



High Resolution Color Day/Night Box Camera

CE-CC115-W

CLINTON Electronics



CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), 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.

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 & CE 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.

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 those specified.
- ◆ Do NOT expose this appliance to rain or moisture.

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

Digital Day&Night Color Camera

■ Features

Horizontal Resolution of 540 TV Lines

Clear image quality has been achieved by employing a SONY CCD with 410,000 (effective) pixels, which provides a horizontal resolution of 540 TV lines.

DAY & NIGHT

This camera has a function that automatically selects the mode that is appropriate for daytime or night-time conditions. The COLOR mode operates in daytime conditions to provide optimum colors, and BW mode operates in night-time conditions to enhance the definition of the image.

Electronic IRIS

The electronic IRIS function enables continuous automatic control of the shutter between 1/60~1/120,000 seconds.

PRIVACY Function

The PRIVACY function conceals the areas not required to appear on the image.

VIDEO/DC Drive Lens

The video drive lens and the DC drive lens can be selected by the touch of a switch.

High Sensitivity

The built-in high sensitivity SONY COLOR CCD enables a clear image even in 0.3Lux(0.1Lux B/W) or as low as 0.002Lux with SENS-UP.

DNR (Digital Noise Reduction)

The amount of low illuminance noise has been significantly reduced, and the signal-to-noise ratio (S/N ratio) as well as horizontal resolution have been improved, resulting in clear and sharp images displayed even in low light.

Controlled by OSD Menu

The camera functions are controlled by selecting text displayed on the monitor screen.

Additional Functions

SENS-UP, MOTION DETECTION, MIRROR, SHARPNESS and SYNC (INT/LL) functions are also available.

Warning ■

The camera requires periodic inspection.

Contact an authorised technician to carry out the inspection.

Stop using your camera when 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 dis-assemble 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.

■ Contents

Features	 2
Warnings and Precautions	3
Components	8
Names and Functions of Parts	9
■ Front ·····	9
■ Bottom	10
■ Back ·····	 11
Installation	12
■ Lens	12
· Using auto iris	
· Using C/CS mount lens	
■ Connecting to a monitor	15
■ Connecting to power	15

Camera Operation		16
■ Menu		16
■ Settings		17
• LENS (selection)		18
 SHUTTER (condition and spee 	ed control)	20
WHITE BALANCE control		21
BLC (Back Light Compensation	າ)	22
 AGC (Auto Gain Control) 		23
• DNR (Digital Noise Reduction)		24
• SENS-UP		24
• SPECIAL		26
• EXIT		31
Troubleshooting		32
Specification		34

■ Precautions

Do not install the camera in extreme temperature conditions.



Only use the camera under conditions where temperatures are between -10°C and +50°C. 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 install or use the camera in an environment where the humidity is high.



It can cause the image quality to be

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 drop the camera or subject it to physical shocks.



It can cause malfunctions to occur.

Never keep the camera pointed directly at strong light.



It can damage the CCD.

Do not expose the camera to rain or spill beverage on it.



If it gets wet, wipe it dry immediately. Liquids can contain minerals that corrode the electronic components. Do not expose the camera to radioactivity.

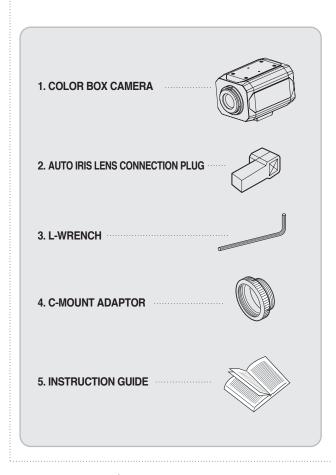


If exposed to radioactivity the CCD will fail.



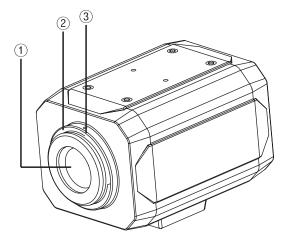
- If the camera is exposed to spotlight or object reflecting strong light, smear or blooming may occur.
- Please check that the power satisfies the normal specification before connecting the camera.

■ Components



Names and Functions of Parts ■

Front

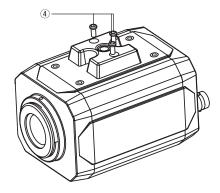


- ① Lens protection cap

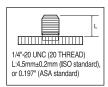
 Cover the lens when not using it.
- ② CS-Mount lens adaptor Attach the CS-Mount lens here.
- Sack Focus clamp screw Loosen the clamp screw with a screwdriver before adjusting the Back Focal length.

