SEE932 Internal 1080P Covert PIR Camera

The PIR camera is mounted on an adjustable camera bracket and the camera lens looks through a small hole in the PIR. This PIR camera provides excellent daytime pictures but will need additional lighting for night use.

Main Features:

Multiple HD 1080P formats TVI, AHD and CVI plus CVBS (Analogue) 700TVL 3.7mm MegaPixel pinhole lens Sens-Up (NiteDevil) feature for low light levels Privacy masking & Motion Detection displays WDR (Wide Dynamic Range) facility Coaxitron facility for UTC menu control Full OSD menu



NOTE: The SEE932 has no PIR functionality

Mounting the Camera

The camera is supplied with an adjustable bracket and screws. Screw the bracket to the wall and slot the back of the camera onto the adjuster. The adjuster has a ball joint enabling the camera to be set to the required position.





Powering the Camera

The SEE932 draws 12V DC 92mA. In order to cater for this additional headroom it is recommended to use a 12vDC 150mA regulated power supply minimum, to maintain a normal power supply lifetime. The camera is provided with a fly lead with a mini power 2.1mm DC socket. The camera is polarity sensitive so connections must be correctly made.

SEE932 Full HD Covert PIR Camera (TVI/AHD/CVI/CVBS)

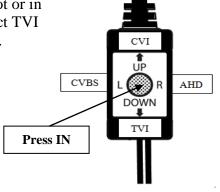
Connecting the camera to control equipment

The PIR camera comes with a fly lead containing a joystick controller for menu access, a power lead with 2.1 jack connector and a video lead for TVI/CVI/AHD and CVBS video formats with black BNC connector. The CVBS mode is the standard analogue connection and the others, versions of HD. Connect the HD camera to control equipment via a female BNC-BNC lead. When using a co-ax type cable such as RG59 or similar, the outer braid of the co-ax provides the "0V GROUND" connection and the inner core provides the "Video" connection. The (CVBS) option is primarily available for use with older analogue equipment or for setup using an analogue monitor.

These cameras can be viewed in TVI, AHD, CVI or CVBS modes. To select a mode first power the camera up when it is connected to a monitor or DVR and monitor, and see if the required format displays a colour picture. If not or in black and white, move the joystick button down for <u>5 seconds</u> to select TVI mode, left for CVBS (analogue) mode, right for AHD and up for CVI.

(Note that picture may be in b/w in low light levels).

When you are in correct format, press the joystick button in, momentarily, if you wish to access the menu.



OSD Menu

The SEE932 has an on screen display menu. This can be accessed using the joystick on the camera.

Press the centre button **IN** (see arrow) to enter the menu and use Left, Right, Up and Down to move through and amend menu settings.

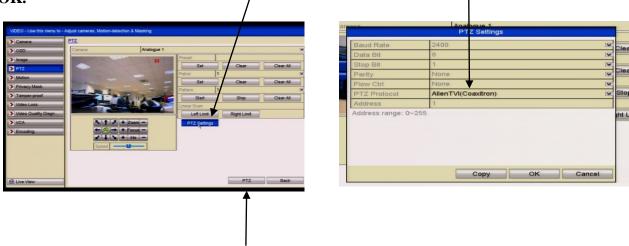
Alternatively use the TVI DVR PTZ menu as detailed in "Menu Access via DVR" below.

Note: The menu system used in this camera is generic and therefore may have features that the PIR camera does not support. This is not a fault.

Menu Access via TVI DVR using Coaxitron

Access to the camera menu is via the menu buttons on the camera or via the Up the Co-ax connection. Access by the menu buttons is described below. To use the Up The Coax connection, this can be accessed using the PTZ menu in the MEGA TVI or MAX TVI DVRs using the AlienTVI(Coaxitron) protocol. This protocol is generally set in the PTZ Settings menu as default but if not, select using the following:

Enter the DVR **Menu**, click on **Video**, **PTZ** and **select the channel** number of the TVI camera connected to the DVR. Then click on **PTZ Settings** and select **AlienTVI**(**Coaxitron**) and click **OK**.



Now click on the **PTZ** button at the bottom of the screen and a full screen picture will be displayed with the PTZ control menu. Click on the **IRIS**+ button to display menu



Use the directional arrows to move up and down or left or right to select options.

