



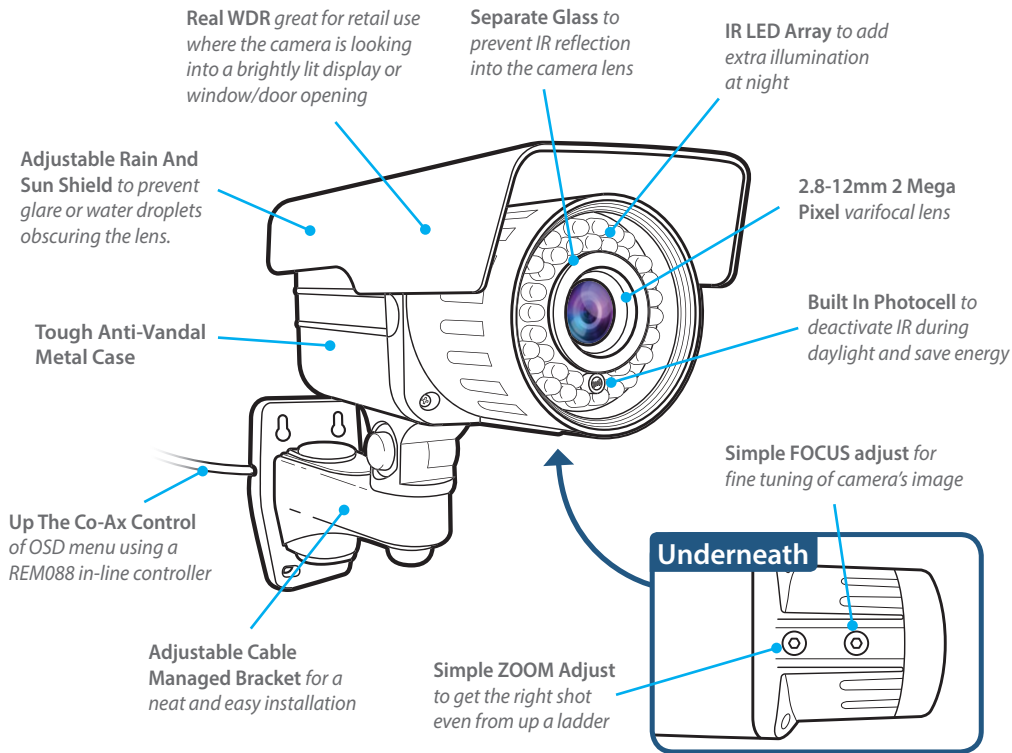
The GEM range of CCTV cameras represent great performance at **great value**. External all-in-one vandal proof IR camera with a 2.8-12mm 2 MegaPixel varifocal lens & real wide dynamic range.

- External or Internal Use
- Cable Managed Bracket
- Wide Dynamic for Day-Night use
- Separate IR LED array
- Tough Metal Case
- Up the CO-AX OSD control

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



# CAM837UG - Key Features & OSD Menu



## OSD Menu System

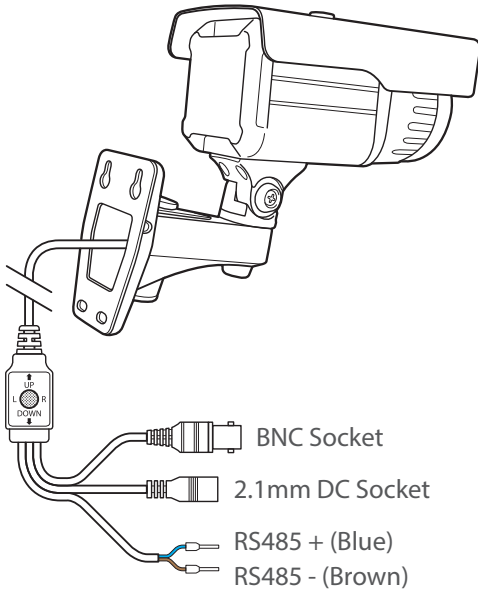
MENU ITEM	SUB MENU	SUB MENU OPTIONS
SCENE SELECT  (FULL AUTO / INDOOR / OUTDOOR / BACKLIGHT / ITS / CUSTOM)	SHUTTER AGC	AUTO / MANUAL / FIX AUTO: 1. AE LEVEL: 01~250 3. SENS UP: OFF / AUTO 2. AGC MAX: 6~44.8DB MANUAL: 1. SHUTTER: 256FLD~1/10000DB 2. AGC MAX: 6~44.8DB FIX: 1. SHUTTER: 256FLD~1/10000DB 2. AGC: 6~44.8DB
	WHITE BAL	ATW / PUSH / USER1 / USER2 / MANUAL / PUSH LOCK (DEPENDANT ON SCENE) ATW: 1. SPEED: 000~255 4. ENVIRONMENT: AUTO / INDOOR / SUNNY / SHADE 2. DELAY CNT: 001~255 3. ATW FRAME: 001~255 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 4. DAY→NIGHT: 000~255 2. CNTL SIGNAL: INT / EXT1 / EXT2 5. NIGHT→DAY: 024~255 3. DELAY INT: 000~255 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

# CAM837UG

## Connections



## 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 ICX663AK Effio-P
DSP	SONY CXD4141GG Effio-V
Horizontal Resolution	720TVL
Effective Pixels	976(H) x 582(V)
Electronic Shutter Speed	Auto 1/50 ~1/100, 000Sec
Minimum Illumination	0.001Lux/F2.0 (0Lux IR On)
S/N Ratio	≥52dB
Video Output Level	1.0V p~p (75Ω, Composite)
Lens	2.8-12mm Varifocal
Focus	Manual
Lens Type	Manual
Pixels	2 Mega Pixel
IR LEDs	42
IR Range	40m

FUNCTION	SPECIFICATION
OSD Menu Language	ENG, SPA, RUS, POR, GER, FRA, CHI, JAP
OSD Control	Up The Co-ax, RS485 & In-line Joystick
Sense-up	Auto
Wide Dynamic Range	Real 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	700mA
Dimensions	216 x 188 x 91mm
Weight	Approximately 1.6Kg

All specifications are approximate. System Q Ltd reserves the right to change any product specifications or features without notice. Whilst every effort is made to ensure that these instructions are complete and accurate, System Q Ltd cannot be held responsible in any way for any losses, no matter how they arise, from errors or omissions in these instructions, or the performance or non-performance of the equipment that these instructions refer to.



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