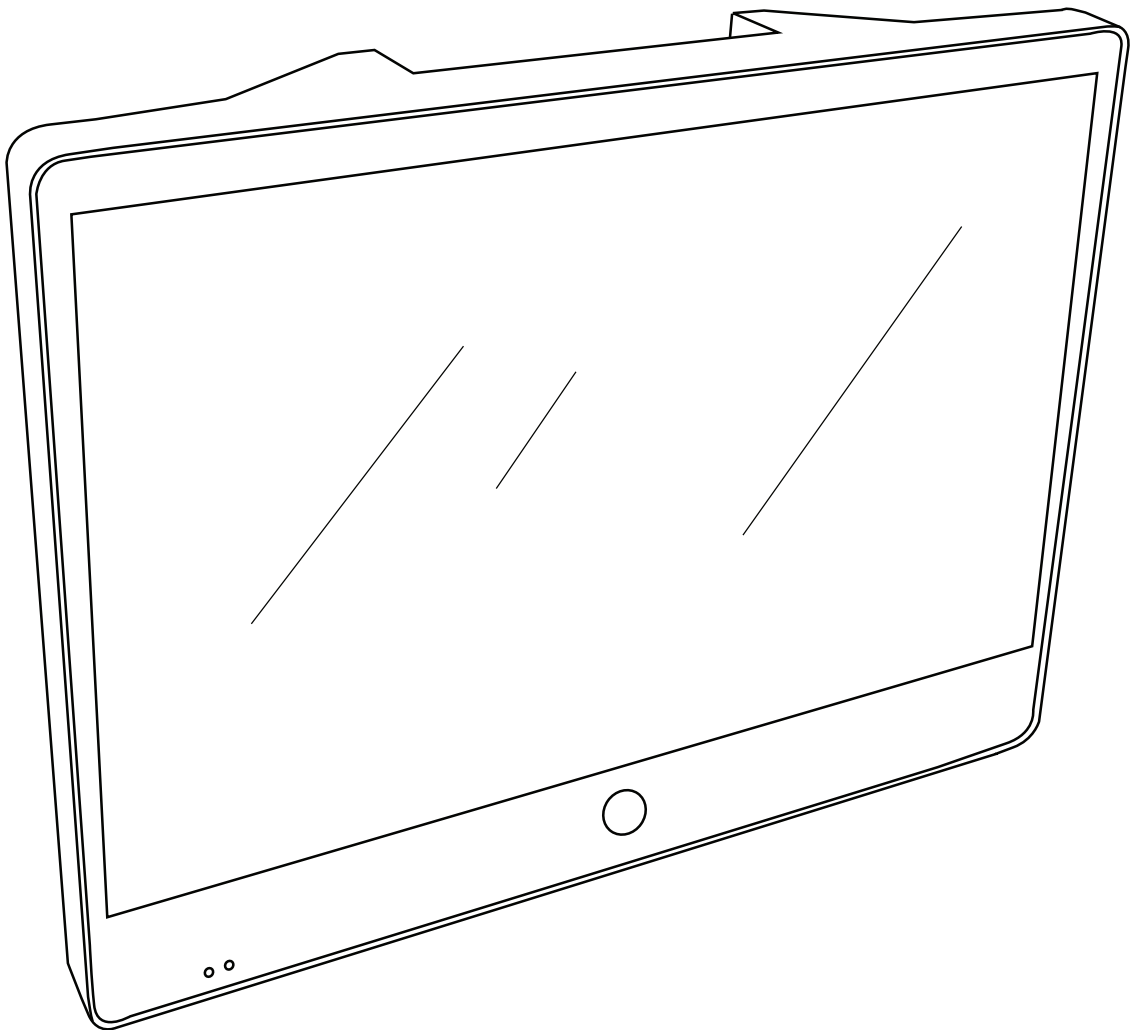


clintonelectronics


Public View Monitor User Manual CE-M19S • CE-M26S • CE-M32S



Clinton Electronics Corp. 6701 Clinton Road. Loves Park, IL 61111

Sales: 1-800-447-3306 Support: 1-800-549-6393 www.clintonelectronics.com

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.


PORTABLE CART WARNING
S3125A
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

The PVM requires periodic inspection.

Contact an authorized technician to carry out the inspection.



Stop using your PVM if you find it malfunctioning.

If the camera emits smoke or is unusually hot for a long period, a fire may be caused.



Do not install the PVM on a surface that can not support it.

If the PVM is installed on an inappropriate surface, it may fall and cause injury.



Do not hold plug with wet hands.

It could cause an electric shock.



Do not disassemble the PVM.

It may result in an electric shock or other hazards.



Do not use the PVM close to a gas or oil leak.

It may result in a fire or other hazards.



Do not touch the front lens of the camera.

This is one of the most important parts of the camera. Be careful not to leave fingerprints on the lens cover.



Do not install the PVM in extreme temperature conditions.

Only use the PVM under conditions when temperatures are between -20°F ~ 122°F. Be especially careful to provide ventilation when operating under high temperatures.



Do not install the PVM under unstable lighting conditions.

Severe lighting change or flicker can cause the camera to work improperly.



Do not drop the PVM or subject it to physical shocks.

It can damage the housing, compromising weather resistance.



Do not expose the PVM to radioactivity.

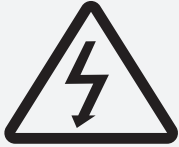
If exposed to radioactivity the CCD will fail.



Never keep the camera pointed directly at strong light.

It can damage the CCD.



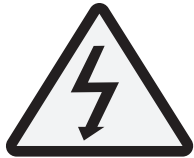


CAUTION



RISK OF ELECTRIC SHOCK, DO NOT DISASSEMBLE

TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT DISASSEMBLE
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with an arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

In USA and Canada, Use Class 2 Power Supply Only

INFORMATION: This equipment has been tested and found to comply with 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.

DISCLAIMER: Clinton Electronics reserves the right to change the contents of this manual without prior notice.

WARNING: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

CAUTION: To prevent electric shock and risk of fire hazards:

- ◆ Do NOT use power sources other than that specified.
- ◆ Do NOT expose the inside of this appliance to rain or moisture.

This installation should be made by a qualified service person
and should conform to all local codes.

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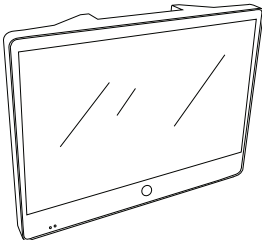

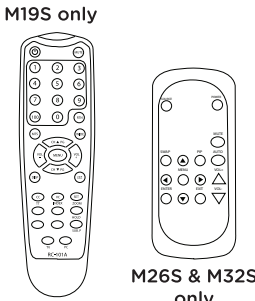
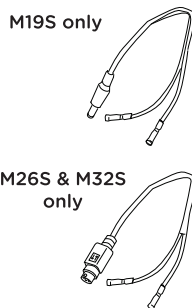
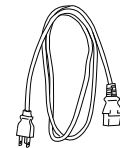

INTRODUCTION

Congratulations on the purchase of your new Public View Integrated Camera Security display. This display and camera combination is designed for simple and effective loss prevention by making the viewer aware of video surveillance measures.

Features:

- Rugged Steel Enclosure
- Motion Detection
- Low Voltage power
- Integrated Wide Dynamic Range Camera
- VESA 75 & VESA 100 mounting patterns for ceiling or wall mount options
- Remote control operation of all screen adjustment features
- Wide viewing angles
- Video Output

PACKAGE CONTENTS

					
<p>CE-M19S, CE-M26S, or CE-M32S with access door</p>	<p>2GB SD-Card (for media) Extra Case Screws (2)</p>	<p>Remote Control (batteries included)</p>	<p>Power Pigtail (for Hardwiring)</p>	<p>110VAC Plug</p>	<p>User Manual</p>

INSTALLATION & SETUP

Unpacking your display

Your Public View display comes with all of the items shown above. Carefully remove the display from its packing and set the unit on a firm surface. Save the packing in case of future service requirements.

