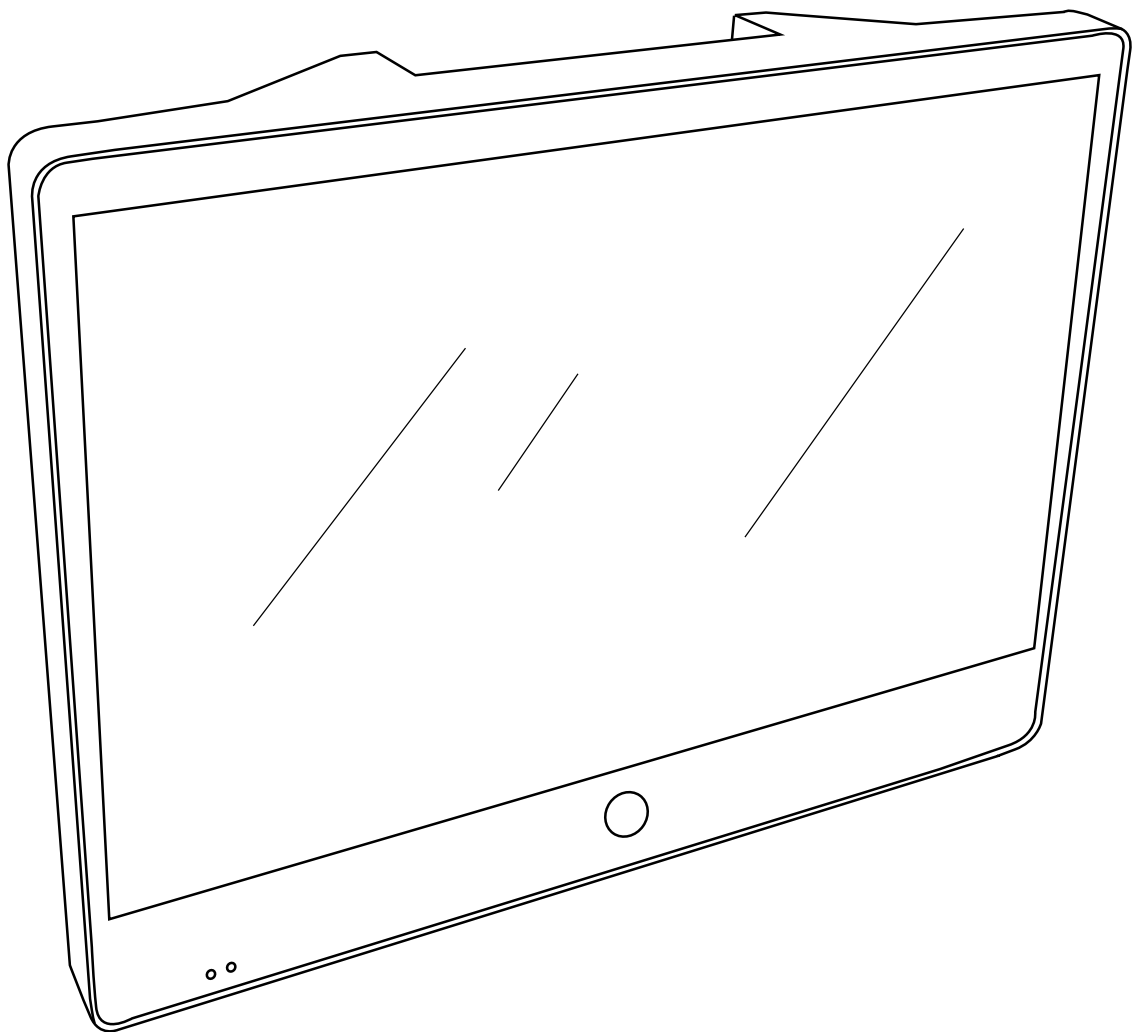# clintonelectronics

Public View Monitor User Manual
CE-M19S • CE-M27S • CE-M32S

Clinton Electronics   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.

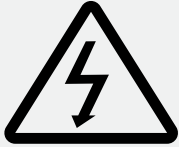### Do not expose the PVM to radioactivity.

If exposed to radioactivity the CCD will fail.

Never keep the camera pointed directly at strong light.
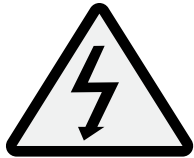
It can damage the CCD.

