

clintonelectronics

Effio-V™

ON SCREEN DISPLAY User Manual

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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 apparatuses (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
- 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.



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.

The camera requires periodic inspection.

Contact an authorized technician to carry out the inspection.



Stop using your camera 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 camera on a surface that can not support it.

If the camera 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 camera.

It may result in an electric shock or other hazards.



Do not use the camera 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 camera in extreme temperature conditions.

Only use the camera 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 camera under unstable lighting conditions.

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



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

It can damage the housing, compromising weather resistance.



Do not expose the camera to radioactivity.

If exposed to radioactivity the CCD will fail.



Never keep the camera pointed directly at strong light.

It can damage the CCD.



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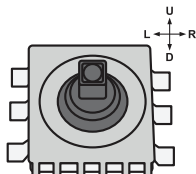
ON SCREEN DISPLAY MENU

Camera functions and settings can be adjusted or changed by activating the On Screen Display (OSD) menu. When the OSD menu is activated, settings will display on the monitor. The user can then move to the desired setting to change the make adjustments.

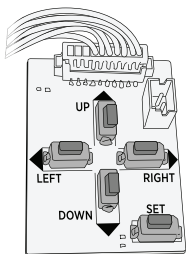
SCENE SELECT	• FULL AUTO • BACKLIGHT	• INDOOR • ITS	• OUTDOOR • CUSTOM
PICT ADJUST	• BRIGHTNESS • HUE	• CONTRAST • COLOR GAIN	• SHARPNESS
EZOOM	• MAG	• PAN	• TILT
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MOTION DET	• DETECT SENSE • MASK AREA	• INTERVAL • MONITOR AREA	• BLOCK DISP
SYS SETTING	• LENS • CAMERA ID	• FLIP	• LCD/CRT
LANGUAGE	• ENGLISH • PORTUGUESE • JAPANESE	• SPANISH • GERMAN	• RUSSIAN • FRENCH
MAINTENANCE	• W. PIX MASK	• CAMERA RESET	
EXIT	• SAVE	• NOT SAVE	• CANCEL

ACCESSING THE OSD

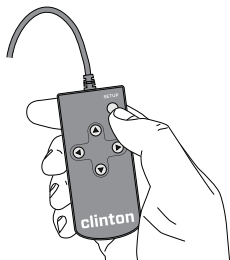
Camera settings can be adjusted using the built-in joystick, button pad, optional CE-REMOTE or the optional UTC (Up The Coax) REMOTE. UTC operation is not compatible with Public View Monitors (PVMs).



Joystick use: Press directly down on the joystick to activate the OSD menu.



Button pad use: Press the SET button to activate the OSD menu.



CE-REMOTE use: Plug the remote into port located on the camera. Press the SETUP button to activate the OSD menu.

*CE-REMOTE
(sold separately) not available for every
model.

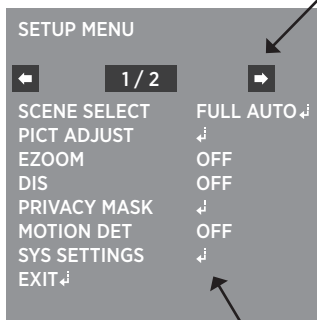
OSD MENU SETTINGS

The selected OSD menu item will be shown in blue. In this manual they will be shown highlighted with a grey box.

1. Press the joystick in or press the SET button.
 - Settings can only be changed when the OSD menu is displayed on the monitor.
2. Scroll through menu items from the list available by moving the joystick UP or DOWN.
3. Move the joystick LEFT or RIGHT to change a setting.
4. When finished, select 'EXIT' and press the SET button to save settings.

Select the desired function using the UP or DOWN buttons.

Change the setting using the LEFT or RIGHT buttons.



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

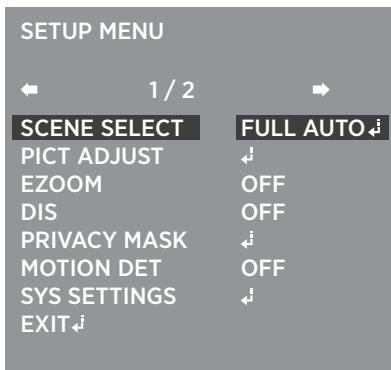


NOTICE

- 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.
- All menu items have a 'RETURN' option. With this function you have the option to go back to the previous menu screen.
- After 30 seconds of no activity the OSD Menu will disappear and settings that were adjusted will not be saved

SCENE SELECT

These options have been pre-configured at the factory for optimal performance. You can chose FULL AUTO, INDOOR, OUTDOOR, BACKLIGHT, ITS and CUSTOM according to the environments.