Installation of the display

The display should be located where it will have the most effect on deterring potential shoplifting. Keep in mind the lighting conditions, viewing area, ease of installation, and distance from the power supply when choosing a location. The display is compatible with many available wall and ceiling mounts, consult your dealer for suggestions. The rear of the display has a VESA 75mm & 100mm mounting patterns that accepts M4x8mm screws. Please refer to the installation instructions on the particular mounting bracket and details of how to install.

Connecting the display

This display requires a 24V DC power supply. Locate the applicable AC to DC power supply in a suitable location where there is a power source, and access to run the low voltage cable to the display. (NOTE: The M32S is also equipped with an alternate 110VAC power supply capability. You can power the M32S using either power source. **DO NOT use 24VDC and 110VAC simultaneously.** This may result in damage to the device.)

For single unit power supplies, you will need to keep the distance from the power supply to the display less than 75 ft. For multiple unit power supplies, the power supply can be located at further distances from the displays at a central location. Please refer to the specific power supply installation instructions for recommended wire size and distances.

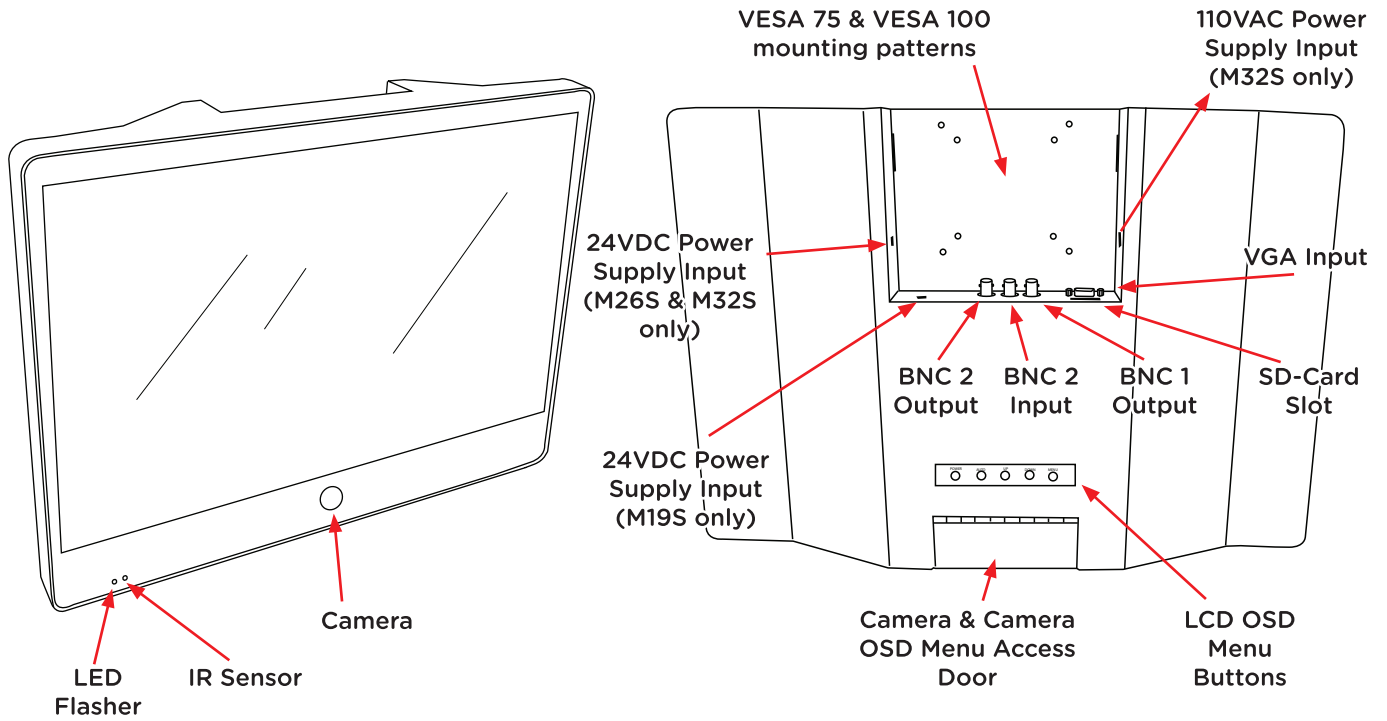


CAUTION

Do not connect the power connector to the display when energized, doing so may damage the electronics inside the display. Connect power supply to unit, then to 120v wall outlet.

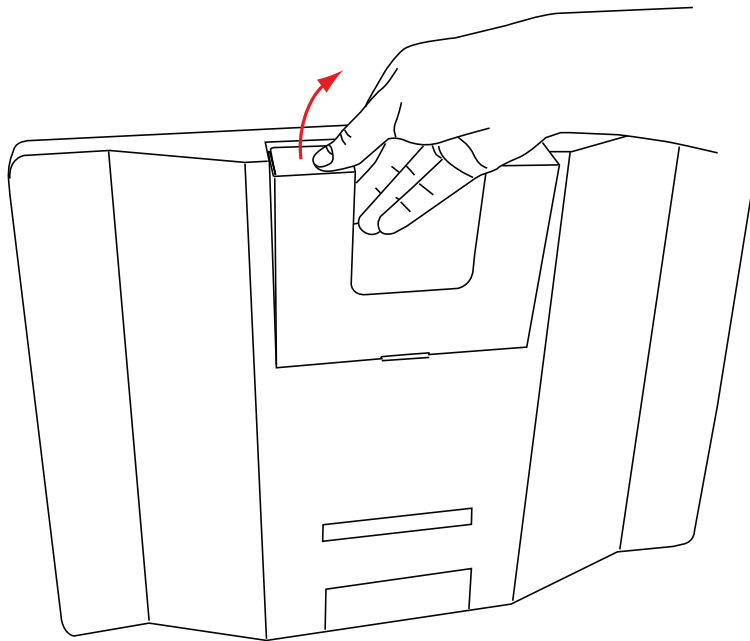
DISPLAY FUNCTIONS

Features



Control Access

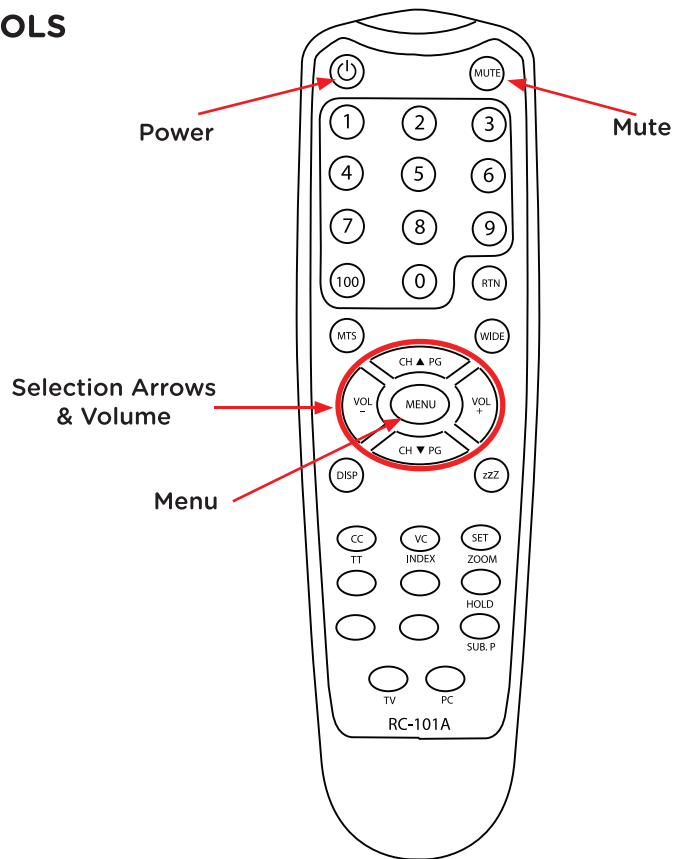
The access door for the video and power connections is located at the back of the unit and can be removed by pulling upward and outward from the device.



M19S REMOTE CONTROL

The parameters of the display can be adjusted by using the included remote control or the buttons on the backside of the Public View Monitor..

