

4K HDCVI IR 4-In-1 Dip-Switch Turret

CODE: EAGLE-8-TUR-DS-FW



- Max. 4K resolution
- CVI/CVBS/AHD/TVI switchable
- 2.8mm fixed lens
- Built-in mic (-A)
- Max. IR length 30 m, Smart IR
- IP67, DC12V



Functions

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted 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, such as sending control signals or triggering alarms. Moreover, HDCVI technology supports PoC for construction flexibility.

Broadcast-Quality Audio

Audio information is used as supplementary evidence in video surveillance applications. The HDCVI camera supports audio signal transmission over 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.

Long Distance Transmission

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

Simplicity

HDCVI systems can seamlessly upgrade from traditional analog systems without replacing existing coaxial cabling. The plug and play approach enables high definition video surveillance without the hassle of configuring a network.

Multi-language OSD

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu includes configurations such as backlight mode, day/night, white balance, privacy mask and motion detect. The camera supports 11 languages for OSD menu, namely, English, French, German, Spanish, Chinese, Portuguese, Italian, Japanese, Korean, Russian and Polish.

4K Real-time Image Display

Used together with 4K Real-time XVR, the camera can output 4K realtime video stream with clear details and no lag or smear.

Smart Illumination

The camera is designed with IR illumination for great lowlight performance. Smart IR is a technology that ensures brightness uniformity in B/W images under low illumination. The unique Smart IR adjusts to the intensity of the camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the objects come closer to the camera.

Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. 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 environment with instable voltage.

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HD
ANALOGUE



Technical Specification

Camera

Image Sensor	4K CMOS
Max. Resolution	3840 (H) × 2160 (V)
Pixel	8 MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25 s–1/100, 000s NTSC: 1/30 s–1/100, 000 s
S/N Ratio	> 65 dB
Min. Illumination	0.03Lux/F2.0, 30IRE, 0Lux IR on
IR Distance	30 m (98.4 ft)
IR On/Off Control	Auto; manual
IR Number	1 (IR light)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°

Lens

Lens Type	Fixed lens				
Mount Type	M12				
Focal Length	2.8 mm				
Max. Aperture	F2.0				
Field of View	2.8 mm:H:105° V:56° D:125°				
Iris Type	Fixed				
Close Focus Distance	2.8 mm: 1.0 m (3.3 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	75.0 m (246.1 ft)	30.0 m (98.4 ft)	15.0 m (49.2 ft)	8.0 m (26.2 ft)
	3.6 mm	146.0 m (479.0 ft)	58.0 m (190.3 ft)	16.0 m (52.5 ft)	15.0 m (49.2 ft)

Video

Video Frame Rate	CVI: PAL:4K@25fps; 4K@15fps; 5M@20fps; 4M@25fps; NTSC:4K@30fps; 4K@15fps; 5M@20fps; 4M@30fps; AHD: PAL: 4K@15fps; NTSC:4K@15fps; TVI: PAL: 4K@15fps; NTSC:4K@15fps; CVBS: PAL: 960H; NTSC: 960H
Resolution	4K (3840×2160); 5M (2592×1944); 4M (2560×1440); 960H (960×576/960×480)
Day/Night	Auto switch by ICR
BLC	BLC/HLC/DWDR
WDR	DWDR
White Balance	Auto/Manual

Gain Control	Auto/Manual
Noise Reduction	2D NR
Smart Illumination	Yes
Mirror	Off/On
Privacy Masking	Off/On (8 area, rectangle)

Certifications

Certifications	CE (EN55032, EN55024, EN50130-4, EN62368-1) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
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Port

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

Power

Power Supply	12V ±30% DC
Power Consumption	Max 4.3 W (12V DC, IR on)

Environment

Operating Temperature	–40°C to +60°C (–40°F to 140°F); < 95% (non-condensation)
Storage Temperature	–40°C to +60°C (–40°F to 140°F); < 95% (non-condensation)
IP Rating	IP67

Structure

Casing	Metal throughout the whole casing
Camera Dimensions	φ94.0 mm × 85.7 mm (φ3.70" × 3.37")
Net Weight	0.33 kg (0.73 lb)
Gross Weight	0.47 kg (1.04 lb)

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Dimensions (mm[inch])