OSD Menu

The following menu display is shown:

	MAIN MENU			
2. 3. 4.	LENS EXPOSURE BACKLIGHT WHITE BAL	MANUAL OFF ATW		
	DAY & NIGHT NR SPECIAL ADJUST EXIT	SAVE & END		

	MANUAL	Leave setting on Manual as fixed board lens fitted
LENS	DC 🎝	N/A
EXPOSURE 🕹	SHUTTER	AUTO- 1/25,1/50,FLK,1/200,1/400,1/1000,1/2000,1/5000, 1/10000,1/50000, x2/x4/x6/x8/x10/x15/x20/x25/x30
EAI OSURE	AGC	0 ~ 15
	SENS-UP	OFF – AUTO
		x2,x4,x6,x8,x10,x15,x20,x25,x30
	BRIGHTNESS	1 ~ 100
	D-WDR	ON LEVEL 0 ~ 8
		RETURN
	DEFOG	OFF – AUTO 🤳
		POS / SIZE 🖊
		GRADATION 0 ~ 2 DEFAULT ┛
		RETURN J
	RETURN	121014
BACKLIGHT	OFF	BLC J
2.101121011		LEVEL _Middle / High / Low
		AREA
		POS / SIZE DEFAULT ↓
		RETURN 5
		HSBLC →
		SELECT Area 1 ~ 4
		DISPLAY ON J Pos / Size BLACK MASK ON / OFF
		LEVEL 0 ~ 100
		MODE NIGHT ↓
		AGC LEVEL 0 ~ 255
		ALL DAY DEFAULT
		RETURN F

WHITE BAL	ATW AWC → SET ↓ INDOOR OUTDOOR MANUAL ↓ AWB	MANUAL WB BLUE 0 ~ 100 RED 0 ~ 100 RET
DAY&NIGHT	EXT 🎝	D & N EXT D → N (DELAY) 0 ~ 60 Default 3 N → D (DELAY) 0 ~ 60 Default 3 RETURN ✓
	AUTO ✓	D & N AUTO D → N (AGC) 1 ~ 255 Default 200 D → N (DELAY) 0 ~ 60 Default 1 N → D (AGC) 1 ~ 255 Default 80 N → D (DELAY) 0 ~ 60 Default 1 RET →
	COLOR B&W ₄	B/W BURST OFF/ON IR SMART ON Level 0~15 Default 3
		Area Pos / Size Ret RETURN RET
NOISE REDUCTION	NR ↓	N R 2 D N R Middle / High / Off / Low 3 D N R Middle / High / Off / Low RET
SPECIAL	CAM TITLE OFF / ON ◆ D-EFFECT ◆	<pre>< > CLR POS END D - EFFECT FREEZE OFF / ON (Mirror option suppressed) MIRROR OFF / MIRROR / V-FLIP / ROTATE NEG. IMAGE OFF / ON</pre>
	MOTION OFF/ON	RET MOTION SELECT AREA 1 ~ 4 DISPLAY ON SENSITIVITY 0 ~ 100 COLOR GREEN / BLUE / WHITE / RED TRANS 1.00 / 0.75 / 0.25 / 0.00 ALARM VIEW TYPE OFF / BLOCK / OUTLINE / ALL OSD VIEW ON / OFF ALARM OUT ON / OFF TIME 0 ~ 15 RET DEFAULT RET

SPECIAL CONTINUED	PRIVACY OFF/ON ✓	PRIVACY SELECT AREA 1~4 DISPLAY OFF/MOSAIC //INV //COLOR / POSITION/SIZE/AGAIN COLOR WHITE/BLACK/RED/BLUE/YELLOW GREEN/CYAN/USER TRANS 1.00/0.25/0.50/0.75 DEFAULT / RET /
	LANGUAGE	ENG / CHN1 / CHN2 / GER / FRA / ITA / SPA / POL RUS / POR / NED / TUR
	DEFECT •	DEFECT LIVE DPC ON / OFF AGC LEVEL 0 ~ 255 LEVEL 0 ~ 100 RET / WHITE DPC OFF / ON / POS / SIZE RET / (Close Iris then enter) DPC VIEW OFF / ON LEVEL 1 ~ 100 AGC 0 ~ 14 SENS-UP x2/x4/x6/x8/x10/x15/x20 x25/x30 RET / BLACK DPC OFF / ON / POS / SIZE RET START / (Close Iris then enter) DPC VIEW OFF / ON LEVEL 1 ~ 100 RET / RET / RET / RET /
	RS485 🗸	RS485 N/A CAM ID 0 ~ 255 ID DISPLAY OFF / ON (H)
	RETURN RET ◀	(Use arrows to move display) BAUDRATE 2400 / 4800 / 9600 /19200 / 38400 RET