LCD CONTROLS



*NOTE: All other buttons not described are non-functioning on this device.

Power - On/Off function. This will power off the display only. The internal camera can still supply video to an external display or DVR.

Mute -Disables the audio on the unit.

Volume - When not in the OSD menu, you can press VOL- to lower the volume and VOL+ to raise the volume of the chime or SD-Card audio..

Menu - Adjustment of audio, video, signal, tools, & language.

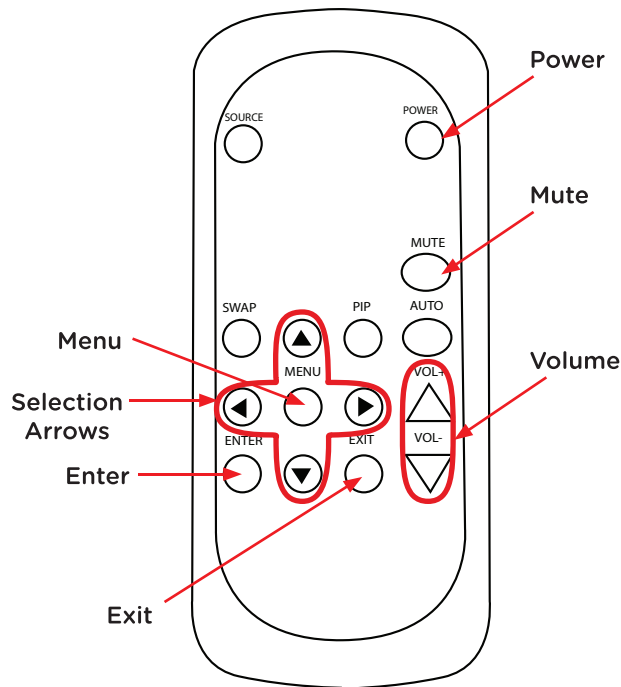
- Push MENU button once.
- Use arrow buttons located around the MENU button to pick category.
- When correct category is selected, press VOL- or VOL+ buttons to adjust given parameter of the display.
- When adjustment of selected parameter is done, press MENU to go back to the previous screen, or simply wait for the menu screen to time out.

Selection Arrows - Use to navigate through menus and settings.

M26S & M32S REMOTE CONTROL

The parameters of the display can be adjusted by using the included remote control or the buttons on the backside of the Public View Monitor..

LCD CONTROLS



*NOTE: All other buttons not described are non-functioning on this device.

Power - On/Off function. This will power off the display only. The internal camera can still supply video to an external display or DVR.

Mute -Disables the audio on the unit.

Volume - Press VOL- to lower the volume and VOL+ to raise the volume of the chime or SD-Card audio.

Selection Arrows - Use to navigate through menus and settings.

Enter - Use to enter a selection.

Exit - Use to back out of menus.

Menu - To adjust video, signal, tools, language use up & down buttons.

- Push MENU button.
- Use UP or DOWN arrow buttons to pick category.
- When category is selected, press ENTER button to enter function.
- Use arrow buttons located around the menu button to select and adjust parameter.
- When adjustment of selected parameter is done, press EXIT to go back to the previous screen, or simply wait for the menu screen to time out.

DISPLAY SETUP

Video Menu:

The display should be pre-set for most installations, however if some adjustment is necessary, we suggest you follow these recommendations by pressing the MENU button on the remote control:



1. First adjust the BRIGHTNESS control to set the black level so that the images are at their brightest while the black images are still black. Do not adjust too high where the black portions of the image become gray or the image will have a “washed out” appearance.

2. Set the CONTRAST control to set the white level so that the images are at their brightest without losing definition in the white portions of the image.

3. Adjust the COLOR control to achieve a realistic image of the items within the viewing area.

4. Adjust the TINT control if the image has bluish or reddish tint to the white portions of the image.

5. Decrease the SHARPNESS if the image appears too grainy or pixelated. Increase the SHARPNESS if the image appears too soft.

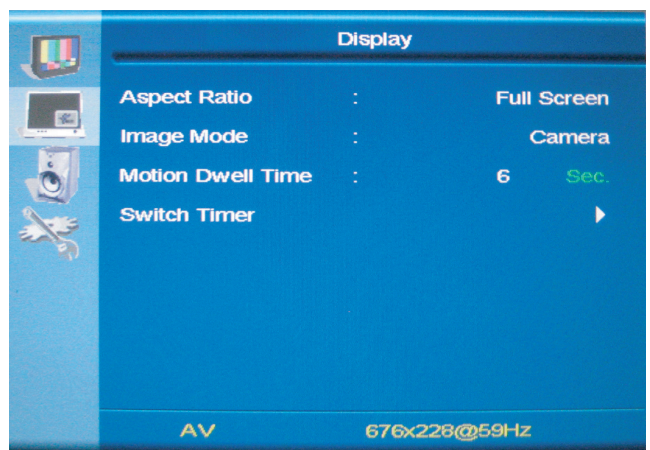
6. In the ADVANCED menu, more adjustments can be made as necessary.

Display Menu:

1. In the ASPECT RATIO menu you can select from various screen aspect ratios. The default setting for proper operation is Cinemascope.

2. In the IMAGE MODE setting, you can select from one of the following:

- **Motion:** Displays SD-Card content, switching to camera image upon motion sensing.
- **SD-Video:** Displays SD-Card content only.
- **Camera:** Displays camera image only.
- **BNC2:** Displays BNC2 source image only.
- **Switch:** Use in conjunction with the Switch Timer setting to cycle between multiple sources: Camera, BNC2, and/or SD-Card content.



***NOTE: If an SD-Card is not inserted, the display will show an SD-Card settings menu when SD-Card option is selected.**

DISPLAY SETUP

Display Menu Continued:

2. With MOTION DWELL TIME you can select the duration that the camera image will stay on screen when motion is occurring.

3. With SWITCH TIMER you can select the duration that each selected source will stay on screen.

Audio Menu:

1. The Audio Menu can be used to raise or lower the volume of the chime or SD-Card activated audio. **NOTE: The MUTE function on the remote control will disable the audio/chime sound.*

2. Select the audio source by selecting CHIME to enable the built in chime sound, or SD-AUDIO for the audio on the SD-Card to play.

System Settings Menu:

1. The LANGUAGE can be changed to one of the following: English, French, German, Spanish, Italian, Dutch, Greek, Swedish.

2. The SLEEP TIMER can be set from 1 to 90 minutes.

3. With OSD TIMER you can control the duration the menu is on screen

4. With OSD TRANSPARENCY you can adjust the transparency of the OSD menu.

5. The KEY LOCK function allows you to disable the buttons on the back of the device so you can only enter the menu and make adjustments with the remote control. A “Key Locked” message will appear on screen when a back panel button is pressed when Key Lock is activated.

6. In the SPECIAL CONTROL section you can set the following:

6a. MESSAGE On / Off -turns the message on the bottom of the screen on/off.

6b. MESSAGE - Select the on-screen message to read: “RECORDING IN PROGRESS” or “WELCOME.”

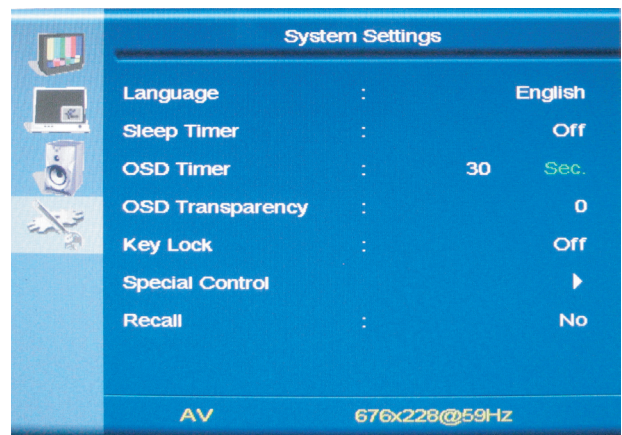
6c. FLASH -control the message to flash on and off, or be steady on.

6d. LED CONTROL-disable or enable the flashing LED on the front of the device.