Names and Functions of Parts

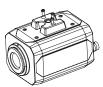
Bottom



Mounting bracket screw hole
 Use the screw hole when fixing the camera onto the mounting bracket. Please use the clamp screw as specified in the picture.

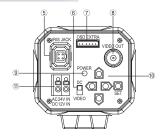


The mounting bracket can be separated and attached on the top of the camera. please do not tighten the screw to a depth of more than 5mm, otherwise serious damage can occur to the inside of the camera.



Names and Functions of Parts

Back



(5) Auto iris lens connector

This is the connection terminal for the auto iris lens.

6 Auto iris lens selection switch

Change the mode to DC or VIDEO depending on the type of auto iris lens being used.

7 OSD Extra

Connects to the remote controller(option) when you want to install remotely.

- **8 Video output terminal**
- Sends video signals and connects to the video input terminal of the monitor.
- 9 Power lamp

Lights up when the correct power is supplied to the camera.

- 10 Setting button
 - SET button: Used for the menu display. This button can be used to confirm settings after changing the value of the selected function or current conditions.
 - UP & DOWN buttons: Used for selecting items by moving the cursor up or down on the menu screen.
 - LEFT & RIGHT buttons: Used when changing item values, by moving the cursor to the left or right on the menu screen.
- 11 Power input terminal

Connects to the power appropriate to each power requirement.

■ Installation

■ Lens

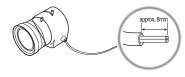
Lenses are sold separately. Lenses such as auto iris lens, CS-Mount lens and C-Mount lens can be used.



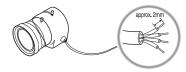
- Use of the DC auto iris lens is recommended to achieve the best results for operating this product effectively.
- Keep the lens clean.
- Any foreign objects and fingermarks on the lens can cause inferior image quality in low light level conditions.

When using an auto iris lens

1. Peel off about 8mm of the outer skin of the auto iris lens cable.



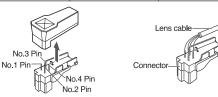
Peel off about 2mm of the outer skin of the insulated conductor inside the lens cable.



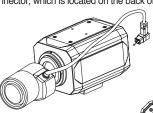
Installation ■

3. Remove the cover of the auto iris lens connection plug and solder the lens cable to the connector pin in the plug.

	Pin No. No.1 Pin No.2 Pin No.3 Pin	LENS	
		DC	VIDEO
	No.1 Pin	Damping-	Red(power)
	No.2 Pin	Damping+	NC
	No.3 Pin	Drive+	White(video signal)
	No.4 Pin	Dreve-	Black(GND)



- Replace the auto iris lens connection plug cover and take off the lens protection cap, and then attach the auto iris lens to the camera by screwing it in clockwise.
- 5. Insert the connection plug that is connected to the auto iris lens cable into the auto lens connector, which is located on the back of the camera.



 Set the lens selection switch, located on the back of the camera, to DC or VIDEO depending on the type of auto iris lens which is being used.



■ Installation

When using a CS-Mount lens

Take off the lens protection cap and attach the CS-Mount lens to the camera by screwing it in clockwise.



When using a C-Mount lens

1. Take off the lens protection cap and attach the C-mount adaptor.

C-mount adaptor -

Lens protection cap

2. Attach the C-Mount lens to the camera by screwing it in clockwise.

C-mount adaptor -

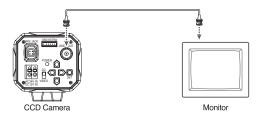


- Use the specified lens connection parts as shown in the picture below.
 The use of the wrong sized parts may cause damage to the inside of the camera or result in poor fitting.
- Use of a lens which is too heavy affects the balance of the camera and may cause a malfunction. Please use a lens that weighs less than 450g.
- Select Av mode if possible when adjusting the automatic light control (ALC) of an auto lens. Use of PK mode may cause hunting.



■ Connecting to a monitor

Connect the video output terminal located on the back of the camera to the monitor.



- The connection method varies depending on the type of monitor and accessories. Please refer to the user's manual for each instrument.
- Turn off the power when connecting.

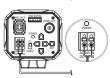
■ Connecting to power

Check the standard power requirement before connecting to power.

