CAM840

GEM™

HD-SDI & IP models also available

The GEM range of CCTV cameras represent great performance at great value. Attractive externally rated true day-night camera with mechanical IR cut off filter for superb surveillance day or night!
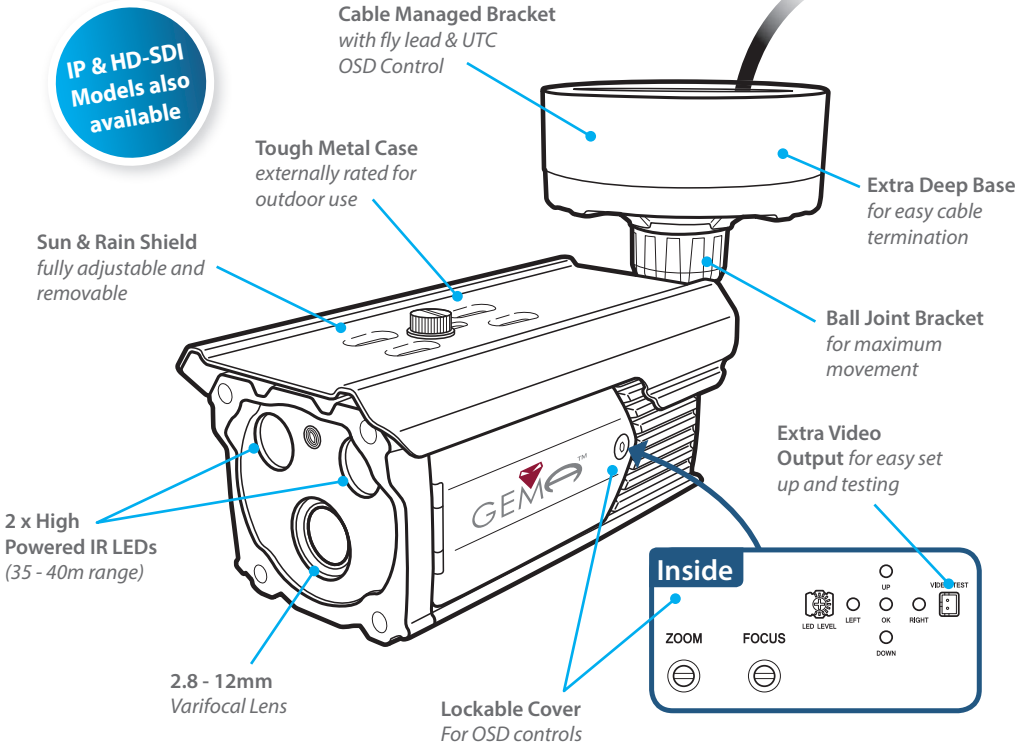
- External or Internal Use
- Cable Managed Bracket
- Wide Dynamic for Day-Night use

- 2 Super Power IR LEDS
- True Day-Night
- Up the CO-AX OSD control

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

Quick Start Guide

CAM840 - Key Features & OSD Menu

IP & HD-SDI Models also available

Cable Managed Bracket
with fly lead & UTC OSD Control

Tough Metal Case
externally rated for outdoor use

Extra Deep Base
for easy cable termination

Sun & Rain Shield
fully adjustable and removable

Ball Joint Bracket
for maximum movement

Extra Video Output *for easy set up and testing*

2 x High Powered IR LEDs
(35 - 40m range)

Inside

LED LEVEL   LEFT   UP   OK   RIGHT   DOWN   VIDEO TEST

ZOOM   FOCUS

2.8 - 12mm
Varifocal Lens

Lockable Cover
For OSD controls

Also Available

IP-CAM841 & IP-CAM842
We also offer 1.3 & 2 Megapixel IP models. Supplied with free client software and fully ONVIF compatible, they make great additions to any IP CCTV system.
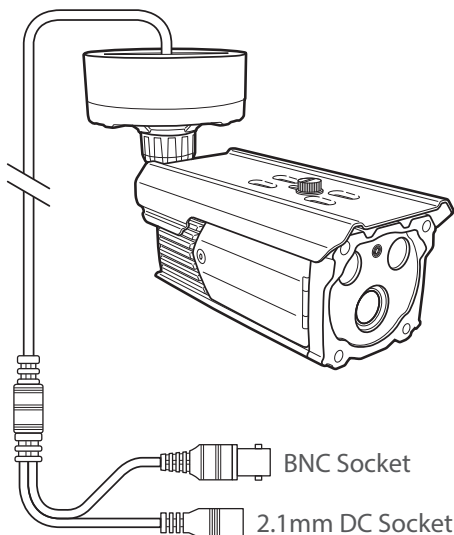
HD-CAM843
Our HD-SDI external IR camera captures crystal clear 1080p images at 25fps. It also features a true day night mechanical IR cut off filter and wide dynamic range.