6e. LED CTRL WITH PANEL - Use this feature in conjunction with the sleep timer. When this feature is ON and the device goes into sleep mode, the flashing LED will turn off with the LCD panel.

6f. IMAGE ORBIT - Periodically shifts the screen image to prevent image burn-in.

7. RECALL will reset the device to the factory presets.



SD-CARD FILES

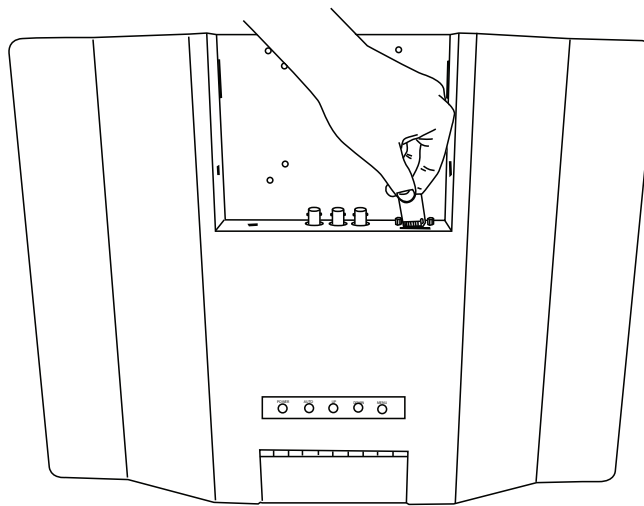
Change SD-Card Image/Video/Audio

1. Insert the SD-Card into your computer or SD-Card reader.

2. Move the desired JPEG image, or AVI video file into the SD-Card folder. The required full screen image size is 1024x786.

** Leaving multiple media files on the SD-Card will result in the device cycling through all loaded media.*

3. Eject the SD-Card from your computer. Insert the SD-Card into the PVM with the contacts facing out, as shown below. **DO NOT FORCE THE SD-CARD INTO THE SLOT.**



4. **WHEN SD-CARD IS INSERTED, YOU MUST POWER CYCLE THE UNIT.** You can do this by pushing the power button on the remote control, pressing the power button on the backside of the Public View Monitor, or by unplugging the power cord from the wall.

5. To change the viewing options of the SD-Card, access the DISPLAY MENU, then go to IMAGE MODE and select the desired setting. (Motion, SD-Video or Switch)

** If you choose to display SD-Card content, an SD-Card MUST be inserted, or you will see a "Settings" Menu.*



Notes

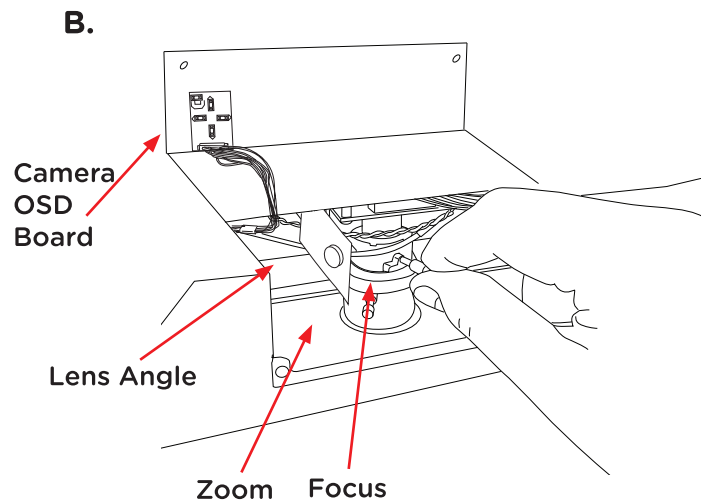
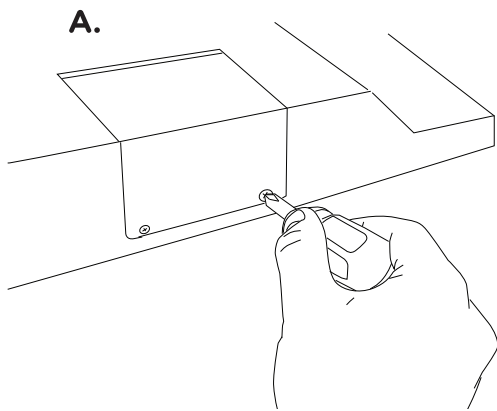
- When an SD-Card is inserted, you must power cycle the unit by pushing the power button on the remote, or unplugging the power from the wall.

ACCESSING THE CAMERA OSD BOARD

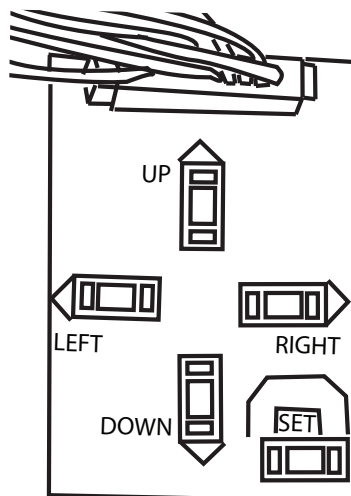
The access door to the camera and OSD Board is located at the bottom of the unit. A Phillips screwdriver is required to remove the two access panel screws (Fig. A), place the screws in a location where they will not be lost.

The OSD board is attached to the access panel for easy adjustment of the parameters of the camera while viewing the front of the screen (Fig. B).

The Zoom and Focus can be adjusted by loosening the two adjustment dials on the lens (Fig. B). When the desired Zoom and Focus settings are reached, finger tighten the dials; do not over tighten. The angle of the lens can also be vertically adjusted using the thumb screws on each side of the lens.



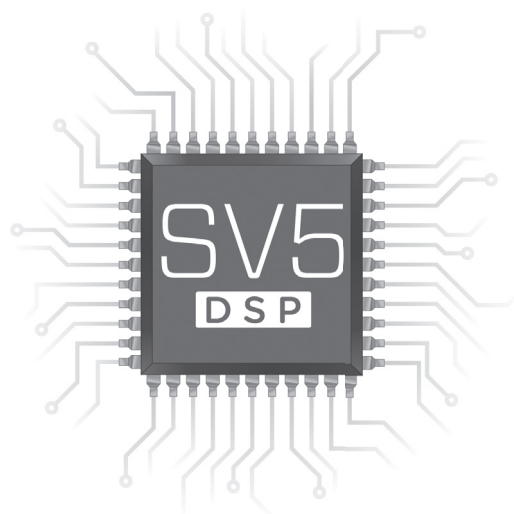
Settings can be made using the 5 button OSD Board located on the under side of the door.



OSD (ON SCREEN DISPLAY) MENU

Camera functions and settings can be adjusted or changed by activating the OSD menu. When the OSD menu is activated, text will display on the monitor. The user can then move the cursor to the desired function to change the setting.

LENS	• DC		
EXPOSURE	• BRIGHTNESS • SENS-UP	• SHUTTER	• AGC
SSDR	• OFF	• ON	
WHITE BALANCE	• ATW • MANUAL	• OUTDOOR • AWC→SET	• INDOOR
BACKLIGHT	• OFF • WDR	• BLC	• HLC
DNR3	• OFF	• ON	
DAY / NIGHT	• AUTO • EXTERN	• COLOR	• B/W
SPECIAL	• IMAGE ADJ. • INTELLIGENCE • PROFILE	• CAM TITLE • PRIVACY • COMM ADJ	• SYNC • DIS
EXIT	• SAVE	• NOT SAVE	• RESET



OSD MENU NAVIGATION

1. Press the SET button.

- Settings can only be changed when the OSD menu is displayed on the monitor.

Select the function using the UP or DOWN buttons.

MAIN SETUP	
▶1. LENS	DC ↵
2. EXPOSURE ↵	
3. SSSDR	OFF
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. DNR3	ON ↵
7. DAY/NIGHT	AUTO ↵
8. SPECIAL ↵	
9. EXIT	SAVE

When an arrow is present, press the SET button to enter the sub menu.

Change the setting using the LEFT or RIGHT buttons.

2. Scroll through menu items from the list available by using the UP and DOWN buttons.
3. Use the LEFT and RIGHT buttons to change a setting.
4. When finished, select 'EXIT' and press the SET button to save settings.



