

EZ-HCC-T359A

5MP Full-colour HDCVI Fixed-focal Eyeball Camera



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

System Overview

The Lite Series is a great choice for consumers looking for high quality monitoring products at a reasonable price. Its low cost and high performance make it ideal for residential areas and SMB solutions. This series is equipped with a wide range of technologies, such as full-colour and starlight, providing various solutions for different scenarios.

Functions

Full-colour

With its advanced image processing algorithm and capability to absorb large quantities of light, the camera provides 24/7 colour monitoring that collects clear and highly detailed information, significantly increasing the reliability of the human and vehicle images that are collected as evidence for intelligent analysis.

Broadcast-quality Audio

Audio signal transmission over coaxial cables is supported by the HDCVI camera. It adopts a unique audio processing and transmission technology that restores source audio and eliminates noise, ensuring the quality and reliability of the audio information that is collected. This becomes important for video surveillance applications that use audio information as a type of supplementary evidence.

Smart Warm Light Illumination

In dark environments, the camera produces vivid images in rich color through its warm LED lights. With its smart light mode setting, it automatically adjusts its exposure time and light sensitivity to avoid the overexposure of objects in the center of the image.

Super Adapt

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



4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals (video, audio*, data and power) which are simultaneously transmitted over a coaxial cable. Dual-way data transmission allows the HDCVI camera to interact with the XVR to perform various actions such as sending control signals and triggering alarms. HDCVI technology also supports PoC, which makes the camera easy and quick to install.

* Audio input is available for select HDCVI camera models.

Long Distance Transmission

HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 700 m for 2-MP/5-MP/8-MP HD videos through coaxial cables, and up to 300 m through UTP cables. The results were obtained and verified through rigorous testing in Dahua's test laboratory.

Protection (IP67, Wide Voltage)

IP67: The camera passed a series of rigorous dust and immersion tests. Its enclosure is both dust-proof and waterproof, and can function normally while being immersed in 1 m deep water for up to 30 minutes.
Wide voltage: The camera has $\pm 30\%$ input voltage tolerance (for some power supplies) and a wide voltage range, making it suitable for a variety of outdoor scenarios.

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 (warm light on)
S/N Ratio	>65 dB
Illumination Distance	40 m (131.23 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (Warm light)
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	H: 113°; V: 60°; D: 132°			
Iris Control	Fixed			
Close Focus Distance	1.0 m (3.28 ft)			
DORI Distance	Detect	Observe	Recognize	Identify
	61.2 m (200.79 ft)	24.5 m (80.38 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)
Day/Night	Colour
BLC	BLC/HLC/DWDR
WDR	DWDR
White Balance	Auto/Manual
Gain Control	Auto/Manual
Noise Reduction	2D NR

Illumination Mode	Smart Light
Digital Zoom	No
Mirror	Yes
Privacy Masking	Off/On (8 areas, rectangle)

Certification

Certifications	UKCA
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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

Power

Power Supply	12 VDC ± 30%
Power Consumption	Max 5.2 W (12 VDC, warm light 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
Anti-corrosion Level	Low

Structure

Casing Material	Metal
Product Dimensions	φ106 mm × 93.6 mm (φ4.17" × 3.69")
Net Weight	0.48 kg (1.06 lb)
Gross Weight	0.67 kg (1.48 lb)
Installation	Wall mount; ceiling mount; vertical pole mount

Ordering Information

Type	Model	Description
5MP Camera	EZ-HCC-T359A	5MP Full-colour HDCVI Eyeball Camera

Dimensions (mm [inch])