ADJUST	SHARPNESS	OFF / AUTO LEVEL 0 ~ 10 START AGC 0 ~ 255 END AGC 0 ~ 255 RET
	MONITOR LSC ON/OFF VIDEO OUT	LCD GAMMA USER / 0.45 / 0.50 / 0.55 / 0.60
	RETURN RET	
EXIT	SAVE & END	Exit saving menu changes
Use right arrow to select "Save & End", "Reset" or "Not Save"	RESET J NOT SAVE J	Reset camera menu default settings Exit menu without saving changes

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Menu Description

The following menu description gives more in depth information about the menu options. In some instances recommendations are made to hopefully enhance the results. However every installation will be different and there will occasions when alternative solutions may be more suitable.

	MANUAL	Leave setting on Manual as fixed board lens fitted
LENS	DC 🞝	N/A

EXPOSURE J	SHUTTER	AUTO- 1/25,1/50,FLK,1/200,1/400,1/1000,1/2000,1/5000, 1/10000,1/50000, x2/x4/x6/x8/x10/x15/x20/x25/x30
·	AGC	0 ~ 15
	SENS-UP	OFF – AUTO 🤳
		x2,x4,x6,x8,x10,x15,x20,x25,x30
	BRIGHTNESS	1 ~ 100
	D-WDR	ON J
		LEVEL 0~8 RETURN_
	DEFOG	OFF – AUTO POS / SIZE
		GRADATION 0 ~ 2
		DEFAULT 🎜
		RETURN J
	RETURN	- · · · ~

SHUTTER Auto / Manual

AUTO-1/25,1/50,FLK,1/200,1/400,1/1000,1/2000,1/5000, 1/10000,1/50000, x2/x4/x6/x8/x10/x15/x20/x25/x30

Shutter speed changes allow you to freeze moving objects without ghosting but reduce the amount of available light the faster the shutter operates. At night the slower the shutter speed the more light is available. The Flicker option sets the shutter speed at 1/250 that synchronises with fluorescent tubes so that the pulsing effect is minimised.

Recommendation is to leave this in Auto.

AGC
$$1 \sim 15$$
 (Default = 15)

For better performance in low light conditions the AGC (Automatic Gain Control) can be increased. This has the effect of making the picture brighter but it may also add more noise as it amplifies all aspects of the video signal.

Recommend AGC is decreased below 15 if Sensup is increased over x2.

The Sens-Up option allows the shutter speed to be reduced allowing additional light to be captured. Increasing brightness helps night time viewing (see BRIGHTNESS setting above). If set too high and Sensup is slowing shutter speed down to a lower speed than any movement speed, ghosting can occur. **Recommend that Sensup is switched on to x8 or above in low light conditions.**

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BRIGHTNESS $1 \sim 100$ (Default = 54)

Use this setting to increase brightness by opening camera iris. Useful for improving night time viewing by using in conjunction with the Sens-Up option. However be aware to consider possible effects when there is strong sunlight in summer that if setting brightness to high it may cause the picture to white out.

Recommendation is to set brightness to 75.

D-WDR (**Digital Wide Dynamic Range**) **LEVEL 0 ~ 8** (Default = 2)

WDR is used for surveillance applications where there is a large difference in foreground and background light levels. This is typical in homes and office buildings that have large areas of glass with direct sunlight outside. Without the option switched on, views by cameras looking through windows may not give good reproduction outside. Also where there are areas of shadow and bright sunlight, the WDR option helps to balance light levels.

Recommend using WDR where balancing light levels in warehouses or large buildings is difficult.