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.
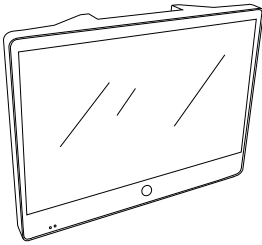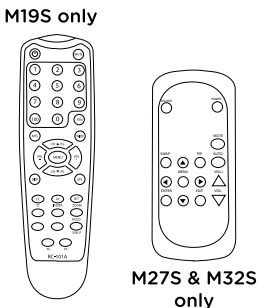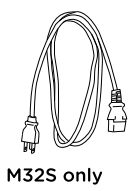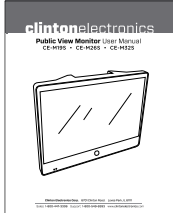
INTRODUCTION

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 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

CE-M19S, CE-M27S, or CE-M32S with access door	2GB SD-Card (for media) Extra Case Screws (2)	Remote Control (batteries included)	Power Pigtail (for Hardwiring)	110VAC Plug	User Manual

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.
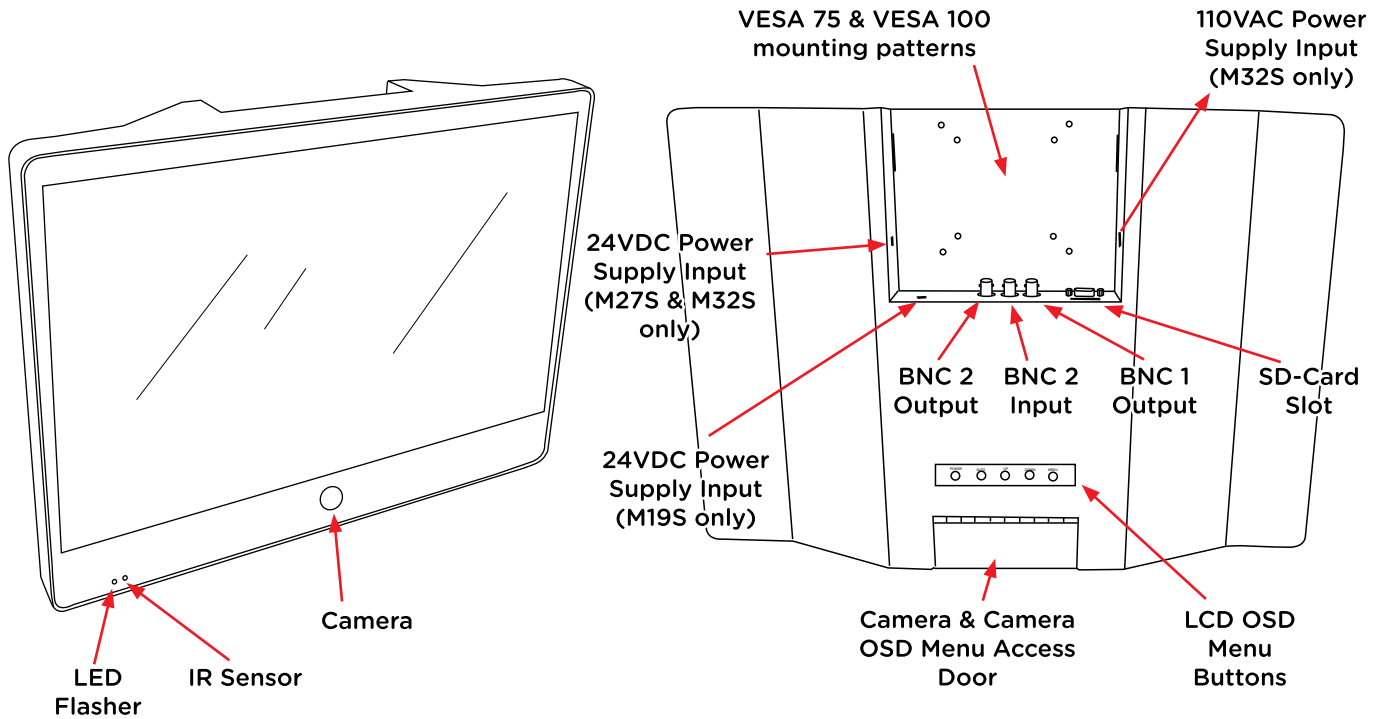
⚠️ **CAUTION**

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.