Dual Power Type (AC 24V/DC 12V, AC 24V Class2)



DC Power Type (DC 12V, 500mA)

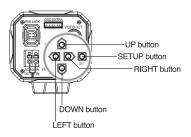


■ Menu

SETUP menu				
LENS (selection)	• MANUAL	• DC/VIDEO		
SHUTTER (condition and speed control)	• ESC	• MANUAL	• FLK	
WHITE BALANCE control	• ATW	• AWC	• MANUAL	
BACKLIGHT (Backlight compensation)	• OFF • HIGH	• LOW	• MIDDLE	
AGC (Auto Gain control)	• OFF • HIGH	• LOW	• MIDDLE	
DNR (Digital Noise Reduction)	• OFF • HIGH	• LOW	• MIDDLE	
SENS-UP (Low illuminance)	• OFF	• AUTO		
SPECIAL	• CAMERA • SYNC • PRIVACY • SHARPNE • RETURN	MOTIC MIRRO	N DETECTION OR	
EXIT				

■ Settings

Settings can be made using the 5 buttons located on the back of the camera.



1. Press the SET button

• Settings can now be made. The SETUP menu is displayed on the monitor.

SETU	JΡ
▶ LENS	MANUAL
SHUTTER	ESC ↓
WHITE BAL.	ATW
BACKLIGHT	OFF
AGC	LOW❖
DNR	LOW
SENS-UP	OFF
SPECIAL 🗸	
EXIT	

- 2. Select a menu item from the list available by using the UP and DOWN buttons.
- The cursor can be moved up or down by using the UP and DOWN buttons. Position the cursor to point to the function requiring adjustment.



- 3. Press the LEFT or RIGHT button if you wish to change mode.
- When the LEFT or RIGHT button is pressed, available values and modes are displayed in order. Please keep pressing the button until you get to the mode you wish to operate.
- 4. Select 'EXIT' and then press the SET button to finish the setting.

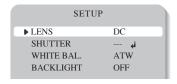


- If \checkmark appears at the mode selected, it means that there is a sub-menu which can be selected by pressing the SET button.
- If —— appears at the mode item, it means that there are no modes available for selection.

LENS (selection)

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

- When the SETUP menu is displayed on the screen, position the cursor to point to 'LENS' by using the UP and DOWN buttons.
- 2. Select the type of the lens setting to use by pressing the LEFT or RIGHT button.



DC/VIDEO: Auto Iris Lens selection



- When using an auto iris lens, the setting of the auto iris lens selection switch, located on the back of the camera, must be on DC or VIDEO depending on the type of the lens which is being used.
 (Refer to the picture on page 13)
- The brightness of the screen can be adjusted in DC mode. The brightness can be adjusted within the range of $1 \sim 70$. The optimum level of brightness for the user can be achieved by adjustment.



MANUAL: Manual Lens selection

3. Press the SET button if you wish to return to the previous menu

SHUTTER (condition and speed control)

Auto or manual control can be selected.

- 1. When the SETUP menu is on the screen, position the cursor to point to 'SHUTTER' by using the UP and DOWN buttons.
- 2. Select the shutter mode by pressing the LEFT or RIGHT button.
 - ▶ FLK: Select 'FLK' mode when flickering occurs on the screen due to an imbalance between illumination and frequency. NTSC Model:1/100, PAL Model: 1/120
 - ♠ ESC : Auto control of the shutter speed is enabled. When ESC mode is on, the shutter speed is controlled automatically according to the brightness of the scene.
 - ♠ MANUAL : The shutter speed can be controlled manually.

SETUP	
LENS	MANUAL
▶ SHUTTER	ESC ₄i
WHITE BAL	ATW
BACKLIGHT	OFF

- 3. Select 'MANUAL' mode for manual shutter speed adjustment.
- Selectable speeds are from '1/60' to '1/120,000'sec (NTSC) and '1/50' to '1/120,000'sec (PAL).
- 4. Press the SET button when the settings are completed.



- While using the internal synchronous system, if the shutter setting is on 'ESC' and the camera is directly facing bright fluorescent lights the image on the screen can be adversely affected - therefore choose the installation location carefully.
- · When 'MANUAL' mode is on, the SENS UP function cannot be used.

WHITE BALANCE

The screen colours can be adjusted using the WHITE BALANCE function.

- Position the cursor to point to 'WHITE BAL' on the SETUP menu by using the UP and DOWN buttons.
- 2. Select the mode you wish to adjust by pressing the LEFT or RIGHT buttons.



