GEM™

Choice of colours suits most environments
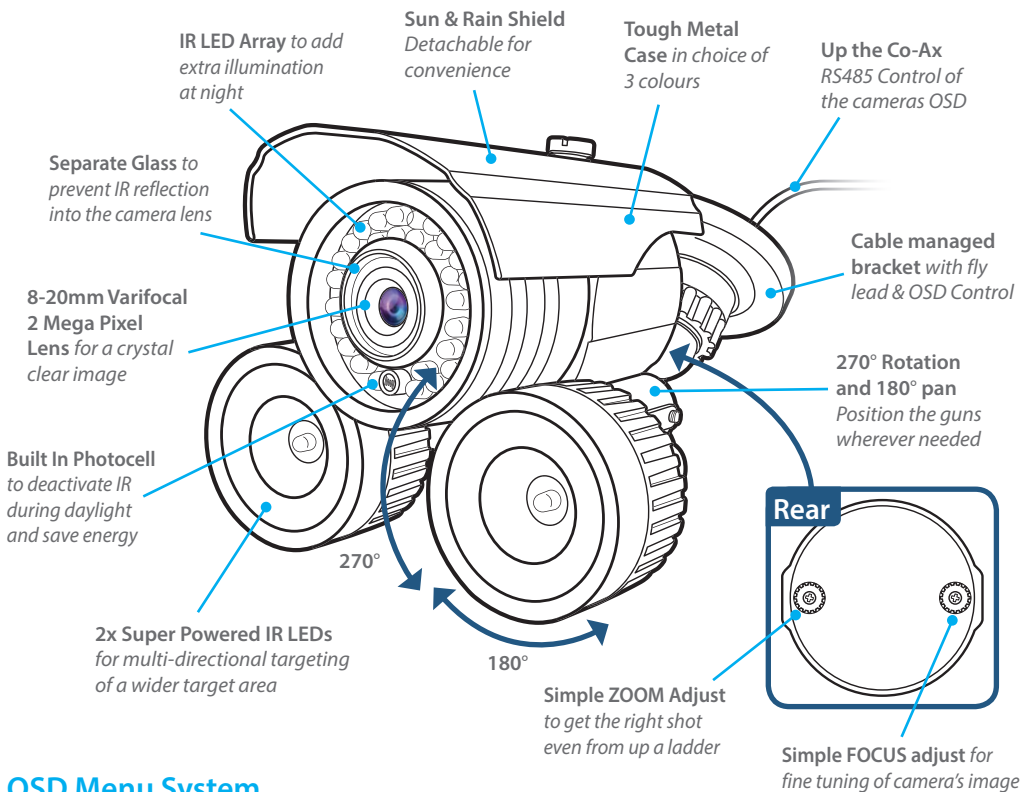
The GEM range of CCTV cameras represent great performance at great value. Anti-vandal IR camera with two additional high power "IR guns" helping the camera see up to an impressive 80m.

- External or Internal Use
- Cable Managed Bracket
- Wide Dynamic for Day-Night use

- 2 Directional IR Guns
- Tough Metal Case
- Up the CO-AX OSD control

& Digital Zoom, Privacy Masking, Motion Detect and more!

Quick Start Guide
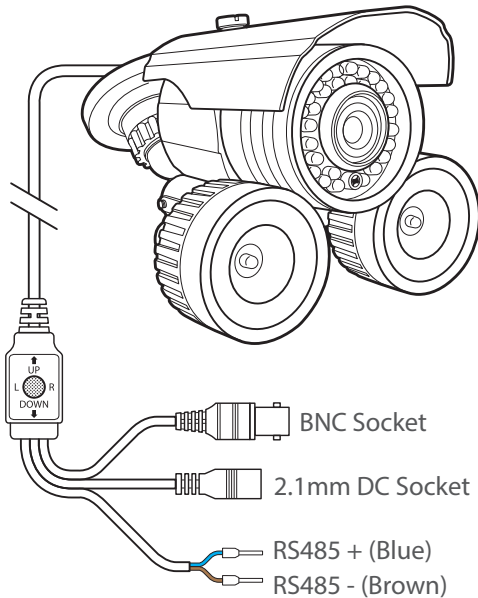
CAM892U - Key Features & OSD Menu