Features

VESA 75 & VESA 100 mounting patterns

110VAC Power Supply Input (M32S only)

24VDC Power Supply Input (M27S & M32S only)

BNC 2 Output

BNC 2 Input

BNC 1 Output

SD-Card Slot

24VDC Power Supply Input (M19S only)

Camera

LED Flasher

IR Sensor

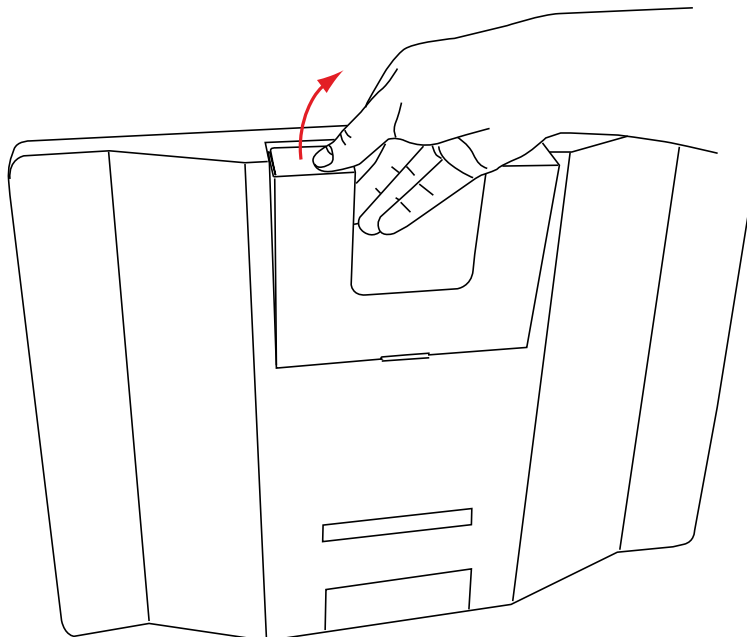Camera & Camera OSD Menu Access Door

LCD OSD Menu Buttons

⚠ Notes

• VGA style connection does not support video.

• VGA style connection is Service Port (firmware updates).
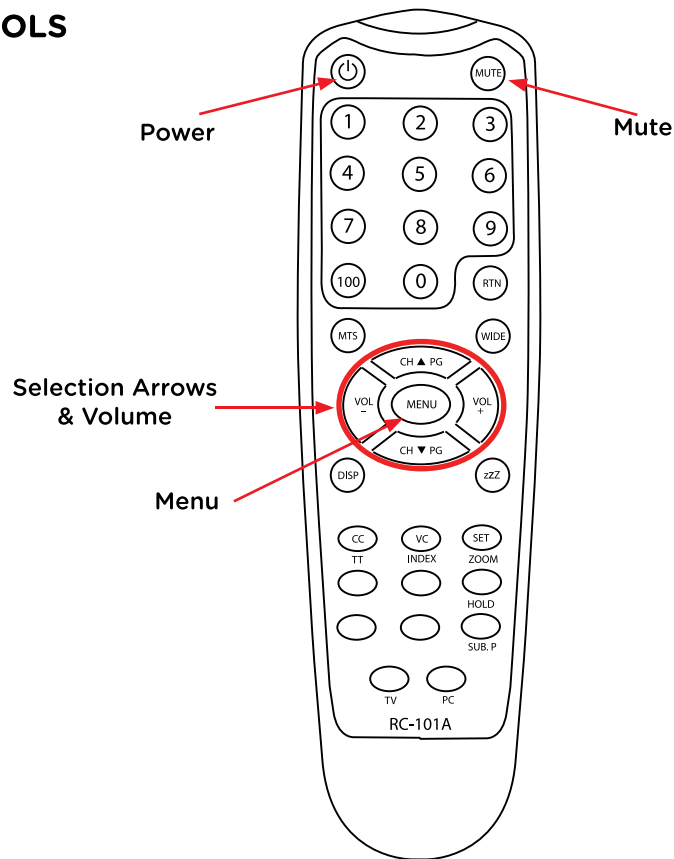
Control Access