Visit AskTheCCTVExpert.com

OSD Menu System

MENU ITEM	SUB MENU	SUB MENU OPTIONS		
LENS		AUTO / MANUAL		
		AUTO:	1. TYPE: DC / VIDEO 2. MODE: AUTO / OPEN / CLOSE	3. SPEED: 000~255
SHUTTER/AGC		AUTO / MANUAL		
		AUTO:	HIGH LUMINANCE 1. MODE: SHUT+AUTO IRIS / AUTO IRIS 2. BRIGHTNESS: 000~255	LOW LUMINANCE 1. MODE: AGC / OFF 2. BRIGHTNESS: X0.25~X1.00
		MANUAL:	1. MODE: SHUT+AGC 2. SHUTTER: 1/50~1/10000	3. AGC: 6.00~44.80
WHITE BAL		ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK		
		ATW:	1. SPEED: 000~255 2. DELAY CNT: 000~255	3. ATW FRAME: X0.50~X2.00 4. ENVIRONMENT: INDOOR / OUTDOOR
		USER1:	1. B-GAIN: 000~255	2. R-GAIN: 000~255
		USER2:	1. B-GAIN: 000~255	2. R-GAIN: 000~255
		MANUAL:	1. LEVEL: 000~255	
BACKLIGHT		OFF / BLC / HLC		
PIC ADJUST			1. MIRROR: OFF / ON 2. BRIGHTNESS: 000~255 3. CONTRAST: 000~255 4. SHARPNESS: 000~255	5. HUE: 000~255 6. GAIN: 000~255 7. DEFOG: OFF / LOW / MID / HIGH
WDR		OFF / ON		
		ON:	1. LUMINANCE: LOW / MID / HIGH	2. CONTRAST: LOW / MID / HIGH
MOTION DET		OFF / ON		
		ON:	1. DETECT SENSE: 000~127 2. BLOCK DISP: OFF / ON / ENABLE (ENABLE SETS EXCLUSION AREA. HOLD 'OK' BUTTON FOR 5 SECONDS THEN RELEASE TO EXIT) 3. MOTION AREA: ON / OFF	4. AREA SEL: 1~4 5. TOP: 000~288 6. BOTTOM: 000~288 7. LEFT: 000~468 8. RIGHT: 000~468
NEXT		VIEW MENU PAGE 2		
PRIVACY		OFF / ON		
		ON:	1. AREA SEL: 1~8 2. TOP: 000~288 3. BOTTOM: 000~288 4. LEFT: 000~468	5. RIGHT: 000~468 6. COLOUR: 1~8 7. TRANSP: 0.00~1.00 8. MOSAIC: OFF / ON
DAY/NIGHT		AUTO / COLOUR / B/W / EXT1 / EXT2		
		AUTO:	1. BURST: ON / OFF 2. DELAY CNT: 000~255	3. DAY→NIGHT: 000~255 4. NIGHT→DAY: 000~255
		B/W:	1. BURST: ON / OFF 2. IR OPTIMIZER: ON / OFF	3. MODE: AUTO / CENTRE 4. LEVEL: 000~031
NR	NR MODE	Y/C / OFF / Y / C		
		Y/C:	1. Y LEVEL: 000~015	2. C LEVEL: 000~015
		Y:	1. Y LEVEL: 000~015	
		C:	1. C LEVEL: 000~015	
CAMERA ID		OFF / ON		
		ON:	SET CAMERA NAME, ID COLOUR & ID POSITION	
SYNC		INT		
LANGUAGE		ENGLISH / JAPANESE / GERMAN / FRENCH / RUSSIAN / PORTUGUESE / SPANISH / CHINESE		
CAMERA RESET		DEFAULT CAMERA SETTINGS		
BACK		VIEW MANY PAGE 1		
EXIT		EXIT MENU SYSTEM		
SAVE ALL		SAVE ALL CHANGES		

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

CAM840

Connections

BNC Socket

2.1mm DC Socket

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	700TVL
Effective Pixels	976(H) x 582(V)
Electronic Shutter Speed	Auto 1/50 ~1/10000s
Minimum Illumination	0.1Lux/F1.2 (0Lux IR On)
S/N Ratio	≥50dB
Video Output Level	1.0V p~p (75Ω, Composite)
Lens	2.8-12mm Varifocal
Focus	Manual
Lens Type	Manual
IR LEDs	2 High Power IR LEDs
IR Range	40m
Day/Night	Mechanical

FUNCTION	SPECIFICATION
IP Rating	IP66
OSD Menu Language	ENG, JAP, GER, FRE, RUS, POR, SPA, CHI
OSD Control	Up The Co-ax, RS485 & In-line Joystick
Wide Dynamic Range	Selectable
Backlight Compensation	BLC / HLC
White Balance	Auto / Manual
Gain Control	Auto / Manual
Noise Reduction	2D NR
Privacy Masking	8 Areas
Operating Temperature	-10°C ~ +50°
Supplied Voltage	12V DC ±10%
Current Consumption	600mA (IR Max)
Dimensions	205 x 98 x 98mm (Exc Bracket)