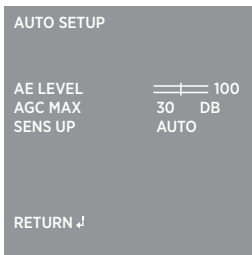


From the main menu, scroll to SCENE SELECT and select one of the 6 following modes using the Left or Right buttons.

- ▶ **FULL AUTO ↵**
Optimized for general scene.
- ▶ **INDOOR ↵**
Optimized for indoor environment.
- ▶ **OUTDOOR ↵**
Optimized for outdoor environment.
- ▶ **BACKLIGHT ↵**
Optimized for backlight condition such as near the window in daylight.
- ▶ **ITS (Intelligent Transportation Systems) ↵**
Optimized for traffic and parking.
- ▶ **CUSTOM ↵**
Setting for user customized environment.

ADVANCED MENU: SHUTTER/AGC

Each scene has preset settings which can be adjusted to better suit the scene. Some settings in different scenes might have limited options, choose custom for full adjustability of menu options.



► SHUTTER/AGC

This function is used to select AUTO, MANUAL, or FIX shutter speed control.

- **AUTO** ⬇: Video level is automatically controlled to follow the settings of AE LEVEL, AGC MAX, SENS UP. In this mode 'DC Auto Iris Lens' and 'Fixed Lens' are available.

- » AE LEVEL : Control of the brightness of bright lux.
- » AGC (Auto gain control) MAX : Control of the brightness of dark lux.
- » SENS UP : At night and/ or in dark conditions, the sens-up will help keep the image clear.

- **MANUAL** ⬇: Video level is manually controlled by the settings of AE LEVEL, AGC MAX. In this mode, 'DC Auto Iris Lens' is only available.

- » SHUTTER : Control of the brightness of bright lux.
- » AGC (Auto gain control) MAX : Control of the brightness of dark lux.

- **FIX** ⬇: Video level is fixed in any conditions by the setting of SHUTTER, AGC MAX.

- » SHUTTER : Control of the brightness of bright lux.
- » AGC (Auto gain control) MAX : Control of the brightness of dark lux.



NOTICE

- The higher the SENS-UP level, the brighter the screen, but the more likely it is that an after-image will appear. Possible image blur is normal with increased zoom while using SENS-UP.

ADVANCED MENU: WHITE BAL

► WHITE BAL (White Balance)

Can set the WHITE BALANCE mode.

• ATW (Auto Trace White Balance) ↴

Automatically tracks the changes of color temperature and continuously adjusts the white balance. The white balance range is 1,800°K ~ 10,500°K.

» SPEED : Sets the AWB(Automatic White Balance) compensating speed. Lower value makes AWB faster. **Too Fast AWB speed may make the color fluctuate.*

» DELAY CNT : Adjusts the AWB compensation delay to next update of AWB. The smaller value will update AWB more frequently.

» ATW FRAME : Determines the ATW range with respect to the fundamental range. Higher value extends the ATW range at lower and higher color temperature.

» ENVIRONMENT : Selects INDOOR, SUNNY, SHADE or AUTO. Their ATW is optimized for the limited application and can not cover.

- INDOOR : Optimized for Indoor installation and more easily compensates ATW for low color temperature such as incandescent lights.

- SUNNY : Optimized for outdoor sunlight applications and more easily compensates ATW for high color temperature such as sunlight.

- SHADE : Optimized for shade area compensation.

- AUTO : Optimized for general scene.

• PUSH

Regardless of subject condition, adjust white balance. Always control locking mode with full-in frame, white color as set point.

• USER 1 / USER 2

These are user defined modes the blue and red gains can be adjusted.

• MANUAL

The blue and red gain values for manual WB are set on this screen.

• PUSH LOCK

To get the most suitable status at current lighting environment, push the SET button while camera focuses on a white paper.