Notes

- An item with the ↵ icon also has sub menus. To select a sub menu, select an item with the icon and press the SET button.
- After approximately 4 minutes of no activity the OSD menu will disappear. Any settings that have been changed will be save automatically.

LENS

This function is used to adjust the brightness of the screen.

MAIN SETUP	
▶1. LENS	DC ↵
2. EXPOSURE ↵	
3. SDR	OFF
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. DNR3	ON ↵
7. DAY/NIGHT	AUTO ↵
8. SPECIAL ↵	
9. EXIT	SAVE

Press SET to choose from the sub menu items listed below.

- ▶ BRIGHTNESS : Adjust to achieve the optimum level of brightness
- ▶ IRIS SPEED : Adjusts the Iris control speed of the DC lens. If the control speed is too slow or fast, use this menu to adjust the speed.
- ▶ FOCUS ADJ. : Press SET to enter FOCUS ADJ. menu. Then to adjust the lens focus correctly, ensure “MODE” is set to ‘ON.’ After the lens focus has been adjusted, set “MODE” to ‘OFF.’

DC LENS	
1. BRIGHTNESS	* 25
2. IRIS SPEED	* 3
▶3. FOCUS ADJ ↵	
4. RETURN ↵	



Notes

- If color rolling occurs when using a DC lens, set Shutter to - - - .
- Some lenses may not work properly, depending on the setting of the BRIGHTNESS LEVEL.

EXPOSURE

This function allows for the control of the amount of light that enters the camera. Too much light results in a washed out image.

MAIN SETUP	
1. LENS	DC ↵
▶2. EXPOSURE ↵	
3. SDR	OFF
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. DNR3	ON ↵
7. DAY/NIGHT	AUTO ↵
8. SPECIAL ↵	
9. EXIT	SAVE

Press SET to choose from the sub menu items listed below.

- ▶ **BRIGHTNESS** : Adjusts the video brightness (selectable from 1 - 70).
- ▶ **SHUTTER** : Select either auto or manual shutter.
 - **ESC** : Select this to control the shutter speed automatically. If ESC is selected, the shutter speed is automatically controlled depending on the ambient illumination of the subject.
 - **MANUAL** : Shutter speed can be controlled manually. (1/60-1/120,000)
 - **A.FLK** : (Anti-Flicker) Select this when you experience picture flicker, which can happen when there is a clash with the frequency of the installed lighting.
 - **---** : Shutter speed is fixed at 1/60 sec.



Notes

- For effective license plate observation, it needs minimum illumination and fast shutter speed more than 1/200sec.
- When the SHUTTER is set to ESC, after selecting Internal Synchronization Type, the picture may become unstable if the camera faces a bright fluorescent light. Therefore, take care when choosing the installation position.
- When the SHUTTER is set to MANUAL or A.FLK mode, SENS-UP will be disabled.
- Set the shutter mode to - - - if color rolling occurs.

EXPOSURE

EXPOSURE SETUP	
▶1. BRIGHTNESS	■■■■■×■■■■■■■■ 25
2. SHUTTER	---
3. AGC	HIGH
4. SENS-UP	AUTO ↵
5. RETURN	↵

▶ AGC (AUTO GAIN CONTROL)

The higher the gain level, the brighter the screen, but the higher the noise.

- OFF : Deactivates the AGC function.
- LOW : Allows automatic gain control from 5.3dB~32dB.
- HIGH : Allows automatic gain control from 5.3dB~37dB.

▶ SENS-UP

During low light situations, the camera will automatically detect the light level and maintain a clear picture if this mode is activated.

- OFF : Deactivates the SENS-UP function.
- AUTO : Activates the SENS-UP function.

LIMIT	
▶AUTO	x16

Press SET to Return



Notes

- If you press the SET button in 'AUTO' mode, you can adjust the brightness by increasing or decreasing the shutter speed. (x2~x512)
- Note that the higher the level, the brighter the screen, but the more likely it is that an after-image will appear. Possible blurring of the image is normal with increased zoom while using SENS-UP.

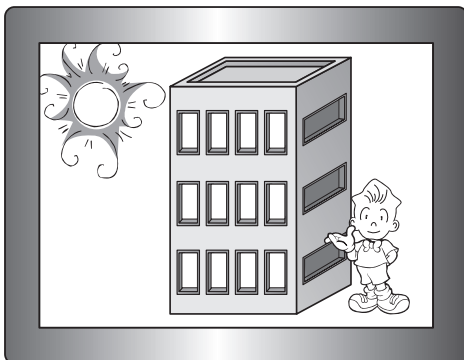
SSDR (SUPER DYNAMIC RANGE)

This function illuminates darker areas of an image while retaining the same light level for brighter areas to even out the overall brightness of images with high contrast between bright and dark areas.

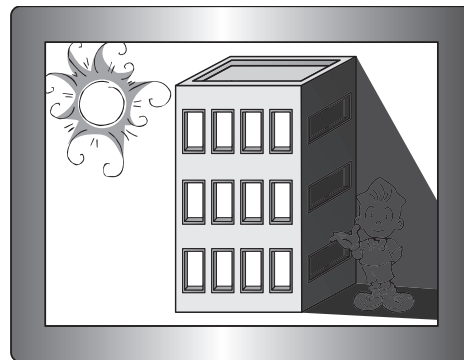
MAIN SETUP	
1. LENS	DC ↵
2. EXPOSURE ↵	
▶3. SSDR	ON ↵
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. DNR3	ON ↵
7. DAY/NIGHT	AUTO ↵
8. SPECIAL ↵	
9. EXIT	SAVE

Turn on by using the LEFT or RIGHT buttons and press SET to change the SSDR level in the sub menu according to the contrast between bright and dark areas.

SSDR SETUP	
▶1. LEVEL	× 8
Press SET to Return	



SSDR ON



SSDR OFF

WHITE BALANCE

This function allows the ability to adjust the color temperature.









MAIN SETUP	
1. LENS	DC ↵
2. EXPOSURE ↵	
3. SDR	OFF
▶ 4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. DNR3	ON ↵
7. DAY/NIGHT	AUTO ↵
8. SPECIAL ↵	
9. EXIT	SAVE

Select one of the 5 following modes using the LEFT or RIGHT buttons.

- ▶ **ATW** : Select this when the color temperature is between 1,700°K and 11,000°K.
- ▶ **OUTDOOR** : Select this when the color temperature is between 1,700°K and 11,000°K (sodium light inclusion). Select this when the color temperature of environment surrounding the subject is out of the control range. (ie. clear sky, or sunset).
- ▶ **INDOOR** : Select this when the color temperature is between 4,500°K and 8,500°K.
- ▶ **AWC→SET** : Select this to find the optimal luminance level for the current environment, point the camera towards a sheet of white paper and press the SET button.
- ▶ **MANUAL** : Select this to fine-tune White Balance manually. Set White Balance first by using the ATW or AWC mode. Then switch to MANUAL mode, fine-tune the White Balance and then press the SET button.

WB MANUAL	
▶ 1. RED GAIN	■■■■■■■■■■×■■■■ 270
2. BLUE GAIN	■■■■■■■■■■×■■■■ 235

WHITE BALANCE

9000-10000°K		Rainy	
6500-8000°K		Cloudy	
5000-6500°K		Partly Cloudy	
5000-5500°K		Sunny	
4000-5000°K		Fluorescent lamp	
3000-4000°K		Halogen lamp	
2500-3500°K		Tungsten lamp	
1000-2000°K		Candlelight	

Illumination is generally referred to as color temperature, which is represented in a measurement of kelvin (K).



Notes

- White Balance may not work properly under the following conditions. In this case select the AWC mode.

1. When the color temperature of the environment surrounding the subject is out of the control range (ie. clear sky or sunset).
2. When the ambient illumination of the subject is dim.
3. If the camera is directed towards a fluorescent light or is installed in a place where illumination changes dramatically, the White Balance operation may become unstable.

BACKLIGHT

This function is useful for adjusting areas of interest that appear too bright or too dark due to bright lighting conditions.