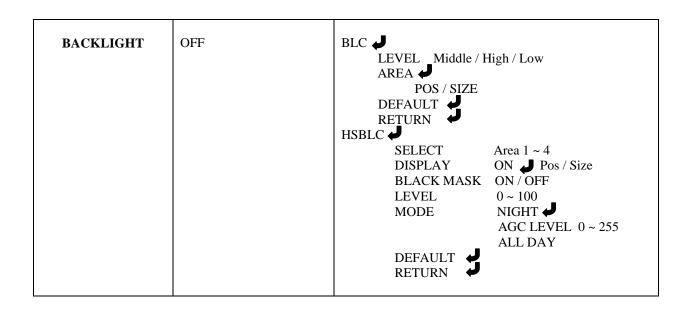
DEFOG JOFF – AUTO J

The defog option can be used to improve the captured image in poor weather conditions such as smog, fog or smoke. Three levels of optimisation can be applied using the gradation, 0 = low, 1 = middle or 2 = high. This option is also useful to stabilise rapid fluctuating light levels. You need to set the position and size of the area. By default the whole screen is covered but if just an area is required, use the size option first to create a box and then use the position to position it using the controller arrow keys. Use default to default this option.

Recommend setting this option to On

RETURN

Return to main menu.



Backlight Compensation when set, can balance light levels during day and night so that light hitting objects viewed, is evenly spread across the picture. There are two options BLC and HSBLC that can be selected.

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Backlight BLC J

(Backlight Compensation)

BLC is the standard setting for adjusting light level differences. The level settings provides an option for selecting low, middle or high. Select an area where BLC is required. Using the Position and Size settings selecting boxes where light balancing is required. Work from top to bottom and from left to right. Clicking on Default will default this menu option only.

HSBLC 🤳

(High Sensitivity Backlight Compensation)

HSBLC is high level backlight compensation that will darken a bright area e.g car headlights. This can be set for all day or night only. The lower the level the more compensation is applied. Note that using the night option may be best as daytime pictures generally give a more even spread of light apart from sunlight issues.

Return

Return to main menu

WHITE BAL	ATW AWC→ SET INDOOR OUTDOOR	
	MANUAL 🗸	MANUAL WB
		BLUE 0 ~ 100 Default 50
		RED _0 ~ 100 Default 50
	AWB	RET ←

The White Balance feature automatically adjusts the colour settings in the camera to match the type of light available, so that white and other colours appear as natural as possible.

ATW

This option is generally used to set white balance when camera is used externally.

AWC → SET J

Press IRIS+ or joystick centre button down

This option allows you to set white balance using current light levels. Settings will only change when you press IRIS+ or joystick centre button down.

INDOOR

This option is generally used to set white balance when camera is used internally.

OUTDOOR

This option is generally used to set white balance when camera is used externally.

MANUAL WB

This option allows you to set white balance using manual settings.

AWB

Auto White Balance is best suited for indoor camera use where light level changes are rare.

Recommend using AWB rather than ATW.

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DAY&NIGHT	EXT ↓	D & N EXT D → N (DELAY) 0 ~ 60 Default 3 N → D (DELAY) 0 ~ 60 Default 3 RETURN ✓
	AUTO 🗸	D & N AUTO D → N (AGC) 1 ~ 255 Default 200 D → N (DELAY) 0 ~ 60 Default 1 N → D (AGC) 1 ~ 255 Default 80 N → D (DELAY) 0 ~ 60 Default 1 RET ◆
	COLOR	
	B&W ↓	B/W BURST OFF/ON IR SMART ON
		Level 0 ~ 15 Default 3 Area
		Pos / Size Ret
		RETURN RET 🤳

The Day & Night menu, controls light settings, and predominantly provides options for using the cameras' Infra-Red facilities. There are four sub-options External, Auto, Colour and B/W.

EXTERNAL J

This option does not use the internal CDS sensor to measure the available light. With cameras using their own IR light source, this option can give the best results. Note that this option has an adjustment for setting a delay factor from day to night and from night to day to provide more appropriate settings for respective locations.

AUTO 🤳

The standard Auto function uses the internal CDS to measure available light. This option uses AGC (Automatic Gain Control) and the delay time to adjust picture quality when switching from day to night and from night to day.