- * Select one of the 3 modes below.
- ♠ ATW(Auto Tracking White Balance): This mode can be used within the colour temperature range 1,800°K ~ 10,500°K (eg, fluorescent light, outdoor, sodium vapour lamp etc.)
- AWC(Auto White Balance Control): Press the SET button while the camera is directed at a piece of white paper to obtain the optimum state under current illumination. If the environment, including the light source, changes the white balance will need to be adjusted again.
- ♠ MANUAL: The manual adjustment mode enables finer adjustment. Select ATW or AWC first then change to manual adjustment mode and press the SET button. Set the appropriate colour temperature then increase / decrease the red and blue colour values and monitor the color changes of the object.



- Under the following conditions the WHITE BALANCE function may not operate properly. In such cases, please select the AWC mode.
- ① When the object's surroundings have a very high colour temperature (eq. a clear sky and sunset)
- 2 When the object's surroundings are dark
- ③ If the camera directly faces a fluorescent light or is installed in a place where there are considerable changes in illumination, the WHITE BALANCE function may become unstable.

BACKLIGHT(Back Light Compensation)

When there is a strong backlight behind the object, clear images of the background as well as the object can still be obtained by using the BACKLIGHT function.

- 1. Position the cursor to point to 'BACKLIGHT' on the SETUP menu by using the UP and DOWN buttons.
- 2. Select the value required by pressing the LEFT or RIGHT button.

SETUP	
LENS	MANUAL
SHUTTER	ESC 👍
WHITE BAL.	ATW
▶ BACKLIGHT	OFF
AGC	LOW ₄i
DNR	LOW

HIGH : The gain increases from 0dB up to 42dB.
 MIDDLE: The gain increases from 0dB up to 30dB.
 LOW : The gain increases from 0dB up to 18dB.
 OFF : BACKLIGHT function does not operate.





BACKLIGHT ON

BACKLIGHT OFF

AGC (Auto Gain Control)

- Position the cursor to point to 'AGC' on the SETUP menu by using the UP and DOWN buttons.
- Select the value required by pressing the LEFT or RIGHT button. As the level of gain increases the screen gets brighter but the level of noise will also increase.

♦ HIGH : The gain varies between the range of 6dB ~ 42dB.
 ♦ MIDDLE : The gain varies between the range of 6dB ~ 30dB.
 ♦ LOW : The gain varies between the range of 6dB ~ 18dB.

OFF: The gain is fixed at 6dB.

SETU	P
LENS	MANUAL
SHUTTER	ESC 🚜
WHITE BAL.	ATW
BACKLIGHT	OFF
▶ AGC	LOW↓
DNR	LOW
SENS-UP	OFF
SPECIAL 🕹	
EXIT	

DNR (Digital Noise Reduction)

The level of background noise in low light decreases automatically as the level of gain changes.

- Position the cursor to point to 'DNR' on the SETUP menu by using the UP and DOWN buttons.
- 2. Select the value required by pressing the LEFT or RIGHT button.

SETU	JP
LENS	MANUAL
SHUTTER	ESC 🚜
WHITE BAL.	ATW
BACKLIGHT	OFF
AGC	LOW⋅
▶ DNR	LOW
SENS-UP	OFF
SPECIAL	

OFF: There is no reduction in noise level.

♦ LOW : There is a small reduction in noise level with almost no

ghost image.

♠ MIDDLE : The most effective mode. There is a sufficient reduction

in noise levels without causing significant ghosting.

♦ HIGH : The level of noise is reduced greatly, however there is an

increase in ghosting.

Note

• When AGC is turned off, DNR does not operate.

SENS UP (Low illuminance)

SENS UP helps maintain a bright, clear screen image by automatically detecting changes in the level of light in low light level conditions.

- Position the arrow to point to 'SENS UP' on the SETUP menu by using the UP and DOWN buttons.
- 2. Select the value required by pressing the LEFT or RIGHT button.

AUTO : Low light level automatic mode.OFF : The function does not operate.



• When SHUTTER is in the manual or flk mode, SENS UP does not operate.

• When AGC is turned off, SENS UP does not operate.



3. Press the SET button when all the settings are complete.



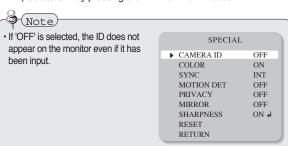
- The maximum storage magnification in low light level movement situations can be adjusted by pressing the SET button in 'AUTO' mode.(X2~X128)
- As the magnification increases the screen gets brighter; however the after image also increases.
- If storage magnification is increased while SENS UP is operational, it may cause noise and spots may appear; this is normal.

