Eyemax 8MP 4-IN-1 Night Color Turret Camera, Fixed Lens

2.8mm • Max. 15 fps@8MP(4K) • 120dB WDR • Smart Dual Illuminator • Super Adapt • 0.01 lux@F2.0 • 0.001 lux@F2.0 • 65ft IR Range • 65ft WL Range • Built-in Mic • IP67 • 12 VDC ± 30%

Mount Accessories

Junction Box	**CJB E13A**

Overview

The Lite Series offers high-quality monitoring at a competitive price, ideal for homes and small businesses. It features advanced technologies like full-color and starlight, delivering versatile solutions for various applications.

Wide Dynamic Range

Equipped with advanced Wide Dynamic Range (WDR) technology, the camera delivers clear, high-definition images even in challenging lighting, including strong backlight and deep shadows.

Broadcast-quality Audio

The HDCVI camera supports audio transmission over coaxial cable, using advanced processing to restore original sound and reduce noise. This ensures clear, reliable audio—crucial for surveillance systems that use sound as supporting evidence.

Smart Dual Light

The smart dual light system activates white light when AI DVR’s Perimeter Protection or SMD Plus detects a target, ensuring vivid images. Once the target exits the area, it switches to IR light to minimize light pollution.

Super Adapt

Powered by intelligent algorithms, the camera auto-adjusts settings for optimal performance and vivid image quality.

Advanced 3DNR

Advanced 3DNR technology reduces image noise with minimal loss of sharpness, especially in low light. By

analyzing sequential frames, it filters noise effectively while optimizing bandwidth and saving storage space.

IP67

The camera features a dustproof, waterproof enclosure and has passed strict durability tests. It operates reliably when submerged in 3.3ft (1m) of water for up to 30 minutes.

Wide Voltage

With ±30% input voltage tolerance and a wide voltage range, the camera ensures stable performance in diverse outdoor environments.

4 Signals over 1 Coaxial Cable

HDCVI technology transmits video, audio*, data, and power simultaneously over a single coaxial cable. Two-way data enables interaction with DVRs for functions like control and alarm triggering. PoC support simplifies and speeds up installation. *Audio input available on select models.

Long Distance Transmission

HDCVI technology enables real-time long-distance transmission with no signal loss—up to 2,297ft (700m) over coaxial cable and 984ft (300m) over UTP. Performance verified through rigorous lab testing.

SPECIFICATIONS

Camera	
Image Sensor	4K CMOS
Max. Resolution	3840 (H) × 2160 (V)
Scanning System	Progressive

Electronic Shutter Speed	PAL: 1 / 25 s–1 / 100000 s NTSC: 1 / 30 s–1 / 100000 s
Min. Illumination	0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (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)
Pan / Tilt / Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°
Lens	
Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	2.8 mm
Max. Aperture	F2.0
Field of View	H: 106°; V: 56°; D: 125°
Iris Control	Fixed
Close Focus Distance	2.8 mm: 1.3 m (4.27 ft) 3.6 mm: 1.9 m (6.23 ft)
DORI Distance	
Detect	88 m (288.71 ft)
Observe	35.2 m (115.49 ft)
Recognize	17.6 m (57.74 ft)
Identify	8.8 m (28.87 ft)
Video	
Video Frame Rate (CVI)	PAL: 4K@15 fps; 5M@25 fps; 4M@25 fps; 1080p@25 fps NTSC: 4K@15 fps; 5M@25 fps; 4M@30 fps; 1080p@30fps
Video Frame Rate (AHD)	PAL: 4K@15 fps NTSC: 4K@15 fps
Video Frame Rate (TVI)	PAL: 4K@15 fps NTSC: 4K@15 fps

Video Frame Rate (CVBS)	PAL: 960H NTSC: 960H
Resolution	4K (3840 × 2160); 5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)
Day / Night	Auto(ICR) / Color / B/W
BLC	BLC; HLC; WDR; HLC-Pro
WDR	120 dB
White Balance	Auto; Area white balance
Gain Control	Auto / Manual
Noise Reduction	3D NR
Illumination Mode	Smart IR&WL; WL Mode; IR Mode
Defog	Electronic defog
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 4.2 W (12 VDC, LED 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	⌀94.0 mm × 85.7 mm (⌀3.70" × 3.37")
Net Weight	0.33 kg (0.73 lb)
Gross Weight	0.47 kg (1.04 lb)
Installation	Wall mount; ceiling mount; vertical pole mount