Recommend to use this option.

COLOUR

This option will remain in colour mode day and night. There are no sub menu settings. This will only be applicable when light levels at night are above 4 lux.

B&W ┛

When this option is selected the camera will remain in black and white mode, day and night. The only sub menus available are Burst and IR Smart. When burst is switched on it adds the colour burst info from the camera. If the IR Smart option is switched on you can select an area size and position so that the intensity of the camera's infrared LEDs compensate for the distance of an object so that the infrared does not overexpose the object. This is useful to solve the problem of infrared LEDs whiting out images, such as people's faces, when they are too close to the IR LEDs.

Return

Return to main menu.

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DIGITAL NOISE REDUCTION	NR 🗸	NR 2DNR	Middle / High / Off / Low
		3 D N R RET ↓	Middle / High / Off / Low

DNR Off / Low / Middle / High

Digital Noise Reduction is generally applied when the Sens-Up feature is used to improve night time views in low light conditions. Using the Sens-Up option slows the shutter speed but this increases noise and causes grainy picture effects. DNR helps to minimise this effect. The options low, middle and high, apply different levels of noise reduction and therefore have to be tested to gain the best result as light levels will be different at every site and location.

2DNR

The 2DNR option which is two dimensional digital noise reduction analyses single frames individually to find pixels that are likely to represent noise and benefits are predominantly obtained on moving objects.

3DNR

The 3DNR option which is three dimensional digital noise reduction analyses previous and current frames to identify pixels that are likely to represent noise and benefits are predominantly obtained on static objects.

Therefore setting both options in this camera should provide the best result.

Recommend to leave these options both set to middle when Sense-Up is on.

SPECIAL	CAM TITLE OFF / ON ✔	CAM TITLE
SIECIAL	CAN TITLE OIT / ON P	< > CLR POS END
	D-EFFECT 🌙	D - EFFECT
		FREEZE OFF / ON (Mirror option suppressed)
		MIRROR OFF / MIRROR / V-FLIP / ROTATE
		NEG. IMAGE OFF / ON
	_	RET ↓
	MOTION OFF/ON ℯ	MOTION
		SELECT AREA 1 ~ 4
		DISPLAY ON 🗸
		SENSITIVITY 0~100
		COLOR GREEN / BLUE / WHITE / RED
		TRANS 1.00 / 0.75 / 0.25 / 0.00
		ALARM
		VIEW TYPE OFF / BLOCK / OUTLINE / ALL
		OSD VIEW ON / OFF
		ALARM OUT ON / OFF
		TIME 0 ~ 15
		RET
		DEFAULT J
		KEI 🕶

	_	
SPECIAL	PRIVACY OFF / ON 🎝	PRIVACY
CONTINUED		SELECT AREA 1 ~ 4 DISPLAY OFF / MOSAIC ♣ / INV ♣ / COLOR ♣
		POSITION / SIZE / AGAIN
		COLOR WHITE / BLACK / RED / BLUE / YELLOW
		GREEN / CYAN / USER
		TRANS 1.00 / 0.25 / 0.50 / 0.75
		DEFAULT 🗸
		RET →
	LANGUAGE	ENG / CHN1 / CHN2 / GER / FRA / ITA / SPA / POL RUS / POR / NED / TUR ✔
	DEFECT 🗸	DEFECT _
	BLI LCI 🗸	LIVE DPC ON / OFF
		AGC LEVEL 0 ~ 255
		LEVEL 0 ~ 1 <u>0</u> 0
		RET ←
		WHITE DPC OFF / ON C
		POS / SIZE PRET START PRET PRET
		(Close Iris then enter)
		DPC VIEW OFF / ON
		LEVEL 1 ~ 100
		AGC 0~14
		SENS-UP x2/x4/x6/x8/x10/x15/x20
		x25/x30 RET ≠
		BLACK DPC OFF / ON J
		POS / SIZE RET
		START 🌙
		(Close Iris then enter)
		DPC VIEW OFF / ON
		LEVEL 1 ~ 100 RET
		RET J
	RS485 🖊	RS485 N/A
		CAM ID 0 ~ 255
		ID DISPLAY OFF / ON
		(Use arrows to move display) BAUDRATE 2400 / 4800 / 9600 / 19200 / 38400
		RET J
	RETURN RET 🗸	