NOTICE

• WHITE BALANCE may not work properly under the following conditions:

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.

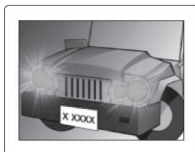
ADVANCED MENU: HLC/BLC

► HLC/BLC

When the camera faces strong light sources such as a window or headlights from a car you can choose this function to help improve the image.

• HLC ◀ (HIGH LIGHT COMPENSATION)

This function is used to black out highlighted areas, in order to enable a clear visual image of objects, such as the license plates of an oncoming vehicle or other objects that may be obstructed by headlights.



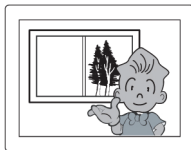
HLC ON



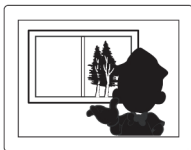
HLC OFF

• 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 a selected area to properly expose the subject in the foreground.



BLC ON



BLC OFF



NOTICE

- While using the BLC function, it is possible to have the bright portion of the scene appear overexposed.
- Only one BACKLIGHT setting can be enabled at a time.
- BLC is available only in 'CUSTOM' scene preset.

ADVANCED MENU: WDR/ATR-EX

► **WDR ↓ (WIDE 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.

- **CONTRAST**

Increase bright illuminance and dark illuminance level over average value and then control the contrast by selecting LOW, MID and HIGH.

- **CLEAR FACE**

The function is to increase the lux when the object is in the backlight.

► **ATR-EX ↓ (ADAPTIVE TONE REPRODUCTION)**

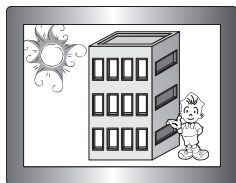
This function improves the dynamic range and the visibility of the image by providing the optimal gradation compensation of the image in one field.

- **CONTRAST**

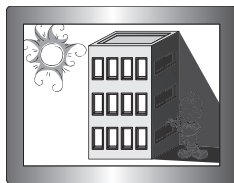
Increase bright illuminance and dark illuminance level over average value and then control the contrast by selecting LOW, MID and HIGH.

- **CLEAR FACE**

The function is to increase the lux when the object is in the backlight.



WDR ON



WDR OFF



NOTICE

- WDR is fixed except with the 'CUSTOM' scene preset. You can only choose WDR or ATR-EX, you can't choose to have both enabled.

ADVANCED MENU: DNR

DNR (Digital Noise Reduction) improves picture quality by filtering out signal noise that is generated during low light conditions.

► **DNR** ⚡ (DIGITAL NOISE REDUCTION)

• **LEVEL**

Adjustable from 0 - 6. The higher the number the greater the noise reduction.



OFF



2



4



6



NOTICE

- When adjusting the noise reduction level, remember that the higher the level is set, the greater the reduction in noise level, as well as the brightness of the image but trailing may occur with moving objects.

ADVANCE MENU: DAY & NIGHT

- ▶ **AUTO** ⏮ Switching from color to B/W automatically depending on lighting conditions.
 - **BURST**
Alters the color burst information passed to the video monitor. When ON the B/W video signal contains the color burst signal, but will result in lower resolution at night.
 - **DELAY CNT**
Sets the judgment time for transition between the Day and Night. Adjustable from 0 - 255.
- ▶ **DAY**
Fixed color only. Automatic switching does not occur.
- ▶ **NIGHT**
Fixed B/W only. Automatic switching does not occur.
 - **BURST**
Sets the BURST option ON/OFF to output burst signal in B/W mode.

ADVANCE MENU: IR OPTIMIZER

This function is effective with LED models in NIGHT mode to help reduce overexposed areas.

► ON ↴

• MODE

Reducing the over-saturation is automatically adjusted along with the location of the subject.

• IR AREA

Sets the IR OPTIMIZER AREA. This function only works when 'CUSTOM' scene preset is selected.

• LEVEL

This function is used to adjust the overall brightness when IR OPTIMIZER is working. If the LEVEL is too high, the over-saturation could occur

• COLOR NIGHT

Displays night video in color, lower resolution and video noise may occur when ON.

» **COLOR GAIN** : Adjust the color gain as necessary.

