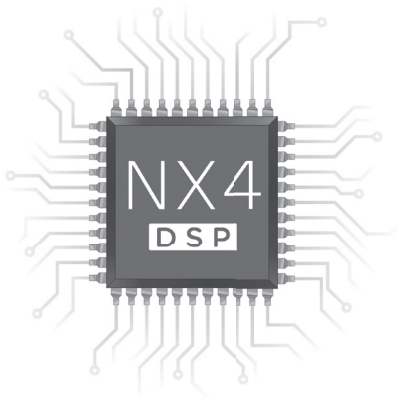


clintonelectronics



ON SCREEN DISPLAY User Manual

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.

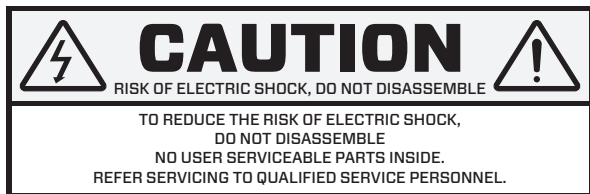
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

PORTABLE CART WARNING



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 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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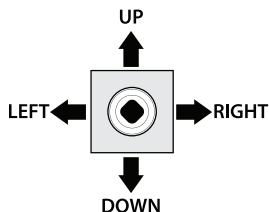
OSD (ON SCREEN DISPLAY) MENU

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.

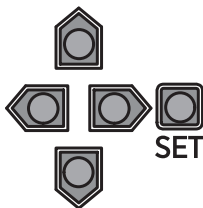
LENS	• DC		
EXPOSURE	• BRIGHTNESS • SENSE-UP	• SHUTTER	• AGC
DWDR	• OFF	• ON	
WHITE BALANCE	• ATW • MANUAL	• AWB • INDOOR	• AWC→SET • OUTDOOR
BACKLIGHT	• OFF	• BLC	• HSBLC
SMART 3DNR	• OFF	• ON	
DAY&NIGHT	• AUTO • EXTERN	• COLOR	• B/W
SPECIAL	• IMAGE ADJ. • MOTION	• CAM TITLE • PRIVACY	• SYNC • DIS
EXIT	• SAVE	• NOT SAVE	• RESET

ACCESSING THE OSD

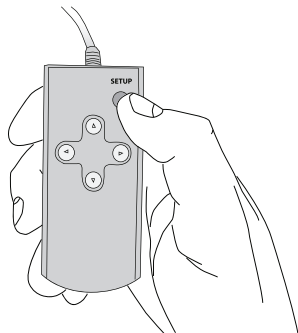
Settings can be adjusted using the built-in joystick, button pad, optional CE-REMOTE or the optional UTC (Up The Coax) REMOTE.



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.

UTC REMOTE use: Plug one end of the UTC REMOTE into the coax cable connecting to the camera and plug the other end into the monitor or DVR. Press the SETUP button to activate the OSD menu.

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

*UTC (Up The Coax) Controller
(sold separately).

OSD MENU SETTINGS

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.

CLINTON NX4	
▶1. LENS	DC ↓
2. EXPOSURE	↓
3. DWDR	OFF
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. SMART 3DNR	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.

- Scroll through menu items from the list available by using the UP and DOWN buttons.
- Use the LEFT and RIGHT buttons to change a setting.
- 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.
- An item with the " - - " icon is unavailable due to function settings.
- All menu items have a 'RETURN' option. With this function you have the option to 'RET' (RETURN), which takes you back to the previous menu screen. Or you have to the option to 'SAVE&END', which saves current settings and exits out of the OSD Menu.

LENS

This function is used to adjust the brightness of the screen. 'DC' or 'MANUAL' will automatically be selected, depending on the iris of the camera lens; automatic or manual.

CLINTON NX4	
▶1. LENS	DC ↓
2. EXPOSURE	↓
3. DWDR	OFF
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. SMART 3DNR	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.

DC LENS	
▶1. BRIGHTNESS	45
2. IRIS SPEED	4
3. RETURN	RET ↓



Notes

- 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.