CAM TITLE ON **J** / OFF

CAM TITLE

⇔ CLR POS END

Use the camera joystick or coaxitron PTZ control option in DVR to enter up to a 15 character camera name. Use the arrow keys on the joystick/PTZ control to move to character required and press the joystick button in or the IRIS+ button using the PTZ control, to select the character required. To move to the correct character position, use the arrow keys to move to the left or right arrow on the line above the camera title and press joystick button in or IRIS+ button using the PTZ control. The same procedure can be used to clear (CLR) the title, position (POS) the title on the camera display screen and set the option using the (END) option.

D-EFFECT OFF / ON -

The digital Effect menu provides an option to freeze the picture but does not allow the Mirror option to be selected once picture is frozen.

FREEZE OFF / ON (Mirror option suppressed)

Freezes camera picture.

MIRROR OFF / MIRROR / V-FLIP / ROTATE

Change picture for mirror effect, vertical flip or rotate.

NEG. IMAGE OFF / ON

Changes to negative picture.

MOTION OFF / ON ✓

This camera has a motion detection option that will display MOTION DETECTED whenever the camera detects movement within a specified area. Up to four separate areas can be created using the position and size parameters in four coloured boxes. These boxes can be individually set to display smaller coloured squares that will track movement. This does not replace the motion detection option in the DVR.

SELECT AREA1 / AREA2 / AREA3 / AREA4

Select an area.

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DISPLAY ON **J** / OFF

Select ON to set position and size of Area selected. Recommend setting size first then position. You use the arrow keys on controller and press enter to accept, or IRIS+ button if using DVR PTZ control. Press RET to return to menu or AGAIN to re-enter the position and size settings.

SENSITIVITY $0 \sim 100$ (Default = 64)

This sets the sensitivity of the motion detection. The higher the value the more sensitive it is.

COLOUR GREEN / BLUE / WHITE / RED

Use this option to select the colour of the box.

TRANS 1.00 / 0.75 / 0.25 / 0.00

This option sets transparency level of coloured box.

ALARM 4

This option applies the view parameters when motion is triggered applying all, blocking or outline facility.

VIEW TYPE ALL / OFF / BLOCK / OUTLINE

OSD VIEW ON / OFF (switches off on screen display)

ALARM OUT ON / OFF (switches off alarm)

TIME $0 \sim 15$ (Default = 3) (Alarm display time in seconds)

RET **J**

PRIVACY OFF / ON J

The privacy option allows you to overlay up to four areas of the picture to mask video that may be classified as intrusive or obtrusive. Up to four different coloured boxes can be created and used to mask the picture.

SELECT AREA1 / AREA2 / AREA3 / AREA4

DISPLAY COLOR **✓**

Set position and size of Area selected. Recommend setting size first then position. You use the arrow keys on controller and press enter to accept, or IRIS+ button if using DVR PTZ control. Press RET to return to menu or AGAIN to re-enter the position and size settings.

COLOR WHITE / BLACK / RED / BLUE / YELLOW

Set area colour GREEN / CYAN / USER

TRANS 1.00 / 0.25 / 0.50 / 0.75

Sets transparency level of coloured box.

DEFAULT **J**

Defaults this menu

RETURN RET↓

Return to previous menu

LANGUAGE ENG J CHN1 J CHN2 J GER J FRA J ITA J SPA J POL J RUS J POR J NED J TUR J

Select the language and press enter on controller to accept, or the IRIS+ button if using DVR PTZ control, to change the menu into the correct language.

Languages are: English, Chinese 1, Chinese 2, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch and Turkish.