SPECIAL

- Position the cursor to point to 'SPECIAL' on the SETUP menu by using the UP and DOWN buttons.
- 2. Select the mode required by pressing the UP or DOWN button.



- CAMERA ID: If an ID is input, this camera ID appears on the monitor and recorded footage.
 - 1) Position the cursor to point to 'CAMERA ID' by using the UP or DOWN button.
 - 2) Select 'ON' by pressing the LEFT or RIGHT button.



3) Press the SET button.



- 4) Up to 15 characters can be used for the camera ID.
- ① Move the cursor to the letter required by using the UP and DOWN button.

Camera ID

ABCDEFGHIJKLM

NOPQRSTUVWXYZ

abcdefghijklm

nopqrstuvwxyz

-. 0123456789

←→ CLR POS END

- ② Select an ID from A,B~Y,Z, a,b~y,z, 0,1~8,9 by using the UP, DOWN, LEFT and RIGHT buttons.
- 3 Lock in the characters by using the SET button.
- Once locked in the cursor moves to the next space in the ID.
- 4 Repeat the above steps until the ID is complete.



· If the wrong name has been input.....

Press the SET button after moving the cursor to CLR and all the letters will be erased. If you want to correct a letter move the cursor to the arrow at the bottom left of the screen and press 'SET'.

Position the cursor above the letter you wish to correct and then move the cursor onto the letter you wish to choose and press the SET button.

- 5) When the camera ID is complete, select a position for the name to be displayed.
- 1) Move the cursor onto 'POS' and then press the SET button.



② The ID will appear in the top left corner.



③ Select the position where the ID is to be displayed by using the 4 directional buttons, and then press the SET button.



6) Select 'END' and press the SET button to complete ID input.

COLOR

- AUTO: This camera has an IR Cut Filter and automatically changes to the appropriate mode dependant on lighting levels. COLOR mode is selected during daylight and B/W mode at night time.
- ON : The color mode is selected by default, and the modes do not change automatically.



- · When the AGC is turned off, COLOR does not operate.
- · When an infrared light is used, there may be a problem with focusing.
- SYNC: Two sychronisation modes are available, INTERNAL and EXTERNAL LINE-LOCK. In LINE-LOCK mode, it synchronises the video signal between cameras without a synchronous generator. The line-lock synchronisation is only used in areas of 60Hz (NTSC Models) / 50Hz (PAL Models).
 - INT: Internal synchronisation
 - LL : External line-lock synchronisation
 - If DLOs selected, it can be adjusted to the desired phase.
 Press the SET button.
 - · Adjust to the desired phase from 0 to 359.





- When the mains frequency is 50Hz, the line-lock mode (NTSC Models) cannot be used.
- \cdot When the mains frequency is 60Hz, the line-lock mode (PAL Models) cannot be used.
- · ŜyncÕnode is fixed to ÔNTÕn DC12V input power

○ MOTION DETECTION:

This product has a feature that allows you to observe movements of objects in 4 different areas on the screen, and the words 'MOTION DETECTED' appear on the screen when movement is detected; hence a single individual can conduct supervision efficiently. The camera detects an object's movement by sensing disparity of outline, and level of brightness and color.

- Please press the SET button.
- OFF: MOTION DETECTION mode is cancelled.
- ON: Any motion in the selected areas is observed.
- Please select the area you wish to observe from the 4 areas in AREA SEL mode.
- Please select ON mode for the chosen area.
- Please adjust the size of the area to be observed by using the UP, DOWN, LEFT or RIGHT button.



- Please press the SET button to save the changes and complete the setting.
- PRIVACY: This mode conceals the areas you do not wish to appear on the screen.
- OFF : Cancels the PRIVACY mode. ON : Operates the PRIVACY mode.
- Please press the SET button.



- Please select the area you do not wish to appear from the 4 areas in AREA SEL mode.
- Please select ON mode for the chosen area.
- Please adjust the size of the area to be concealed by using the UP, DOWN, LEFT or RIGHT button.

- ON : Sets a horizontal image inversion.
- OFF : Cancels the inversion.





MIRROR ON

MIRROR OFF

- ♦ SHARPNESS: The outline of the video image becomes cleaner and more distinctive as the level of SHARPNESS increases. If the level goes up excessively, however, it may affect the video image and generate noise.
 - · Please press the SET button.



