

ES-NDTMB-54368 EZ

5 MP AI Smart Dual Light Fixed-Lens Two Way Audio Bullet Network Camera



Functions

Artificial Intelligence

In the field of physical security, Ecovision Artificial Intelligence analytics uses powerful algorithms to automate detection, categorization, and analysis of objects and motions in a camera's view. It reduces costs, speeds up responses, and facilitates new practices and processes.

Smart Dual Light

Smart Dual light technology adopts smart algorithm to accurately detect objects. The IR illuminator is normally on at night. When the object is detected by the camera, the warm light turns on and the camera records the full-color video and information of key events. When the objects is out of the monitored area, the warm light turns off and the IR illuminator turns back on, which helps reduce light pollution.

Humanoid Detection

Advanced algorithms are used to differentiate and send an alarm when human and vehicular shapes are detected. False alerts are filtered for up to 95% accuracy, saving customers the hassle of unwanted alarms. Video clips recorded with Motion Detection enabled cameras get sorted into "Files". Making it easy to play back, review and retrieve historical information. Motion Detection alerts can be viewed on the Mobile app for iOS and Android.

Perimeter Protection

Perimeter security is a term that represents a broad range of physical security options such as access control, gates, barriers and other security controls, a camera with video analytics protect the perimeter in a reliable and cost-effective manner.

- **5.0 MP 1/3" SC401AI** Low illumination and high definition image CMOS sensor.
- **Smart Hybrid Light** provide three supplemental lighting modes: IR mode, white light mode, and smart mode.
- **Advanced H.265+ (Compatible with H.265/H.264)** video compression, super low rate, HD quality image.
- **Support ONVIF**, access third party, Support various mobile monitoring, Support cloud technology.
- **Built-in warm light/IR LED**, the max. Illumination distance is 30 mtr and the max. warm light distance is 30 m.
- **Image Features:** Support 2D/3D NR, Digital Wide Dynamic Range (WDR) / Automatic Gain Control (AGC).
- **Two Way Audio :** The camera has a high quality microphone and audio output to communicate in real time directly with your camera setup.
- **12 VDC/PoE** power supply, easy for installation.

Smart H.265+

The H265+ codec an intelligent algorithm that can greatly decrease the bitrate of video based on a standard H.265 codec. With H.265+, video quality nearly matches that of H.265/HEVC but reduces the transmission bandwidth and storage capacity required, due to three key technologies — prediction encoding, noise suppression, and flexible bitrate control. It demonstrates incredible improvements in bandwidth reduction, data storage efficiency, and video content analyses.

Wide Dynamic Range (WDR)

With high-performance sensor and large aperture lens, Ecovision WDR technology improves a camera's image quality under high-contrast lighting conditions where both dimly and brightly lit areas are present in the field of view. It enables the camera to capture details clearly in both the poorly and strongly illuminated areas of the video.

Two Way Audio

Elevate your security measures with our cutting-edge Two-Way Audio CCTV. The two-way audio feature adds an extra layer of interactivity and functionality to CCTV cameras, enabling users to not only see but also hear and communicate with events or individuals at the camera's location in real time. the remote user can transmit their voice to the camera location through the speaker.

Protection (IP67, Wide Voltage)

IP67: The camera passes a series of strict test on dust and soak.

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.

Technical Specification

Camera

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|----------------------------|---|
| Image Sensor | 1/3" CMOS |
| Max. Resolution | 2560 (H) × 1920 (V) |
| Scanning System | Progressive |
| Electronic Shutter Speed | Auto/Manual 1/50 s–1/100,000 s |
| Min. Illumination | 0.006 lux@F1.6 (Color, 30 IRE) 0.0006 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on) |
| S/N Ratio | >56 dB |
| Illumination Distance | up to 30 m (98.43 ft) (IR); up to 30 m (98.43 ft) (Warm light) |
| Illuminator On/Off Control | Auto; Manual |
| Illuminator Number | 4 (IR LED); 4 (Warm light) |
| Pan/Tilt/Rotation Range | Pan: 0°–360° Tilt: 0°–180° Rotation: 0°–360° |

Lens

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|----------------------|--------------------------------|-----------------------|-----------------------|----------------------|---------------------|
| Lens Type | Fixed-LENS | | | | |
| Focal Length | 3.6 mm | | | | |
| Max. Aperture | F1.6 | | | | |
| Field of View | 3.6 mm: H: 78°; V: 41°; D: 94° | | | | |
| Iris Control | YES | | | | |
| Close Focus Distance | 3.6 mm: 1.7 m (5.58 ft) | | | | |
| DORI Distance | Lens | Detect | Observe | Recognize | Identify |
| | 3.6 mm | 85.4 m (280.18 ft) | 34.2 m (112.20 ft) | 17.1 m (56.10 ft) | 8.5 m (27.89 ft) |

Intelligence

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| Intelligence analysis | Supporting human detection, face detection, and support to customize other intelligent functions |
| Smart Search | Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos |

Video

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| Video Compression | H.264H; H.265; H.264; H.264B; MJPEG (Only supported by the sub stream) |
| Smart Codec | Smart H.265+, Smart H.264+ |
| Video Frame Rate | Main stream: 2560 × 1920@(1–20 fps) / 2560×1440@(1–25/30 fps) Sub stream: 720 × 576@(1–25 fps)/ VGA : 640 × 360@(1–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity. |

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| Stream Capability | 2 streams |
| Resolution | 2560 × 1920(2560 × 1920); 2560 × 1440 (2560 × 1440); 3M (2048 × 1536); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240) |
| Bit Rate Control | CBR/VBR |
| Video Bit Rate | H.265: 12 kbps–8192 kbps |
| Day/Night | Auto(ICR)/Color/B/W |
| BLC | Yes |
| WDR | 120 dB |
| White Balance | Auto; natural; street lamp; outdoor; manual; regional custom |
| Gain Control | Auto; Manual |
| Noise Reduction | 3D NR |
| Motion Detection | OFF/ON (rectangular) |
| Region of Interest (RoI) | Yes (4 areas) |
| Image Rotation | 0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower) |
| Mirror | Yes |
| Privacy Masking | YES |
| Anti Flicker | Yes |

Audio

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|-------------------|-----------------------------|
| Built-in MIC | Yes |
| Audio Output | Yes |
| Audio Compression | G.711a; G.711Mu; PCM; G.726 |

Network

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| Network Port | RJ-45 (10/100 Base-T) |
| SDK and API | Yes |
| Network Protocol | IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP |
| Interoperability | ONVIF (Profile S/Profile T); CGI; P2P; Milestone |
| User/Host | 20 (Total bandwidth: 48 M) |
| Storage | FTP; SFTP; |
| Browser | IE; Chrome; Firefox |
| Management Software | EZView |
| Mobile Client | iOS; Android |