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

Power

Mute

Selection Arrows & Volume

Menu

RC-101A

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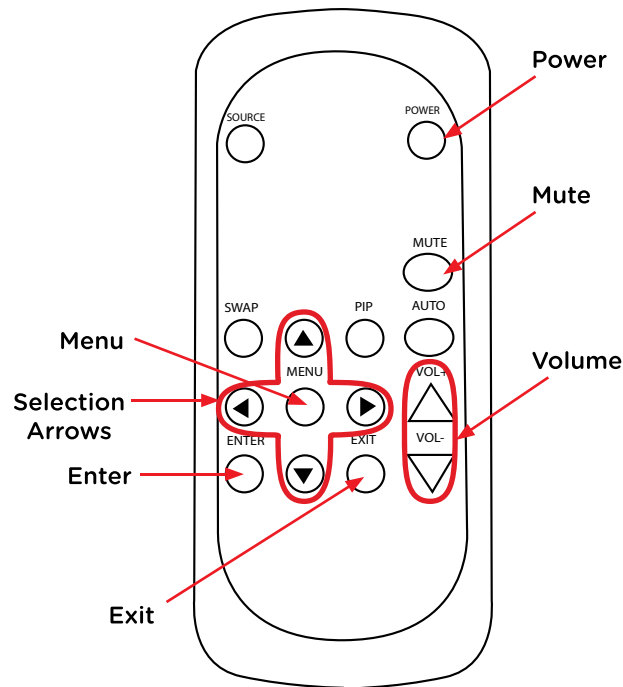- Use arrow buttons located around the MENU button to pick category.
- When correct category is selected, press VOL- or VOL+ buttons to adjust given parameter of the display.
- When adjustment of selected parameter is done, press MENU to go back to the previous screen, or simply wait for the menu screen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

Selection Arrows – Use to navigate through menus and settings.

M27S & 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

Power

Mute

Volume

SOURCE   POWER

MUTE

SWAP   PIP   AUTO

Menu

MENU   VOL+

Selection
Arrows

ENTER   EXIT   VOL-

Enter

Exit

*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.

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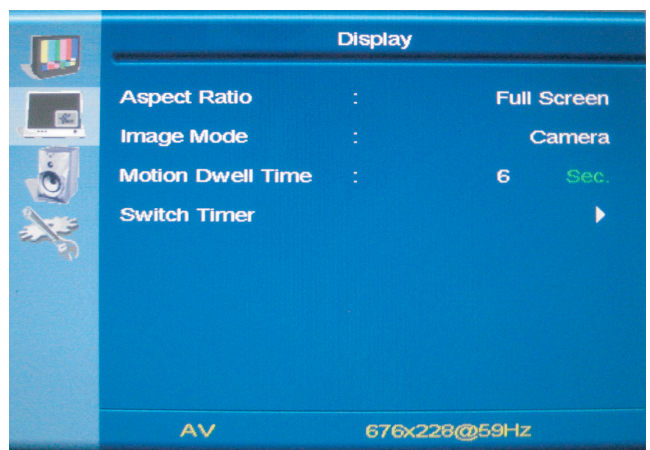
6. In the ADVANCED menu, more adjustments can be made as necessary.

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

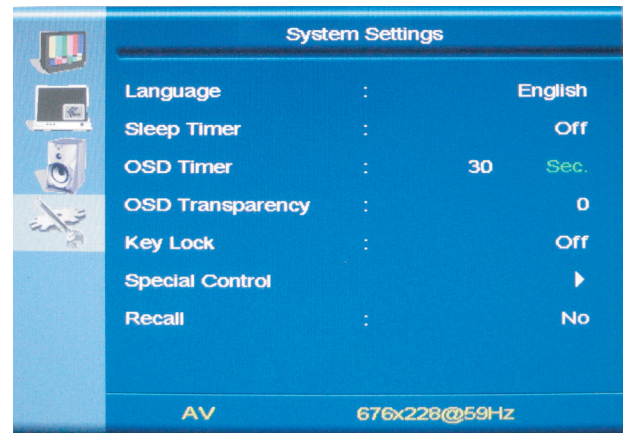## Display Menu Continued:

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.