- The available range of level is 0 ~ 31.
- ♠ RESET: Returns to the level which was set by the manufacturer for shipment.
 ♠ RETURN: Saves the SPECIAL menu and returns to the SETUP menu.

EXIT

Saves all the setting menus and then exits.

■ Troubleshooting

If there are problems with the camera operation, check the tables below. If the problem persists, please contact the agent who supplied the product.

Problems	Troubleshooting
Nothing appears on the screen.	Check the power connection. Check the video signal line connection. Check and make sure that the auto lens switch is correctly set to DC or VIDEO depending on the type of lens attached.
The video image is not clear.	Make sure that the lens is clean. Clean the lens with a clean lint free cloth or brush. Adjust the contrast control on the monitor. Make sure that the screen is not exposed directly to a bright light. Re-position the camera if necessary. Re-adjust the back focus of the camera.
The screen is dark.	Adjust the contrast control of the monitor. If there is an intermediate device, set the75ohm Hi-z correctly, and also check the connections. Check if an auto iris lens is being used and if necessary adjust the brightness level.
There is a problem with the camera operation. The camera surface is too hot and black stripes appear on the screen.	Please check if an appropriate power source to the camera complies with the manufacturer's standard requirement, or if the voltage is fluctuating. Check for ground loops.

Problems	Troubleshooting
The MOTION DETECTION function is not working.	Check if 'MOTION DETECTION' mode is turned on. 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. Check if an auto iris lens is being used. Check the connection of the lens connector cable.
L/L mode isn't able to be selected.	Have you connected your camera to DC power source? Connect it to AC power source.
L/L mode is not available.	Check the frequency of power supply (60Hz for NTSC, 50Hz for PAL).
COLOR 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 if the SHUTTER menu is set to MANUAL mode.

Digital Day&Night Color Camera 32 Digital Day&Night Color Camera

■ Specifications

ITEM		NTSC		PAL	
Power Source		AC24V / DC12V	DC12V	AC24V / DC12V	DC12V
,	ower Source	170mA(AC24V)/260mA(DC12V)	160mA	170mA(AC24V)/260mA(DC12V)	160mA
	Total Pixels	811(H) x 508	(V)	795(H) x 596(V)	
C	Effective Pixels	768(H) x 494(V)		752(H) x 582(V)	
Ď	Size	1/3	inch interlii	ne transfer CCD	
	Scanning System		2:1 ln	terlace	
s y n	Synchronization	INT/LL Selectable	IN IT	INT/LL Selectable	INIT
n C		0~359°(Adjustable)	INT	0~359°(Adjustable)	INT
	Frequency	Horizontal:15.734 KHz Vertic	cal :59.94 Hz	Horizontal: 15.625 KHz Vertica	al : 50.00 Hz
	Resolution		540 T\	/ Lines	
	Video Output	1.0Vp-p/75 (Video 0.714Vp-p Sync 0.286Vp-p) 1.0Vp-p/75 (Video 0.7 Vp-p Sync 0.3 Vp-		c 0.3 Vp-p)	
	S/N (Y signal)	50dB (AGC Off)			
Е	Min. Illumination	0.3Lux/F1.2(Color), 0.1Lux/F1.2(B/W), 0.002Lux(Sens-up)			
Ĺ	Color	ON/AUTO			
E	Gain Control	OF	F/LOW/N	MIDDLE / HIGH	
T R	White Balance	ATW / AW	C / MANUA	AL(1,800°K~10,500°K)	
Ï	Electronic Shutter Speed	AUTO / MANUAL(1/60~1	/120,000)	AUTO / MANUAL(1/50~1/120,000)	
C A	Sens-Up		OFF /	AUTO	
L	O.S.D		Bui	ilt-in	
	Motion Detection	ON/	OFF (4 Pro	grammable Zone)	
	DNR	OFF/LOW	/ MIDDLE /	/ HIGH(Noise Reduction)	
	Mirror	Built-ir	(Horizonta	I Image Inversion)	
	Privacy Function	ON / OFF (4 Programmable Zone)			
	Iris Control	DC / VIDEO			
Lens Mount C/CS Mount (Screw Lock)					
	Operating Temperature/Humidity $-10^{\circ}\text{C} \sim +50^{\circ}\text{C} / 30 \sim 90\% \text{ RH}$				
Weig	Weight 340g				

Digital Day&Night Color Camera 34

MEMO ■



CLINTON Electronics