CLINTON NX4	
1. LENS	DC ↓
▶ 2. EXPOSURE	↓
3. DWDR	↓
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. SMART 3DNR	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 (1-100).
- ▶ **SHUTTER** : You can select either auto or manual shutter.
 - **AUTO** : Select this to control the shutter speed automatically, depending on the ambient illumination of the subject.
 - **FLK** : Select this when you experience picture flicker, which can happen when there is a clash with the frequency of the installed lighting.
 - **MANUAL** : You can control the shutter speed manually.
(1/60-1/100,000, FLK, x2-x256)
 - **1/60** : Shutter speed is fixed at 1/60 sec.



Notes

- When the SHUTTER is set to AUTO, 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 FLK mode, SENSE-UP will be disabled.

EXPOSURE

EXPOSURE	
▶1. BRIGHTNESS	50
2. SHUTTER	1/60
3. AGC	MIDDLE
4. SENSE-UP	AUTO ↓
5. RETURN	RET ↓

▶ **AGC (AUTO GAIN CONTROL)**

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

- **LOW** : 28dB of Gain is applied.
- **MIDDLE** : 32dB of Gain is applied.
- **HIGH** : 36dB of Gain is applied.

▶ **SENSE-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 SENSE-UP function.
- **AUTO** : Activates the SENSE-UP function.

SENSE UP	
▶1. SENSE-UP	x4
2. RETURN	RET ↓



Notes

- Setting the AGC to 'OFF' will disable some features such as SENSE-UP, Auto switching of Day & Night modes, and Smart DNR3.
- When SENSE-UP is set to 'AUTO' mode, you can adjust the brightness by increasing or decreasing the shutter speed. (x2-x256)
- Note that the higher the 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 SENSE-UP.

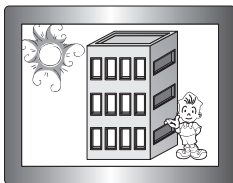
DWDR (DIGITAL WIDE DYNAMIC RANGE)

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.

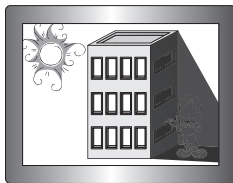
CLINTON NX4	
1. LENS	DC ↓
2. EXPOSURE	↓
▶3. DWDR	↓
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. SMART 3DNR	ON ↓
7. DAY&NIGHT	AUTO ↓
8. SPECIAL	↓
9. EXIT	SAVE ↓

Turn on by using the Left/Right buttons and press SET to change the DWDR level in the sub menu according to the contrast between bright and dark areas.

DWDR	
▶1. LOW LEVEL	5
2. HIGH LEVEL	3
3. RETURN	RET ↓



DWDR ON



DWDR OFF

WHITE BALANCE

This function allows the ability to adjust the color temperature.

CLINTON NX4		
1. LENS	DC	↓
2. EXPOSURE		↓
3. DWDR		↓
▶ 4. WHITE BAL		
5. BACKLIGHT	OFF	
6. SMART 3DNR	ON	↓
7. DAY&NIGHT	AUTO	↓
8. SPECIAL		↓
9. EXIT	SAVE	↓

Select one of the 6 following modes using the LEFT and RIGHT buttons.

- ▶ **ATW** : Select this to automatically readjust the white balance each time a change in the ambient color temperature is detected.
- ▶ **AWB** : Select this to set the white balance for only one particular environment. More accurate than ATW, but has to be reset manually when there is a change in ambient color temperature.
- ▶ **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 AWB mode. Then switch to MANUAL mode, fine-tune the White Balance and then press the SET button.

MANUAL WB		
▶ 1. BLUE		31
2. RED		20
3. RETURN		RET ↓

WHITE BALANCE

- **INDOOR** : Select this when the color temperature is between 4,500°K and 8,500°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).

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.

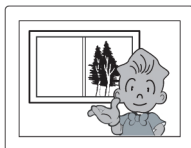
3. DWDR	↓
4. WHITE BAL	ATW
▶5. BACKLIGHT	BLC ↓
6. SMART 3DNR	ON ↓
7. DAY&NIGHT	AUTO ↓
8. SPECIAL	↓

Select a desired mode using the Left and RIGHT buttons depending on the camera purpose.

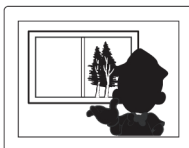
▶ **OFF** : Not being used

▶ **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.