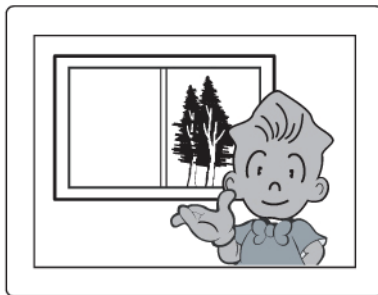
3. SSDR	OFF
4. WHITE BAL	ATW
▶ 5. BACKLIGHT	USER BLC ↕
6. DNR3	ON ↕
7. DAY/NIGHT	AUTO ↕

Select a desired mode using the LEFT or RIGHT buttons depending on the camera purpose.

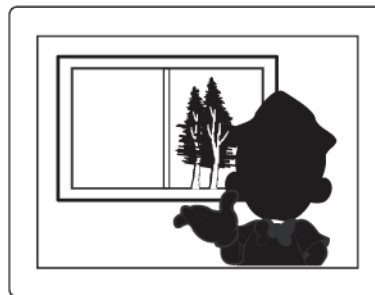
▶ **OFF** : Not being used

▶ **BLC (BACK LIGHT COMPENSATION)**

If you have an area with a bright light source behind the area of interest, this can cause images to appear as silhouettes. Use this feature to adjust the exposure of the entire image to properly expose the subject in the foreground.



BLC ON



BLC OFF

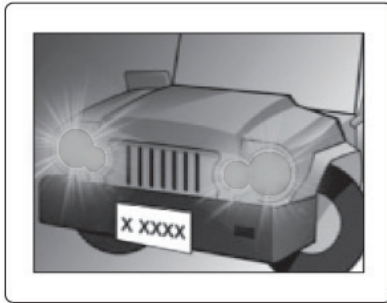
- **LEVEL** : Adjust Level of the BLC function.
- **TOP/BOTTOM/LEFT/RIGHT** : Adjust the area to be enhanced.

BLC SETUP	
▶ 1. LEVEL	MIDDLE
2. TOP	* 25
3. BOTTOM	* 90
4. LEFT	* 70
5. RIGHT	* 150
6. RETURN ↕	

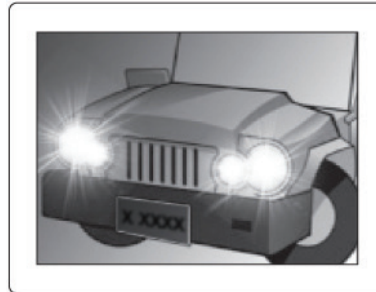
BACKLIGHT

► **HLC (HIGH LIGHT COMPENSATION)**

If the scene contains extremely bright light areas such as car headlights, the light can mask out much of the on-screen detail. Use the HLC feature to remove these bright lit areas to allow detail such as a car license plate number to become visible.



HLC ON



HLC OFF

- **LEVEL** : Adjust Level of the HLC function.
- **LIMIT** : Enable to change the operating condition.
- **MASK COLOR** : Change the color of the masking area. (Black, Red, Blue, Cyan, Magenta)
- **MASK TONE** : Adjust the brightness of the masking area.
- **TOP/BOTTOM/LEFT/RIGHT** : Adjust the area to be enhanced.

HLC SETUP	
► 1. LEVEL	MIDDLE
2. LIMIT	ALL DAY
3. MASK COLOR	BLACK
4. MASK TONE	* 5
5. TOP	* 10
6. BOTTOM	* 105
7. LEFT	* 10
8. RIGHT	* 210
9. RETURN	

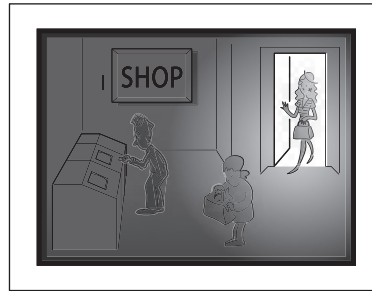
BACKLIGHT

► WDR (WIDE DYNAMIC RANGE)

WDR compensates for severe backlight problems more effectively than standard BLC. The camera delivers clear, high quality pictures even when the scene is strongly backlight; by increasing exposure in dark areas while decreasing it in bright areas, a corrected image with clear details results.



WDR ON



WDR OFF

- **LIMIT** : Adjust the sensitivity of the WDR by selecting LOW, MIDDLE, or HIGH.
- **LEVEL** : Adjust the brightness of the WDR.
- **MODE** : Choose INDOOR or OUTDOOR depending on backlight conditions.
- **ANTI ROLLING** : Turn 'ON' to help compensate for rolling caused by fluorescent lighting.



Notes

- Because there can be a difference in the effectiveness of HLC according to the amount of light area in the screen, optimize the installation angle for the best HLC performance.
- In NIGHT ONLY mode HLC is not active during the daylight or when bright lights are not present at night.
- Setting WDR to 'ON' will automatically set the shutter speed to fixed (- - -).
- The screen may become distorted if the WDR 'LIMIT' is adjusted too high.
- When the VPS mode is enabled, WDR is disabled.

DNR3 (DIGITAL NOISE REDUCTION)

This function reduces background image noise in a low light environment, improving visibility.

MAIN SETUP	
1. LENS	DC ↵
2. EXPOSURE ↵	
3. SDR	OFF
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
▶6. DNR3	ON ↵
7. DAY/NIGHT	AUTO ↵
8. SPECIAL ↵	
9. EXIT	SAVE

Select a desired mode using the LEFT and RIGHT buttons.

- ▶ OFF : Deactivates DNR3. Noise is not reduced.
- ▶ ON : Activates DNR3 so that noise is reduced.

Set the DNR3 mode to 'ON' and press the SET button. Then you can adjust the noise reduction level.

DNR3	
▶1. LEVEL	* 15
2. RETURN ↵	



Notes

- You cannot set the DNR3 to 'ON' or 'OFF' when the AGC mode of the EXPOSURE menu is 'OFF'.
- When adjusting the noise reduction level in DNR3 mode, remember that the higher the level is set, the greater the deduction in noise level, as well as the brightness of the image.

DAY/NIGHT

This function displays images in color or black and white. This function is helpful with cameras that are not equipped with IR (infrared) LEDs, allowing the camera to adapt to low light conditions.

2. EXPOSURE ↵	
3. SSSR	OFF
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. DNR3	ON ↵
▶7. DAY/NIGHT	AUTO ↵
8. SPECIAL ↵	
9. EXIT	SAVE

Select a desired mode using the LEFT or RIGHT buttons according to the picture display you want.

- ▶ **EXTERN** : This mode is used for cameras that have an external D/N filter, typically IR cameras.
- ▶ **COLOR** : The image is always displayed in color.
- ▶ **B/W** : The image is always displayed in black and white. You can turn on or off the burst signal on B/W mode.
- ▶ **AUTO** : The mode is switched to 'COLOR' in a normal environment, but switches to 'B/W' mode when ambient illumination is low. To setup the switching time for AUTO mode, press the SET button. You can turn on or off the burst signal on 'B/W' mode.
- **BURST MODE** : You can turn on or off the burst signal on B/W mode.
- **DURATION** : You can select the brightness level at which the camera switches from day to night mode.
- **DWELL TIME** : You can select the duration the camera changes from day to night mode and night to day.



Notes

- When using a Video Auto Iris Lens, if you set the lens level too low, automatic switching between COLOR and B/W may not occur.
- When AGC in the EXPOSURE menu is 'OFF', 'AUTO' mode can not be selected.

SPECIAL

This function includes features that allow you to change how the image appears on the screen, assigning a name for the camera, as well as adding privacy masks and the option to change the language displayed.

3. SSDR	OFF
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. DNR3	ON ↕
7. DAY/NIGHT	AUTO ↕
▶8. SPECIAL ↕	
9. EXIT	SAVE

Select a desired mode using the UP or DOWN buttons.

▶ IMAGE ADJ

SPECIAL	
▶1. IMAGE ADJ ↕	
2. CAM TITLE	OFF
3. SYNC	INT
4. INTELLIGENCE	OFF
5. PRIVACY	ON ↕
6. DIS	OFF

• MONITOR

Change the settings value of video that is appropriate to your monitor.

