

5MP 16:9 Full-Colour Turret Camera

CODE: EAGLE-5COL-TUR3-FW



* In order to use the 5MP 16:9 HDCVI camera, the firmware of XVR must be upgraded to V4.001.0000001.0.R.200908 or later version.

- Max 25 fps@5MP (16:9 video output).
- 24/7 colour imaging.
- 40 m illumination distance.
- CVI/CVBS/AHD/TVI switchable.
- 2.8 mm fixed lens.
- IP67, 12 VDC.
- Built-in mic (-A).



Function

Full-color

This full-colour camera adopts a large aperture lens and high performance sensor. With a higher amount of absorbed light and advanced image processing algorithms, the camera provides 24/7 colour monitoring with clear and vivid information, significantly increasing the probability of gathering reliable people, vehicle, and event evidence that can be used for further intelligent analysis.

Broadcast-quality Audio

Audio information is used as supplementary evidence in video surveillance applications. This HDCVI camera supports audio signal transmission over a coaxial cable. In addition, it adopts unique audio processing and transmission technology that best restores source audio and eliminates noise, guaranteeing quality and effectiveness of collected audio information.

Warm Supplemental lights

With warm supplemental LED lights, the camera is able to provide a colourful and vivid image even in total darkness. By default, the camera is set to smart light mode, in which the camera can automatically adjust the exposure time and light sensitivity simultaneously to avoid overexposure of the objects in the image center.

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals over 1 coaxial cable simultaneously, i.e. video, audio, data and power. Dual-way data transmission allows the HDCVI camera to interact with the XVR, by sending control signals or triggering alarms. Moreover, HDCVI technology supports PoC for construction flexibility.

Long Distance Transmission

HDCVI technology guarantees real-time transmission at long distances without any loss. It supports up to 700m transmission for 2MP/5MP/8MP HD video via coaxial cable, and up to 300m via UTP cables.

Protection (IP67, wide voltage)

IP67: The camera passes a series of strict tests on dust and soaking. It has dust-proof functionality, and the enclosure works as normal after soaking in 1m deep water for 30 minutes.

Wide voltage: The camera allows $\pm 30\%$ (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environments with unstable voltage.

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HD
ANALOGUE



Technical Specification

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	0.005 lux/F1.6, 0 lux white light on
S/N Ratio	>65 dB
Illumination Distance	40 m (131.23 ft)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	2
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°

Lens

Lens Type	Fixed-focal			
Auto Focus	No			
Lens Mount	M12			
Focal Length	2.8 mm			
Max. Aperture	F1.6			
Field of View	2.8 mm: Horizontal: 113°; Vertical: 60°; Diagonal: 132°			
Iris Control	Fixed			
Close Focus Distance	2.8 mm: 1.0 m (3.28 ft)			
DORI Distance	Detect	Observe	Recognize	Identify
	61.2 m (200.79 ft)	24.5 m (80.39 ft)	12.2 m (40.03 ft)	6.1 m (20.01 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)
BLC	BLC/HLC/WDR
WDR	DWDR
White Balance	Auto; Area white balance
Gain Control	Auto; manual
Noise Reduction	2D NR
Smart Illumination	Yes
Digital Zoom	No

Mirror	Off/On
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Privacy Masking	Off/On (8 areas, rectangle)
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Certification

Certifications	CE (EN55032: 2015, EN61000-3-2: 2014, EN61000-3-3: 2013, EN55024: 2010+A1: 2015, EN55035: 2017, EN50130-4: 2011+A1: 2014, EN62368-1: 2014+A11: 2017) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL62368-1+CAN/CSA C22.2 No.62368-1-14)
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Port

Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
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Audio Input	One channel built-in MIC (-A)
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Power

Power Supply	12 VDC ± 30%
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Power Consumption	Max 5.0 W (12 VDC, warm light on)
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Environment

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

Casing	Metal throughout the whole casing
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Camera Dimensions	φ106.0 mm × 93.6 mm (φ4.17" × 3.69")
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Net Weight	0.48 kg (1.06 lb)
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Gross Weight	0.67 kg (1.48 lb)
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Dimensions (mm[inch])