• IR SHADE COMP

This function is used to compensate for IR shade of the side area on screen when IR LED is ON. You can adjust the shading PATTERN, POSITION and LEVEL. If the LEVEL is high, the screen noise could be increased at the side area.

ADVANCED MENU: LENS SHD COMP

This function is used to calculate the compensation data for lens shading. The convex shape of the lens causes the light to enter the camera unevenly and typically makes the center of the screen brighter than the rest. It is used to compensate for this undesirable effect and make the screen more even.

► LENS SHD COMP

• ON ↴

Adjust the shading PATTERN and POSITION.

» PATTERN

The function is to increase the brightness of the outside of lens.

» POSH (Position Horizontal)

Adjust the bright area by left and right.

» POSV (Position Vertical)

Adjust the bright area by up and down.

ADVANCE MENU: DEFOG

This function helps to recognize the object in a foggy or dusty weather condition.

► DEFOG

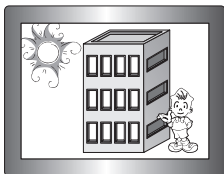
Images in extraordinary environments such as fog, smoke, rain or smog have a dynamic range lower than ordinary images. This function is a contrast enhancement, which is used to overcome such shortcomings.

- ON ↴

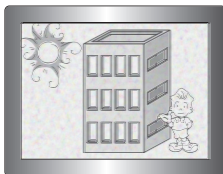
If the DEFOG is set to ON, the WDR/BLC function will be deactivated.

- » LEVEL

Set to LOW, MID, or HIGH.



DEFOG ON



DEFOG OFF

ADVANCED MENU: FLK LESS

This function is used to remove the flickering on screen due to differences in light and electric frequencies.

► FLK LESS

- AUTO ↴

- » MODE

- SHUTTER FIX
- GAIN CNTL

- ON ↴

- » MODE

- SHUTTER FIX
- GAIN CNTL

ADVANCED MENU: ANTI-CR

This mode can minimize the problems related to color rolling caused by differences between the flicker of fluorescent lights and the frequency of the camera.

► ANTI-CR

- AUTO
- ON

PICT ADJUST

PICT ADJUST

BRIGHTNESS	=====	128
CONTRAST	=====	32
SHARPNESS	=====	08
HUE	=====	064
COLOR GAIN	=====	128

RETURN ←

► BRIGHTNESS

Increases or decreases the brightness of the picture. This is different from that of DC iris lens and simply increases or decreases the digital gain of video. Do not increase this too much, the dynamic range for the highlight area will decrease.

► CONTRAST

Adjusts the strength of the image contrast. If set to too high, the dark area may lose detail and the high luminance area may saturate.

► SHARPNESS

Increases or decreases the sharpness of the picture. Too much sharpness can make image harsh and show more noise as well as line flicker at the edge of object in the picture.

► HUE

Adjust the color level 0 to 127. RED, GREEN, BLUE, YELLOW, CYAN, AND MAGENTA.

► COLOR GAIN

Increases or decreases the color saturation.

EZOOM

Sets the maximum digital zoom magnification. E.ZOOM function enlarges the pixel itself, which can cause deterioration of the picture quality.

EZOOM SETUP

MAG		000
PAN		512
TILT		256

RETURN ↩

► EZOOM (Digital Zoom)

• ON

» MAG

MAG is the magnification ratio of the electronic zoom. Sets from x000 to x255.

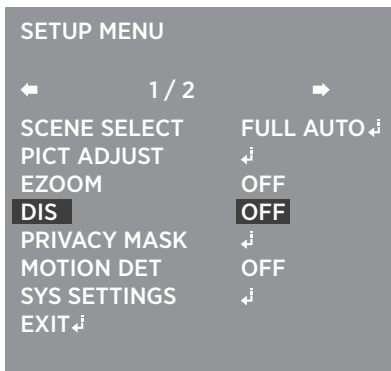
» PAN

When MAG is greater than 0, the electronic pan is available. 000 is the left most pan and 1023 is the right most pan.

» TILT

When MAG is greater than 0, the electronic tilt is available. 000 is the upper most tilt and 511 is the lower most tilt.

DIS (DIGITAL IMAGE STABILIZATION)



► DIS (Digital Image Stabilization)

This function reduces and stabilizes video caused from cameras installed on surfaces subject to vibration or wind. When DIS is enabled, the image is slightly zoomed in digitally, which results in slight resolution loss. DIS is less effective when the camera is viewing a mostly solid color wall or in low lighting conditions.