IR LED Array *to add extra illumination at night*

Sun & Rain Shield *Detachable for convenience*

Tough Metal Case *in choice of 3 colours*

Up the Co-Ax *RS485 Control of the cameras OSD*

Separate Glass *to prevent IR reflection into the camera lens*

Cable managed bracket *with fly lead & OSD Control*

8-20mm Varifocal 2 Mega Pixel Lens *for a crystal clear image*

270° Rotation and 180° pan *Position the guns wherever needed*

Built In Photocell *to deactivate IR during daylight and save energy*

270°

Rear

2x Super Powered IR LEDs *for multi-directional targeting of a wider target area*

180°

Simple ZOOM Adjust *to get the right shot even from up a ladder*

Simple FOCUS adjust *for fine tuning of camera's image*

OSD Menu System

MENU ITEM	SUB MENU	SUB MENU OPTIONS		
SCENE SELECT (FULL AUTO / INDOOR / OUTDOOR / BACKLIGHT / ITS / CUSTOM)	SHUTTER AGC	AUTO / MANUAL / FIX		
		AUTO:	1. AE LEVEL: 01~250 2. AGC MAX: 6~44.8DB	3. SENS UP: OFF / AUTO
		MANUAL: 1. SHUTTER: 256FLD~1/10000DB		2. AGC MAX: 6~44.8DB
		FIX:	1. SHUTTER: 256FLD~1/10000DB	2. AGC: 6~44.8DB
	WHITE BAL	ATW / PUSH / USER1 / USER2 / MANUAL / PUSH LOCK (DEPENDANT ON SCENE)		
		ATW:	1. SPEED: 000~255 2. DELAY CNT: 001~255 3. ATW FRAME: 001~255	4. ENVIRONMENT: AUTO / INDOOR / SUNNY / SHADE
		USER1:	1. B-GAIN: 0~255	2. R-GAIN: 0~255
		USER2:	1. B-GAIN: 0~255	2. R-GAIN: 0~255
		MANUAL: 1. LEVEL: 00~63		
	HLC/BLC	OFF / HLC / BLC		
		HLC:	1. CLIP LEVEL: 000~255	
	WDR/ATR-EX	ON:	1. CONTRAST: LOW / MID / HIGH	2. CLEAR FACE: OFF / LOW / MID / HIGH
	DNR		1. LEVEL: 0~6	
	DAY/NIGHT	AUTO / DAY / NIGHT		
		AUTO:	1. BURST: OFF/ON 2. CNTL SIGNAL: INT / EXT1 / EXT2 3. DELAY INT: 000~255	4. DAY→NIGHT: 000~255 5. NIGHT→DAY: 024~255
		NIGHT:	1. BURST: OFF/ON	

For a full glossary of terms, please see our wide range of on-line tips & advice guides

MENU ITEM	SUB MENU	SUB MENU OPTIONS	
SCENE SELECT	IR OPTIMIZER	OFF / ON	

		ON: 1. MODE: AUTO
		2. IR AREA: ----
		3. LEVEL: 0~12
		4. IR LED: DAY/NIGHT / OFF / FIX
		
		        DAY/NIGHT:
		        LEVEL MIN: 001~255
		        LEVEL MAX: 001~255
		
		        FIX:
		        LEVEL: 000~255
			5. COLOUR NIGHT: ON / OFF
			
			   ON: COLOUR GAIN: LOW / MID / HIGH
			6. IR SHADE COMP: ON / OFF
			
			   ON: PATTERN: SET1 / SET2 / SET3
			        POSH: 000~959
			        POSV: 000~578
			        LEVEL: OFF / LOW / MID / HIGH

	LENS SHD COMP	ON / OFF	
		ON: 1. PATTERN: SET1 / SET2 / SET3 2. POSH: 000~959	3. POSV: 000~578 4. LEVEL: OFF / LOW / MID / HIGH
	DEFOG	ON / OFF (DEPENDANT ON SCENE)	
		ON: 1. LEVEL: LOW / MID / HIGH	
	FLK LESS	AUTO / ON /OFF	
		AUTO: 1. MODE: SHUTTER FIX / GAIN CNTL	
		ON: 1. MODE: SHUTTER FIX / GAIN CNTL	
	ANTI CR	AUTO / ON / OFF	
PIC ADJUST		1. BRIGHTNESS: 000~255 2. CONTRAST: 00~63 3. SHARPNESS: 00~15	4. HUE: 000~127 5. COLOUR GAIN: 000~255
E-ZOOM		ON / OFF	
		ON: 1. MAG: 000~255 2. PAN: 512	3. TILT: 256
DIS		ON / OFF	