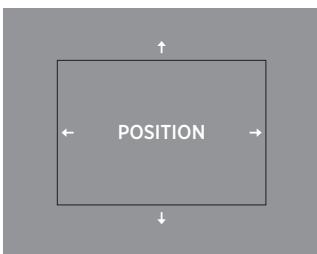
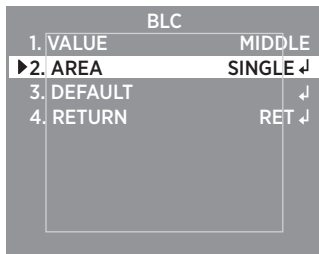


BLC ON



BLC OFF

- **VALUE** : Adjust the level of the BLC function.
- **AREA** : Adjust the position and size of up to 2 BLC areas.



BACKLIGHT

► BLC continued...

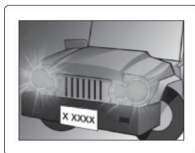
- 1) Position the flashing box to the desired area, then press SET.
 - 2) Adjust the size of the area, then press SET.
 - 3) Once you have the desired location and size of the BLC AREA set, choose 'RET' (Return) to apply changes. Choose 'AGAIN' to start over to make any needed adjustments to the area.
- **DEFAULT** : Resets BLC settings to factory default.

Notes

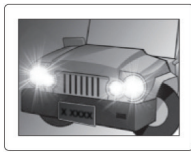
- While using the BLC function, it is possible to have the bright portion of the scene appear overexposed.

► HSBLC (HIGHLIGHT SUPPRESSION BACK 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 HSBLC feature to remove these bright lit areas to allow detail such as a car license plate number to become visible.



HSBLC ON



HSBLC OFF

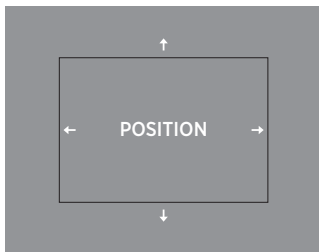
- **GAIN** : Adjust the amount of gain to be applied to the HSBLC function.
- **MODE** : Enable to change the operating condition.
- **MASK LEVEL** : Adjust the level of the HSBLC function. The higher the level, the more sensitive the HSBLC function becomes.
- **DEFAULT** : Resets HSBLC settings to factory default.

BACKLIGHT

► HSBLC continued...

- **M. SKIP AREA** : Adjust the position and size of an area to not apply the HSBLC function.

HSBLC		
1. GAIN	50	
2. MODE	NIGHT ONLY	
3. MASK LEVEL	70	
4. DEFAULT	↓	
► 5. M. SKIP AREA	ON ↓	
6. RETURN	RET ↓	



- 1) Position the flashing box to the desired area, then press SET.
- 2) Adjust the size of the area, then press SET.
- 3) Once you have the desired location and size of the Mask Skip AREA set, choose 'RET' (Return) to apply changes. Choose 'AGAIN' to start over to make any needed adjustments to the area.



Notes

- For effective license plate observation, it needs minimum illumination and fast shutter speed more than 1/200sec.
- Because there can be a difference in the effectiveness of HSBLC according to the amount of light area in the screen, optimize the installation angle for the best HSBLC performance.
- In NIGHT ONLY mode HSBLC is not active during the daylight or when bright lights are not present at night.

SMART 3DNR

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

CLINTON NX4	
1. LENS	DC ↓
2. EXPOSURE	↓
3. DWDR	↓
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
▶ 6. SMART 3DNR	ON ↓
7. DAY&NIGHT	AUTO ↓
8. SPECIAL	↓
9. EXIT	SAVE ↓

Select a desired mode using the Left and RIGHT buttons.

- ▶ **OFF** : Deactivates Smart 3DNR. Noise is not reduced.
- ▶ **ON** : Activates Smart 3DNR so that noise is reduced.
 - **VALUE** : Adjust the noise reduction level.
 - **SMART NR** : Choose 'ON' to adjust the Smart Level and Sensitivity.
 - **SMART LEVEL** : Adjustable from 0-200
 - **SENSITIVITY** : Adjustable from 0-100

SMART 3DNR	
1. VALUE	80
▶ 2. SMART NR	ON
3. SMART LEVEL	200
4. SENSITIVITY	40
5. RETURN	RET ↓



Notes

- You cannot set the Smart 3DNR to 'ON' or 'OFF' when the AGC mode of the EXPOSURE menu is 'OFF'.
- When adjusting the noise reduction level in 3DNR mode, remember that the higher the level is set, the greater the reduction 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.