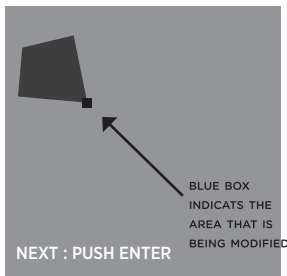
PRIVACY MASK

Up to 15 privacy areas are available and each area is programmable in size and location. The number of privacy areas is limited to four when MOTION DET > MONITOR AREA is ON. The privacy areas are masked with the color selected by PRIVACY MASK>COLOR.

PRIVACY MASK SETUP

AREA SEL	1/15
DISPLAY	OFF
POSITION	----
COLOR	----
TRANSP	----
MOSAIC	----

RETURN ↵



► AREA SEL

Selects one of the 15 privacy areas (AREA1~AREA15) to be adjusted.

► DISPLAY

Turn the selected area 'ON' or 'OFF'

► POSITION ↵

Adjusts the position of the selected mask area.

• TOP/BOTTOM

◀ button moves up and ▶ button moves down the top (bottom) border of the selected window at AREA SEL.

• LEFT/RIGHT

◀ button moves left and ▶ button moves right the left (right) border of the selected window at AREA SEL.

► COLOR

Selects one of 8 colors (Red, Green, Blue, Yellow, Cyan, Magenta, White, Black) for the selected mask window at AREA SEL.

► TRANSP

Transparency rate for the mask can be adjusted.

0.00 - Mask is fully transparent and not visible.

0.50 - Mask is 50% transparent.

0.75 - Mask is 25% transparent.

1.00 - Mask is not transparent.

► MOSAIC

Enables or disables the mosaic effect for the selected privacy mask.

MOTION DET

Up to 4 motion detection areas are available and each area is programmable in size and location. The motion is displayed by means of blocks when MOTION DET and MOTION DET>BLOCK DISP are ON.

MOTION DETECTION

DETECT SENSE  111

INTERVAL  000

BLOCK DISP OFF

MASK AREA 

MONITOR AREA 

RETURN 

1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81	82	83	84
85	86	87	88	89	90	91	92	93	94	95	96

RETURN 

(DEFAULT MASK AREA)

► DETECT SENSE

Adjusts the sensitivity for detecting motion. The higher value the more sensitive motion detection will be.

► INTERVAL

Sets the interval time from the starting of motion operation until being ready for the next motion operation.

► BLOCK DISP

Enables or disables displaying blocks for the area which the motion is detected.

► MASK AREA

Sets MASK AREA for disabling MOTION DETECTION. Selects number of area sets to set the area you need.

► MONITOR AREA

Sets the MOTION DETECTION area on screen.

• AREA SEL

Select one of 4 motion areas to be adjusted. Each area is displayed with the color. AREA1-Red, AREA2-Green, AREA3-Blue, AREA4-Yellow

» AREA MODE

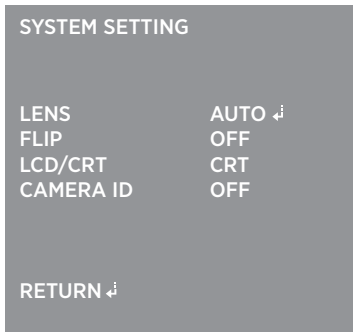
Turn the selected area ON or OFF.

» TOP/BOTTOM/LEFT/RIGHT

Sets the AREA SEL box sizes and positions with four direction points.

SYSTEM SETTING

Sets the system related functions.



► LENS

Selects the lens type, AUTO or MANUAL. AUTO supports DC auto-iris lens only

• AUTO ↵

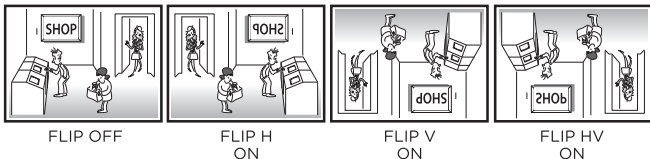
- » TYPE: This camera does NOT support video type auto iris lens.
- » MODE: Lens iris is automatically controlled according to the scene light level.
- » ADJUST ↵ : Adjusts lens open control regardless of the light level.
- » SPEED: Adjusts the iris control speed. The lower value is the faster speed. If the speed is too slow or fast, the iris control may be unstable.