- LCD : Select this menu item when using a LCD monitor.
- CRT : Select this menu item when using a CRT monitor.
- USER : Use this menu item when using a monitor other than standard ones. You can change the gamma, PED level and color gain in sub menus.

IMAGE SETUP	
▶1. MONITOR	LCD ↕
2. REVERSE	OFF
3. PIP	OFF
4. D-ZOOM	OFF
5. FONT COLOR	BLUE
6. SHARPNESS	ON ↕

SPECIAL

► IMAGE ADJ continued...

• VPS (Virtual Progressive Scan)

VPS enhances the sharpness of moving subject's outline. The function effectively removes blurred outline problems resulting in excellent road monitoring and improved license plate recognition. This is appropriate to high quality recording and file transfer via the Internet.

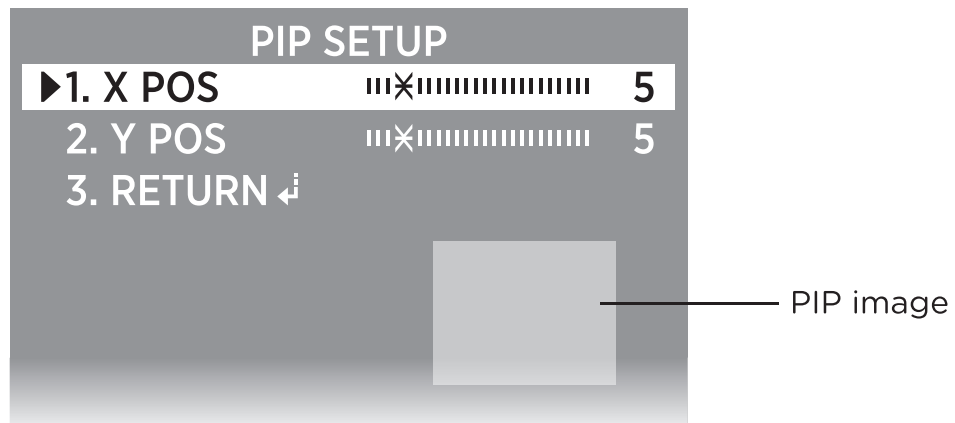
• REVERSE

You can reverse/flip the image from the camera on your monitor.

- OFF : Picture will not be reversed.
- H-REV : Horizontal flip.
- V-REV : Vertical flip.
- HV-REV : Both Horizontal and Vertical flip.

• PIP (Picture-In-Picture)

Displays a full size image along with the thumbnail to provide more detailed information. The position of the thumbnail is adjustable. Useful while the D-ZOOM function is enabled.



• D-ZOOM

Digital zoom. (x1~x16)

• FONT COLOR

Change the OSD font color. (Blue, White, Yellow, Green, Red)

• SHARPNESS

Increase or decrease the clarity of image.

• LANGUAGE

Select the menu language. (English, Español, Français, Português, Chinese, Japanese, Korean)



Notes

- When the REVERSE mode is enabled, the text on the screen will not flip.
- If you increase the SHARPNESS level too high, the picture may become distorted or noise may appear.

SPECIAL

► CAM TITLE

Use this feature if you want to quickly identify a given image by assigning a title that will display on screen.

SPECIAL	
1. IMAGE ADJ ↵	
► 2. CAM TITLE	ON ↵
3. SYNC	INT
4. INTELLIGENCE	OFF
5. PRIVACY	OFF
6. DIS	OFF
7. PROFILE	USER
8. COMM ADJ ↵	

1) Select CAM TITLE, then use the LEFT or RIGHT button to set it to 'ON' and then press the SET button.

2) Use the 4 direction buttons to move to a desired letter and select the letter by pressing the SET button. Repeat this to enter multiple letters. You can enter up to 15 letters.

3) Enter a title, move the cursor to 'POS' and press the SET button. The entered title appears on the screen. Select the position to display the title on the screen by using the 4 direction buttons and press the SET button.

4) When the position is determined, select 'END' and press the SET button to return to the SPECIAL menu.

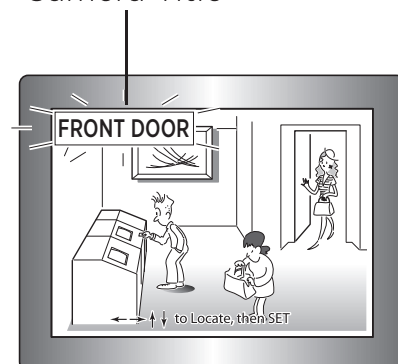
CAMERA TITLE SETUP

A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m
n o p q r s t u v w x y z
- . 0 1 2 3 4 5 6 7 8 9

← → CLR POS END

F FRONT_DOOR_____

Camera Title



SPECIAL

► CAM TITLE continued...



Notes

- When the CAM TITLE menu is 'OFF', no title will be displayed on the monitor even if you enter one.
- Regardless of the language selected, only English letters are available.
- If you move the cursor to CLR and press the SET button, all the letters are deleted. To edit a letter change the cursor to the bottom left arrow and press the SET button. Move the cursor over the letter to be edited, move the cursor to the letter to be inserted and then press the SET button.

► SYNC

In areas where the supply is at 60Hz, you can synchronize the output phase of multiple cameras using the power synchronization function (Line-Lock) without using a synchronization signal generator.

- **INT** : Internal Synchronization Type.
- **L/L** : Power Synchronization Type, Line-Lock. You can adjust the phase from 0 to 359 when you select L/L.



Notes

- When using AC power at 60Hz frequency, you can use the L/L type synchronization.
- When the power is DC 12V, the SYNC menu is automatically fixed to the 'INT' mode.

SPECIAL

► INTELLIGENCE (MOTION DETECTION)

Monitor activity more efficiently with this feature by means of an outlined box around moving objects.

SPECIAL	
1. IMAGE ADJ ↵	
2. CAM TITLE	OFF
3. SYNC	INT
► 4. INTELLIGENCE	ON ↵
5. PRIVACY	OFF
6. DIS	OFF
7. PROFILE	USER
8. COMM ADJ ↵	
9. RETURN ↵	

• MOTION

Select different motion types to detect.

- OFF : Not being used.
- DETECTION : The camera will automatically detect motion.
- TRACKING : The camera will detect and trace a moving object, helpful for video analytics.
 - › FENCE : Select up to 4 fences.
 - › MODE : Turn the selected fence 'ON' or 'OFF'.
 - › TYPE : Choose 'LINE' or 'AREA'.
 - › COUNT : Choose 'ON' to display the number of times a moving object passes through a fence area.
 - › FILL : Fill or remove color from the fence area.
 - › POSITION : Adjust the position and detection direction of the fence area.
- FIXED/MOVED : Detects an object that emerges or disappears from the screen, or stays on-screen with no movement.



Notes

- 'FIXED/MOVED' may not function properly if; multiple motions occur continuously in random directions, a fixed object moves in one position continuously, or if a second object screens the first moving object.

SPECIAL

► **MOTION continued...**

- **DETECT BOX** : Outlines an object on the screen in a box when movement matches a custom motion type.
- **ALARM OUT** : (if equipped) Releases a signal from the MD Output Terminal of the camera when an object's movements match a motion type.
- **DETECT AREA** : Defines the motion detection area with a box that is adjustable in size and position.

DETECT AREA		
►1. TOP	※	1
2. BOTTOM	※	50
3. LEFT	※	1
4. RIGHT	※	50
5. RETURN	↵	

- **MASK AREA** : Specify a detection exception area to mask. Select a mask area number and specify the size and position.
- AREA : Select up to 4 areas.

MASK AREA		
►1. AREA		AREA1
2. MODE		OFF
3. TOP	※	30
4. BOTTOM	※	110
5. LEFT	※	25
6. RIGHT	※	110
7. RETURN	↵	



Default positions of AREA 1-4

- **SENSITIVITY** : Set the sensitivity of the motion detection. The lower the level means the higher the sensitivity.
- **DETECT SIZE** : Selects an object size to detect on the screen. The higher the level means the larger the detection size.