DEFECT

DPC is Dead Pixel Count. Lenses can use millions of pixels. A 2 MPX lens has 2,000,000 pixels. Often some of these pixels can fail and can display either white or black spots on the video display. This option suppresses dead pixels.

se	s dead pixels.		
	LIVE DPC	ON 🌙 / OFF	
		AGC LEVEL	$0 \sim 255$ Default = 64
		LEVEL	
		RETURN	
		TET OTH V	1.21
	WHITE DPC		ON J / OFF
	POS / SIZE		
	START		J
	DPC VIEW		OFF / ON
	LEVEL		$0 \sim 100 \text{ (Default} = 15)$
	AGC		$0 \sim 14 \text{ (Default} = 14)$
	SENS-UP		x2/x4/x6/x8/x10/x15/x20/x25
			x30 (Default = x8)
	RETURN		RET J
	BLACK DPC		OFF / ON 🤳
	POS / SIZE		4
	START		Į
	DPC VIEW		OFF / ON
	LEVEL		0 ~ 100
	RETURN		RET J
			•

RS485

There is no RS485 cable connection on this camera. Menu access is via TVI coaxitron and the menu controller attached to the camera.

RETURN RET

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ADJUST	SHARPNESS	AUTO / OFF LEVEL 0 ~ 10 START AGC 0 ~ 255 END AGC 0 ~ 255 RET
	MONITOR	LCD GAMMA USER / 0.45 / 0.50 / 0.55 / 0.60 0.65 / 0.70 / 0.75 / 0.80 / 0.85 0.90 / 0.95 / 1.00 BLUE GAIN 0 ~ 100 RED GAIN 0 ~ 100 RET CRT BLUE GAIN 0 ~ 100 RED GAIN 0 ~ 100 RET
	LSC	ON / OFF
	VIDEO OUT RETURN RET ✓	PAL / NTSC

SHARPNESS AUTO / OFF

This option adjusts the sharpness of the picture.

Recommend to set so no black outline around objects is displayed.

```
LEVEL 0 \sim 10 (Default = 7)
START AGC 0 \sim 255 (Default = 120)
END AGC 0 \sim 255 (Default = 255)
RETURN RET
```

MONITOR

LCD J / CRT J

Use this menu to set the colour of an LCD or CRT monitor.

```
LCD
GAMMA
             USER / 0.45 / 0.50 / 0.55 / 0.60
             0.65 / 0.70 / 0.75 / 0.80 / 0.85
             0.90 / 0.95 / 1.00
BLUE GAIN 0 \sim 100 (Default = 70)
             0 \sim 100 (Default = 70)
RED GAIN
RETURN
             RET 🗸
CRT
                      (Default = 50)
BLUE GAIN 0 \sim 100
             0 \sim 100
                       (Default = 50)
RED GAIN
             RET
RETURN
```

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LSC (Lens Shading Compensation) ON / OFF

Lens shading compensation describes the light fall-off observed, towards the edges of an image. Lens vignetting can be prevalent when light hits irregular angles such as railings.

VIDEO . OUT PAL / NTSC

PAL is the standard used in the UK.

RETURN RET

EXIT

Use right arrow to select "Save & End", "Reset" or "Not Save"

Exit saving menu changes

Reset camera menu default settings

Exit menu without saving changes

EXIT SAVE & END J Exit saving menu changes

RESET

Reset camera menu default settings

NOT SAVE → Exit menu without saving changes

SEE932 Camera Specifications

Image Sensor	1.28 " CMOS	Video Outputs	HD TVI / AHD / CVI
Resolution	1080p	Analogue TVL	CVBS 700 TVL
Day/Night	Anti IR lens coating – No TDN	IR Power	None included in this model
Min.Illumination	0.01 Lux	Power/Current	12v DC 92mA
Watts	1.1W	Power Supply	Recommended > 150mA regulated
Power Connector	2.1mm DC Jack	Lens	3.7 mm pinhole lens
Menu	Full OSD Menu via coaxitron	Viewing Angle	Viewing angle 72°
D-WDR	Wide Dynamic Range Off / 0 ~ 8	Backlight	BLC and HSBLC included
Dead Pixel Count	DPC black & white	Dimensions	66 (W) x 45 (D)x 113mm (H)
Colour	White	Build	Plastic Outer / bracket & screws
NiteDevil	Sens-Up option	IP Rating	N/A Indoor camera
Privacy Masking	Privacy Masking 4 areas	Mirror Option	Mirror / Flip / Rotate options
Motion Display	Motion display option included	Defog Option	Defog option included
Freeze option	Freeze option included	Audio	Not included in this model



WEE/CG0783SS

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