



5MP Full-Colour Dual-Light Turret Camera

CODE: EAG-5COL-IL-TUR-FW



- Max 25 fps@5MP (16:9 video output).
- Smart Dual Light.
- 20 m illumination distance.
- Super Adapt.
- Built-in MIC.
- 2.8mm fixed lens
- CVI/CVBS/AHD/TVI switchable.
- IP67, 12 VDC.



Function

Broadcast-quality Audio

Audio signal transmission over coaxial cables is supported by the camera. It employs a unique audio processing and transmission technology that restores the original audio while eliminating noise, ensuring the quality and reliability of the collected audio information. This feature is particularly important for video surveillance applications that utilise audio as a form of supplementary evidence.

Smart Dual Light

Smart Dual Light technology employs advanced algorithms to detect targets effectively. Typically, the infrared (IR) illuminator is activated at night. When a target enters the monitoring area, the white light turns on, and the camera captures full-colour video and information about key events. This means that the camera links snapshots and video footage with full-colour images. Once the target leaves the monitoring area, the white light turns off, and the IR illuminator is activated, thereby reducing light pollution efficiently.

Super Adapt

With its intelligent algorithm, the camera automatically adjusts its parameters to ensure optimal performance and produce vivid images.

Protection (IP67, Wide Voltage)

IP67 Rating: The camera undergoes a series of stringent tests for dust and water immersion. It features a dust-proof function, and the enclosure operates normally after being submerged in 1 metre of water for 30 minutes.

Wide Voltage Range: The camera supports an input voltage tolerance of

4 Signals over 1 Coaxial Cable

HDCVI technology supports four signals (video, audio*, data, and power) that are transmitted simultaneously over a coaxial cable. The dual-way data transmission enables the HDCVI camera to interact with the XVR, allowing for various actions such as sending control signals and triggering alarms. Additionally, HDCVI technology supports Power over Coax (PoC), facilitating quick and easy installation of the camera.

Long Distance Transmission

HDCVI technology enables long-distance transmission in real time without any loss of quality. It supports transmission distances of up to 700 metres for 2 MP, 5 MP, and 8 MP HD videos over coaxial cables, and up to 300 metres through UTP cables. These results were obtained and verified through rigorous testing in a dedicated laboratory.

Simplicity

HDCVI technology maintains the simplicity of traditional analogue surveillance systems, making it an excellent solution for protecting your valuables. It can be upgraded from a traditional analogue system without the need to replace existing coaxial cabling. Its plug-and-play design allows for the production of high-definition videos during surveillance, eliminating the hassle of network configuration.

Multi-language OSD

The OSD provides various functions to accommodate the diverse requirements of a monitoring scene, including backlight mode, day/night mode, white balance, privacy mask, and motion detection. The OSD is available in 11 languages: Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian, and Polish.

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Technical Overview

Camera	
Image Sensor	5 MP CMOS
Max. Resolution	2880 (H) × 1620 (V)
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s
Min. Illumination	0.05 lux@F1.6 (Colour, 30 IRE) 0.005 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>65 dB
Illumination Distance	IR: 20 m (65.62 ft) Warm Light: 20 m (65.62 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	1 (Warm light);1 (IR light)
Angle Adjustment	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°

Lens					
Lens Type		Fixed-focal			
Lens Mount		M12			
Focal Length		2.8 mm			
Max. Aperture		F1.6			
Field of View		2.8 mm: H: 106°; V: 56°; D: 125°			
Iris Control		Fixed			
Close Focus Distance		2.8 mm: 0.8 m (2.62 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	56 m (183.73 ft)	22.4 m (73.49 ft)	11.2 m (36.75 ft)	5.6 m (18.37 ft)

Video	
Video Frame Rate	CVI: PAL: 5M@25 fps; 4M@25 fps; 1080p@25 fps; NTSC: 5M@25 fps; 4M@30 fps; 1080p@30 fps AHD: PAL: 4M@25 fps; NTSC: 4M@30 fps TVI: PAL: 4M@25 fps; NTSC: 4M@30 fps CVBS: PAL: 960H; NTSC: 960H
Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)
Day/Night	Auto(ICR)/Colour/B/W
BLC	BLC; HLC; DWDR
WDR	DWDR
White Balance	Auto;Area white balance

Gain Control	Auto/Manual
Noise Reduction	2D NR
Illumination Mode	Smart IR&WL; WL Mode; IR Mode
Mirror	Yes
Privacy Masking	Off/On (8 areas, rectangle)

Certification	
Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035; FCC: 47 CFR FCC Part 15, Subpart B; UL: UL62368-1 + CAN/CSA C22.2 No. 62368-1-14

Port	
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Audio Input	One channel built-in mic

Power	
Power Supply	12 VDC ± 30%
Power Consumption	Max 3.1 W (12 VDC, WLED on)

Environment	
Operating Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Operating Humidity	<95% (RH), non-condensing
Storage Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Storage Humidity	<95% (RH), non-condensing
Protection	IP67

Structure	
Casing Material	Metal
Product Dimensions	φ94.0 mm × 85.7 mm (φ3.70" × 3.37")
Net Weight	0.31 kg (0.68 lb)
Gross Weight	0.43 kg (0.95 lb)
Installation	Wall mount; ceiling mount; vertical pole mount

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Dimensions (mm/inch)