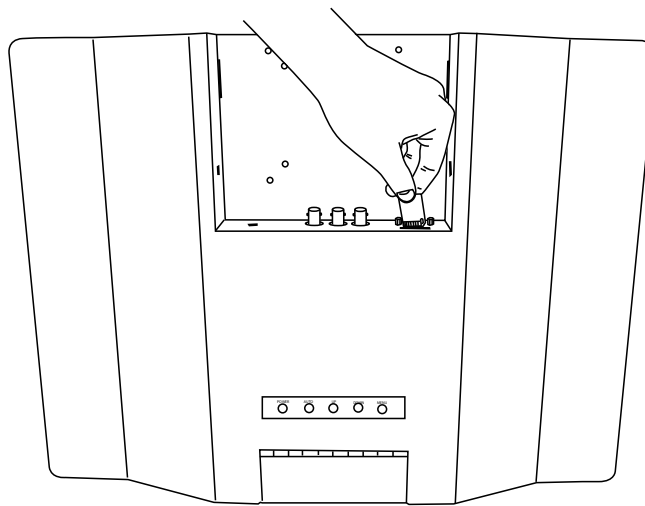**7.** RECALL will reset the device to the factory presets.

SD-CARD FILES

Change SD-Card Image/Video

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.
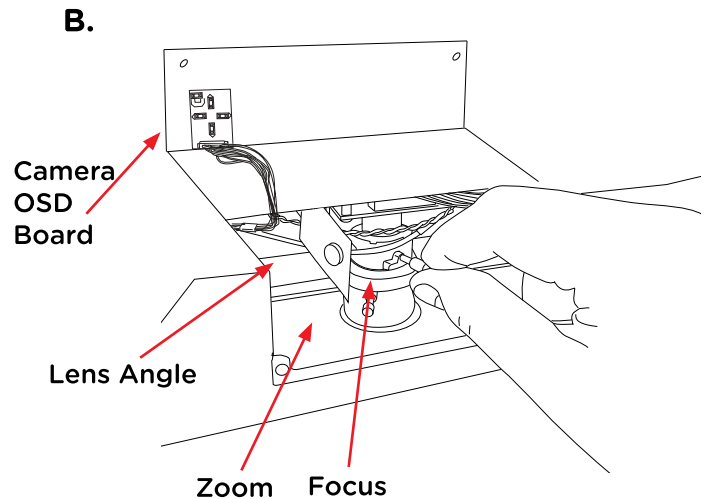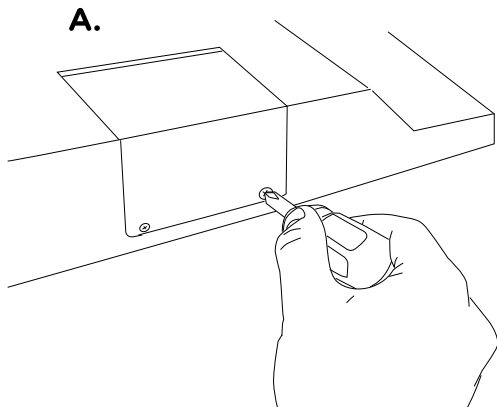
⚠ Notes

- 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.
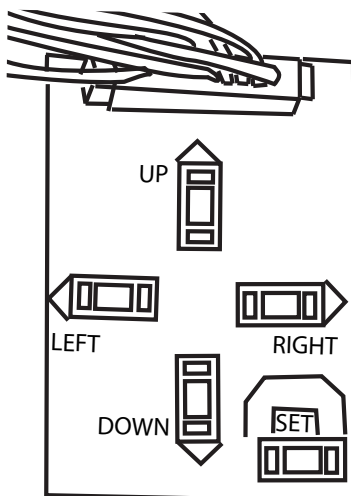
ACCESSING THE CAMERA OSD BOARD

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 off the lens.

A.

B.

Camera
OSD
Board

Lens Angle

Zoom   Focus

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

UP

LEFT   RIGHT

DOWN   SET

⚠ **Notes**

• Refer to included Camera OSD Manual for detailed instructions on adjusting camera settings.

9

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
Nothing appears on the screen.	• Check the power connection. • Check the Image Mode of the monitor; Camera or BNC2. • 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.
The video image is not clear.	• 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. ***NOTE: Pixelization in low light conditions is considered normal.*
The screen is dark.	• Adjust the contrast feature of the monitor. • If you have an intermediate device, set the 75Ω/Hi-z properly, and check the terminals.
No Audio	• 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.
Colors are not quite right.	• Check the Color setting (White Balance) of the monitor.

TROUBLESHOOTING

Problem	Solution
The screen is flickering.	• Check if the camera is facing directly into sunlight or fluorescent light.
The monitor shuts off after a while.	• 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

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