• MANUAL

► FLIP

This function is used to inverse the pictures coming from the camera.

- V: Flips the video signals vertically.
- H: Flips the video signals horizontally.
- HV: Flips the video signals horizontally and vertically



SYSTEM SETTING

► LCD/CRT

Selecting the correct type of viewing monitor will ensure the most optimal picture.

► CAMERA ID

Sets ON/OFF for enabling/disabling of ID display. The default ID is the software version of camera. User programmed camera ID will be lost and restored with factory default ID by CAMERA RESET. Up to 40 characters can be input for camera ID.

•CLR

To clear CAMERA ID input line, move a cursor to CLR on COMMAND LINE and press a set button.

•POS

To set the location of CAM TITLE to be displayed on the monitor, move a cursor to POS and press a set button and then the OSD menu disappears and CAMERA ID will be displayed on the monitor. Move CAMERA ID where desired position by using four direction buttons then press a set button to fix. The OSD Menu will appear again.



- 1) Select CAMERA ID, then use the LEFT/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 52 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.

LANGUAGE

8 languages, are available to choose from ENGLISH, SPANISH, RUSSIAN, PORTUGUESE, GERMAN, FRENCH, CHINESE and JAPANESE.

MAINTENANCE

Sets the OSD menu user environments and Camera reset.

► W. PIX MASK

This function is used to compensate for white pixels(defective pixels).

•MANUAL ↴

- » REGISTRATION: Compensates the white spots
- » REG.POINT: Select the color of compensated white spots.
- » CURSOR COLOR: Control the color of the cursor when the white spot is compensated.
- » BLINK: Control the blink of cursor.
- » REG. NUMBER: The number of compensated white spots.

•AUTO ↴

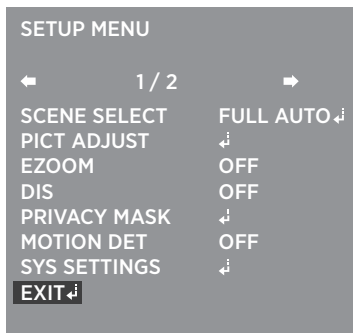
- » LEVEL1: Sets the threshold of the detection for white pixels.
- » LEVEL2: Sets the threshold of the detection for very large white pixels.
- » AUTO : Starts the automatic detection of white pixels.

•DATA CLEAR ↴

► CAMERA RESET ↴

This function is used to reset the camera to the factory default settings.

EXIT



► EXIT

- SAVE: Save all the setting before exit the setup menu.
- NOT SAVE: Exit the setup menu without save.
- CANCEL: Cancel the exit mode
- BACK: Go back to the previous menu mode.



NOTICE

- After 10 seconds of no activity the OSD Menu will disappear.

TROUBLESHOOTING

If you have trouble operating your camera, 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 cable, power supply output and video connection between the camera and monitor.
The image on the screen is dim.	• Is the camera lens or the lens glass dirty? Clean the lens/glass with a soft clean cloth. • Adjust the monitor controls, as required. • If the camera is facing a very strong light, change the camera position. • Adjust the lens focus.
The screen is dark.	• Adjust the contrast control of the monitor. • If you have an intermediate device, set the 75Ω/Hi-z properly, and check the terminals.
There is a problem with the camera operation. The camera surface is too hot and black stripes appear on the screen.	• Check if an appropriate power source to the camera complies with the manufacturer's standard requirement, or if the voltage keeps changing.
The motion function is not working.	• Check if the MOTION DET is turned on. • Check the SENSITIVITY level.
Colors are not quite right.	• Check the WHITE BAL setting. • Adjust the COLOR GAIN and/or HUE
The screen is flickering.	• Check if the camera is facing directly into sunlight or fluorescent light. Move the camera if necessary. • Set Shutter to Flicker

CONTACT



CCTV Sales
1-800-447-3306



CCTV Support
1-800-549-6393



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clintonelectronics

Make sure you read this manual before using the camera. Store this manual safely so that you can use it in the future. Please use this manual along with the Installation Manual included with the camera.

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