PRIVACY MASK		1. AREA SEL: 1~15
		2. DISPLAY: ON / OFF
		3. POSITION: EDIT POSITION &
		   SHAPE OF MASK
			4. COLOUR: RED / GREEN / BLUE / YELLOW
			   / CYAN / MAGENTA / WHITE / BLACK
			5. TRANSP: 0.00~1.00
			6. MOSAIC: ON / OFF (SET TRANSP TO 0.00)

MOTION DET		ON / OFF	
		ON: 1. DETECT SENSE: 000~127 2. INTERVAL: 000~127 3. BLOCK DISP: ON / OFF 4. MASK AREA: SET EXCEPTION ZONE 5. MOTION AREA: AREA SEL: 1~4	AREA MODE: ON / OFF TOP: 00~15 BOTTOM: 00~15 LEFT: 00~23 RIGHT: 00~23
SYS SETTINGS	SYNC MODE	1. INT	
	LENS	MANUAL / AUTO	
		AUTO: 1. TYPE: DC / VIDEO 2. MODE: AUTO / OPEN / CLOSE	3. ADJUST: AUTO IRIS ADJUSTMENT 4. SPEED: 000~255
	FLIP	1. OFF / V / H / HV	
	LCD/CRT	1. LCD / CRT	
	COMMUNICATION	1. PROTOCOL: PELCO-D 2. ADDRESS: 001~255 3. BAUDRATE: 2400~115200	4. DATA BIT: 8BIT 5. PARITY: OFF / ODD / EVEN 6. STOP BIT: 1BIT
	CAMERA ID	ON / OFF	
		1. ON: NAME CAMERA OR EDIT CAMERA NAME	
LANGUAGE		ENGLISH / SPANISH / RUSSIAN / PORTUGUESE / GERMAN / FRENCH / CHINESE / JAPANESE	
VERSION		FIRMWARE VERSION	
MAINTENANCE	IN PIX MASK (PIXEL MANAGEMENT)	MANUAL / AUTO / DATA CLEAR	

		MANUAL: 1. REGISTRATION: SET REGISTRATION
		        FOR DEAD PIXELS
		2. REG POINT: OFF / WHITE / BLACK
			3. CURSOR COLOUR: WHITE / BLACK / RED /
			   GREEN / BLUE
			4. BLINK: OFF / ON
			5. REG NUMBER: DISPLAYS REG NUMBER

		AUTO: 1. LEVEL 1: 000~255 2. LEVEL 2: 000~255	3. AUTO: RUN / BACK
	CAMERA RESET	1. CAMERA RESET / BACK	
EXIT		SAVE / NOT SAVE / CANCEL / BACK	

Visit AskTheCCTVExpert.com

CAM892U

Connections

UP
L R
DOWN

BNC Socket

2.1mm DC Socket

RS485 + (Blue)
RS485 - (Brown)

Other Products To Consider

REM088 - UTC Controller

In-line OSD controller allows you to configure the camera via the co-ax cable whilst next to the DVR.

POW802 - 1.5A 12V DC Plug-in PSU

Fully regulated 12V DC PSU. Ideal for IR cameras. 2.1mm DC Plug.

Specification

FUNCTION	SPECIFICATION
Image Sensor	1/3" SONY Super HAD II
Horizontal Resolution	720TVL
Effective Pixels	976(H) x 582(V)
Electronic Shutter Speed	Auto 1/50 ~1/100, 000Sec
Minimum Illumination	0.001Lux/F1.2 (0Lux IR On)
S/N Ratio	≥52dB
Video Output Level	1.0V p~p (75Ω, Composite)
Lens	8-20mm Varifocal
Focus	Manual
Lens Type	Manual
Pixels	2 Mega Pixel
IR LEDs	36 + 2 High Power IR Guns
IR Range	80m
OSD Menu Language	ENG, SPA, RUS, POR, GER, FRA, CHI, JAP

FUNCTION	SPECIFICATION
OSD Control	Up The Co-ax, RS485 & In-line Joystick
Sense-up	Auto
Wide Dynamic Range	Super Wide Dynamic Range
Backlight Compensation	BLC / HLC
White Balance	Auto / Manual
Gain Control	Auto / Manual
Noise Reduction	3D NR
Privacy Masking	15 Areas
Operating Temperature	-10°C ~ +50°
Supplied Voltage	12V DC ±10%
Current Consumption	1A
Dimensions	255 x 144 x 86mm
Weight	Approximately 1600g