CLINTON NX4	
1. LENS	DC ↓
2. EXPOSURE	↓
3. DWDR	↓
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. SMART 3DNR	ON ↓
▶ 7. DAY&NIGHT	AUTO
8. SPECIAL	↓
9. EXIT	SAVE ↓

Select a desired mode using the Left and RIGHT buttons according to the picture display you want.

- | | |
|----------------|---|
| ▶ COLOR | : The image is always displayed in color. Automatic switching does not occur. |
| ▶ 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. |
| ▶ EXT | : This mode is used for cameras that have an external D/N filter, typically IR cameras. |
| ▶ B/W | : The image is always displayed in black and white. You can turn on or off the burst signal on B/W mode. Automatic switching does not occur. |



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. DWDR	↕
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. SMART 3DNR	ON ↕
7. DAY&NIGHT	AUTO ↕
▶8. SPECIAL	↕
9. EXIT	SAVE ↕

Select a desired mode using the UP and DOWN buttons.

▶ IMAGE ADJ

SPECIAL	
▶1. IMAGE ADJ	ON ↕
2. CAM TITLE	OFF
3. SYNC	L/L ↕
4. MOTION	ON ↕
5. PRIVACY	ON ↕
6. DIS	ON

• MONITOR

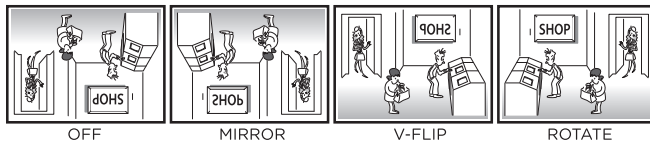
Change the settings value of video that is appropriate to your monitor.

- LCD : Select this menu item when using a LCD monitor.
- CRT : Select this menu item when using a CRT monitor.

• MIRROR

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

- MIRROR : Vertical flip.
- V-FLIP : Both horizontal and vertical flip.
- ROTATE : Horizontal flip.



SPECIAL

► IMAGE ADJ continued...

- **FREEZE**

Pause the image or reactivate it.

- **D-ZOOM**

Digital Zoom (x1-x32)

- **SMART DZOOM**

Motion activated Digital Zoom (x2-x5) to a specified area. Useful for zooming to an area of interest, such as a doorway, while still being able to monitor the surrounding area.

- **LENS SHADING**

Select to adjust for smoke-tinted domes or image vignetting caused by lens limitations.

- **DEFECT**

Compensation for defects or dead pixels that may occur over time, during low light conditions.

- SENSE UP : Compensates for defects while SENSE UP is activated. The higher the value set, the more defects are compensated.
- DIFF : Brightness of the defect in an image. The lower the value set, the more defects are compensated.
- THRESHOLD : Compensates for defects while AGC is activated. If set too high, further image noise may occur.
- START : Start Defect compensation; follow the on-screen instructions.

- **SHARPNESS**

Increase or decrease the clarity of the image.

- **DEFOG**

Images in extraordinary environments such as fog or rain or in a very strong luminous intensity have DR (dynamic range) lower than ordinary images. This function is a contrast enhancement, which is used to overcome such shortcomings.

- **LANGUAGE**

Select the menu language; English, Korean, Japanese, Chinese, Russian, Français, Español, Italiano, Português, Dutch, German, Polish, Turkish, Hebrew, Arab.



Notes

- 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.



Camera Title



- 1) Select CAM TITLE, 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 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.



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 move the cursor to the bottom left arrow and press the SET button. Next move the cursor over the letter to be edited, then move the cursor to the letter to be inserted and then press the SET button.

SPECIAL

► 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.

SPECIAL	
1. IMAGE ADJ	ON ↓
2. CAM TITLE	OFF
► 3. SYNC	L/L ↓
4. MOTION	OFF
5. PRIVACY	OFF
6. DIS	ON
7. RETURN	RET ↓

- 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.

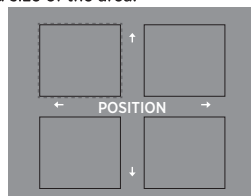
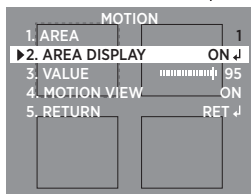
SPECIAL

► MOTION

Monitor activity more efficiently with this feature by means of highlighting moving objects in yellow.