SPECIAL

► PRIVACY

Mask an area you want to hide on the screen.

- **AREA** : Select up to 12 PRIVACY areas.
- **MODE** : Turn the selected area 'ON' or 'OFF'.
- **MASK COLOR** : Determines mask area color. (Green, Red, Blue, Black, White, Gray)
- **TRANSPARENCY** : Add or remove transparency from the masked area.
- **SEL POS** : Adjust the shape and position of the selected area.

PRIVACY AREA SETUP	
►1. AREA	AREA1
2. MODE	OFF
3. MASK COLOR	GREEN
4. TRANSPARENCY	OFF
5. SEL POS	L_TOP
6. X POS	※■■■■■■■■■■■■■■■■■■■■ 10
7. Y POS	※■■■■■■■■■■■■■■■■■■■■ 10
8. RETURN	↵



Default positions of AREA 1-12

! Notes

- The MASK COLOR you choose will be applied to all masks that are turned 'ON'. You can not have more than one color selected.
- If you flip the image, it also flips/reverses the masked areas.

► DIS (Digital Image Stabilizer)

This function mitigates any picture movement due to external factors such as wind or building vibration.

! Notes

- As the DIS function uses digital zoom, the camera's resolution will decrease.
- DIS doesn't operate when background illumination is low, or the object pattern is monochromatic, such as a white wall or gray sky.

SPECIAL

► PROFILE

Predefined settings for various conditions.

3. SYNC	INT
4. INTELLIGENCE	OFF
5. PRIVACY	ON ↓
6. DIS	OFF
► 7. PROFILE	USER
8. COMM ADJ ↓	
9. RETURN ↓	

- **BASIC** : Adjust the settings for the most commonly found environment.
- **DAY/NIGHT** : Optimizes settings for the respective day/night conditions.
- **BACKLIGHT** : Optimizes settings so you can distinguish the object from the background in a severe backlighting condition.
- **ITS** : This profile optimizes settings for traffic cameras. (Intelligent Traffic Systems)
- **INDOOR** : Adjusts the settings for regular indoor lighting conditions.
- **USER** : Automatically configures the camera to your custom settings.

	BASIC	DAY/NIGHT	BACKLIGHT	ITS	INDOOR	USER
SHUTTER	---	---	---	MANUAL	A.FLK	-
GAIN	HIGH	HIGH	HIGH	HIGH	HIGH	-
WHITE BAL	ATW	ATW	ATW	OUTDOOR	INDOOR	-
BACKLIGHT	OFF	OFF	USER BLC	OFF	OFF	-
DNR3	ON	ON	ON	ON	ON	-
DAY/NIGHT	AUTO	AUTO	AUTO	AUTO	AUTO	-



Notes

- Making any adjustments to the predefined settings (BASIC, DAY/NIGHT, BACKLIGHT, ITS, INDOOR) will automatically change the PROFILE to USER.

SPECIAL

► COMM ADJ (Communication Adjust)

This function sets up the camera communication status when controlling the camera through an external control device.

4. INTELLIGENCE	OFF
5. PRIVACY	OFF
6. DIS	OFF
7. PROFILE	USER
► 8. COMM ADJ ↵	
9. RETURN ↵	

- **CAM ID** : Determines the camera's identification number (between 0 and 255)
- **BAUD RATE** : Select 2400/4800/9600/19200/38400/57600 bps.
- **UART MODE** : Select NONE, EVEN or ODD for parity bits.
- **RET PKT** : Determines whether to send a command back to the controller device when a communication control command is sent to the camera.
- **DISP ID** : Display the camera identification number on the top left corner of the screen.
- **PROTOCOL** : SAMSUNG-T, SAMSUNG-E, PELCO-D, PELCO-P, BOSCH, HONEYWELL, VICON, PANASONIC, AD, GE.
- **COAX** : Enable or disable coaxial communication, and set the sensitivity.



Notes

- CAM ID is not the same as CAM TITLE that may or may not have been setup. CAM ID is used for communicating with the camera via DVR/RS485.
- RS485 communication is only available on select cameras.

EXIT

Once you have the desired settings made you can either save/not save the changes or reset the camera to the factory defaults if you need to start over.

- **SAVE** : Save the current settings and exit the OSD menu.
- **NOT SAVE** : Do not save the current settings and exit the OSD menu.
- **RESET** : Resets the camera settings to the factory defaults. Language and monitor settings are not saved.

TROUBLESHOOTING

If you have trouble operating your Public View Monitor, refer to the following table. If the guidelines do not enable you to solve the problem, contact Clinton Electronics Technical Support at 1-800-549-6393 or 815-633-1444.

Problem	Solution
<p>Nothing appears on the screen.</p>	<ul style="list-style-type: none"> • Check the power connection. • Check the video signal line connection. • Check the Image Mode of the monitor; Camera or BNC2. • Check the Brightness of Auto Iris lens. • Press the POWER button on your remote control or back of monitor. • Check to ensure the proper voltage is applied to the monitor. In the case of long runs or small wire size, there may be a significant voltage drop to the monitor resulting in insufficient voltage to properly power the display. Consult your power supply manual to determine if the voltage can be increased to compensate.
<p>The video image is not clear.</p>	<ul style="list-style-type: none"> • Check if the lens is clean. Clean the lens with a clean cloth. • Adjust the Zoom and/or Focus of the camera lens. • Adjust the contrast feature of the monitor. • Make sure that the screen is not exposed directly to a bright light. • Enter the OSD settings of the monitor with the remote control. Go to the 'SHARPNESS' setting and increase the value. <p><i>**NOTE: Pixelization in low light conditions is considered normal.</i></p>
<p>The screen is dark.</p>	<ul style="list-style-type: none"> • Adjust the contrast feature of the monitor. • If you have an intermediate device, set the 75Ω/Hi-z properly, and check the terminals. • Adjust the brightness level of the Auto Iris lens.
<p>There is a problem with the camera operation. The camera surface is too hot and black stripes appear on the screen.</p>	<ul style="list-style-type: none"> • Check if an appropriate power source to the camera complies with the manufacturer's standard requirement, or if the voltage keeps changing.

TROUBLESHOOTING

Problem	Solution
No Audio	<ul style="list-style-type: none"> • Make sure the MUTE function is not active. • Turn up the VOLUME. • If using the chime sound, make sure “Image Mode” is set to ‘Motion’. • If using SD-CARD audio, make sure it is a supported audio format.
The INTELLIGENCE function is not working.	<ul style="list-style-type: none"> • Check if ‘MOTION DETECTION’ mode is turned on. • Check if the MD LEVEL is too low. • Check the setting of the MD AREA.
Colors are not quite right.	<ul style="list-style-type: none"> • Check the WHITE BAL setting.
The screen is flickering.	<ul style="list-style-type: none"> • Check if the camera is facing directly into sunlight or fluorescent light. • Set the Exposure of the camera to ‘A.FLIK’.
L/L mode isn’t able to be selected.	<ul style="list-style-type: none"> • Have you connected your camera to DC power source? Connect it to AC power source.
COLOR (DAY/NIGHT) mode is not working.	<ul style="list-style-type: none"> • Check if the AGC menu is set to the OFF position.
SENS-UP function is not working.	<ul style="list-style-type: none"> • Check if the AGC menu is set to the OFF position. • Check the limit of SENS-UP AUTO mode.
The monitor shuts off after a while.	<ul style="list-style-type: none"> • The SLEEP TIMER may be activated. Enter the monitor’s OSD menu and set the SLEEP TIMER to ‘OFF’.

CONTACT INFO



CCTV Support
1-800-549-6393



Web
www.clintonelectronics.com



CCTV Sales
1-800-447-3306

clintonelectronics

Public View Monitor User Manual CE-M19 • CE-M26W-24 • CE-M32W



Make sure you read this manual before using the Public View Monitor.
Store this manual safely so that you can use it in the future.

Clinton Electronics Corp. 6701 Clinton Road. Loves Park, IL 61111

Sales: 1-800-447-3306 Support: 1-800-549-6393 www.clintonelectronics.com

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