SPECIAL	
1. IMAGE ADJ	ON ↓
2. CAM TITLE	OFF
3. SYNC	L/L ↓
► 4. MOTION	ON ↓
5. PRIVACY	OFF
6. DIS	ON
7. RETURN	RET ↓

- **AREA** : Select up to 4 areas.
- **AREA DISPLAY** : Turn 'ON' or 'OFF' the motion area, as well as adjust the position and size of the area.



- 1) Position the flashing box to the desired area, then press SET.
- 2) Adjust the size of the area, then press SET.

3) Once you have the desired location and size of the Mask Skip AREA set, choose 'RET' (Return) to apply changes. Choose 'AGAIN' to start over to make any needed adjustments to the area.

- **VALUE** : The higher the value the more a moving object is highlighted in yellow.
- **MOTION VIEW** : Enables or disables the Motion View.

SPECIAL

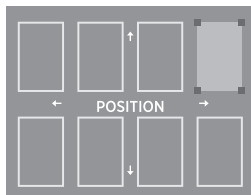
► PRIVACY

Apply a mask to an area you want to hide. Useful in areas where a camera can see into areas that are not relevant to security needs.

SPECIAL	
1. IMAGE ADJ	ON ↓
2. CAM TITLE	OFF
3. SYNC	L/L ↓
4. MOTION	OFF
► 5. PRIVACY	ON ↓
6. DIS	ON
7. RETURN	RET ↓

- **AREA** : Select up to 8 areas to apply a privacy mask to.
- **AREA DISPLAY** : Turn 'ON' or 'OFF' the privacy area, as well as adjust the shape and position of the area.

PRIVACY	
1. AREA	4
► 2. AREA DISPLAY	ON ↓
3. COLOR	8
4. TRANSPAR	3
5. RETURN	RET ↓



- 1) Adjust the shape of the mask by moving the selected corner. Top Left/Top Right/Btm Left/Btm Right. A square will indicate which corner you are manipulating. Press SET when satisfied with shape.
- 2) Adjust the position of the mask, then press SET.
- 3) Once you have the desired location and shape of the mask area, choose 'RET' (Return) to apply changes. Choose 'AGAIN' to start over to make any needed adjustments to the area.

- **COLOR** : Select 1 of 15 different colors.
- **TRANSPAR** : Adjust how transparent the mask appears.

SPECIAL

► DIS (DIGITAL IMAGE STABILIZER)

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

SPECIAL	
1. IMAGE ADJ	ON ↓
2. CAM TITLE	OFF
3. SYNC	L/L ↓
4. MOTION	OFF
5. PRIVACY	OFF
► 6. DIS	ON
7. RETURN	RET ↓



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.

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.

CLINTON NX4	
1. LENS	DC ↓
2. EXPOSURE	↓
3. DWDR	OFF
4. WHITE BAL	ATW
5. BACKLIGHT	OFF
6. SMART 3DNR	ON ↓
7. DAY&NIGHT	AUTO ↓
8. SPECIAL	↓
▶9. EXIT	SAVE ↓

- **SAVE** : 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.
- **CANCEL** : Do not save the current settings and exit the OSD.

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 connection. • Check the video signal line connection. • Check the Brightness of Auto Iris lens.
The video image is not clear.	• Check if the lens is clean. Clean the lens with a clean cloth. • Adjust the contrast feature of the monitor. • Make sure that the screen is not exposed directly to a bright light. Move the camera if necessary.
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. • Adjust the brightness level of the Auto Iris lens.
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 DETECTION function is not working.	• 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.	• Check the 'WHITE BAL' setting.
The screen is flickering.	• Check if the camera is facing directly into sunlight or fluorescent light.
L/L mode isn't able to be selected.	• Have you connected your camera to DC power source? Connect it to AC power source.
COLOR (DAY/NIGHT) mode is not working.	• Check if the AGC menu is set to the OFF position.
SENS-UP function is not working.	• Check if the AGC menu is set to the OFF position. • Check the limit of SENS-UP AUTO mode.

CONTACT



CCTV Sales
1-800-447-3306



CCTV Support
1-800-549-6393



Web
www.clintonelectronics.com



Address
6701 Clinton Road
Loves Park, IL 61111



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.

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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