Eyemax E8152 | 8MP Starlight Outdoor IR Dome Network Camera, Fix Lens, SMD Plus, 164ft IR Range, WizSense, AI Series, True WDR (120dB), IP67 + IK10 / 12VDC/PoE



1/2.8" CMOS image sensor • 8MP (3840 2160) @20 fps • SMART H.264+/H.265+ • Built-in IR LED, 164ft (50m) • True WDR (120dB), 3D DNR, HLC, BLC • SMD Plus • Intelligent detection • Abnormality detection • Alarm: 1 in, 1 out • Audio: 1 in, 1 out • Supports max. 256 GB Micro SD card • 12V DC/PoE Power • IP67, IK10 protection

Mount Accessories

Wall Mount Bracket	**CWB-E203W**
Junction Box	**CJB-E136**

WizSense is a series of AI products and solutions that adopt independent AI chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on our advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

Series Overview

With advanced deep learning algorithm, WizSense 3 Series network camera supports intelligent functions, such as perimeter protection and smart motion detection. With starlight technology, this series camera provides a better image effect in the condition of low illuminance.

SMD Plus

With intelligent algorithm, Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Perimeter Protection

With deep learning algorithm, Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion, fast moving, parking detection, loitering detection and gathering detection) are largely reduced.

Starlight

Starlight technology mainly applies to the environment of low illumination, and it can provide clear colorful video. Even in the environment of min. illumination, the technology can guarantee the good image effect.

WDR

With advanced Wide Dynamic Range (WDR) technology, network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with back-light shadow.

Protection (IP67, IK10, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes. IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J). Wide voltage: The camera allows ±30% input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

FEATURES

- 8MP, 1/2.8" CMOS image sensor, low illuminance, high image definition · Outputs max. 8MP (3840 × 2160) @20 fps and 2592 × 1944 @25/30 fps · H.265 codec, high compression rate, low bit rate
- Built-in IR LED, max. IR distance: 50 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection
- Alarm: 1 in, 1 out; audio: 1 in, 1 out
- Supports max. 256 G Micro SD card
- 12V DC/PoE power supply
- IP67, IK10 protection

- SMD Plus

SPECIFICATIONS

Camera	
Image Sensor	1/2.8" 8 Mega-pixel progressive CMOS
Max. Resolution	3840 (H) × 2160 (V)
ROM	128 MB
RAM	512 MB
Scanning System Electronic	Progressive
Shutter Speed Min.	Auto/Manual 1/3 s–1/100,000 s
Illumination	0.007 Lux @F1.4
S/N Ratio	>56 dB
Illumination Distance	50 m (164 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	3 (IR LED)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–60° Rotation: 0°–355°
Lens	
Lens Type	Fixed-focal
Mount Type	M12
Focal Length	2.8 mm
Max. Aperture	F1.4
Field of View	Horizontal 108° × Vertical 58° × Diagonal 127°
Iris Type	Fixed
Close Focus Distance	1.4 m (4.6 ft)
DORI Distance	Detect: 85.5 m (280.5 ft) / Observe: 34.2 m (112.2 ft) / Recognize: 17.1 m (56.1 ft) / Identify: 8.6 m (28.2 ft)
Professional, Intelligent	

Perimeter Protection	Tripwire; intrusion (support the classification and accurate detection of vehicle and human)
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.
Video	
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart CODEC	Smart H.265+/ Smart H.264+
Video Frame Rate	Main stream (3840 × 2160@1–20 fps), (2592 × 1944 @1–25/30 fps) sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps) third stream (1280 × 1080@1–25/30 fps)
Stream Capability	3 streams
Resolution	8M (3840 × 2160); 6M (3072 × 2048); 5M (3072 × 1728/2592 × 1944); 4M (2688 × 1520); 3M (2048 × 1536/2304 × 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.264: 3 kbps–8192 kbps H.265: 3 kbps–8192 kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
Scene Self-adaptation	Yes
White Balance	Auto / natural / street lamp / outdoor / manual / regional custom
Gain Control	Auto / Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Smart Illumination Image	Yes
Illumination Image	0° / 90° / 180° / 270° (Support 90° / 270° with 1080p resolution and lower.)
Rotation Mirror	Yes
Privacy Masking	4 areas
Audio	

Audio Compression	G.711a; G.711Mu; G726; AAC (Only - AS supports)
Alarm	
Alarm Event	No SD card; SD card full; SD card error; service life warning (only supported by Dahua card); network disconnection; IP conflict; illegal access; motion detection; video tampering; intrusion; tripwire; scene changing; audio detection; voltage detection; external alarm; SMD; safety exception
Network	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; 802.1x; SNMP
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec
User/Host	20 (Total bandwidth: 72 M)
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS
Browser	IE: IE8; IE9; IE11 / Chrome / Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS; Android
Certification	
Certifications	CE-LVD: EN62368 ~ 1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950 ~ 1 CAN/CSA C22.2 No.60950 ~ 1-07
Port	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Output	1 channel out: 300mA 12V DC
Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	<7W
Environment	
Operating Conditions	–40°C to +55°C (–40°F to +131°F)/Less than 95% RH

Storage Conditions	–40°C to +60°C (–40°F to +140°F)
Protection Grade	IP67; IK10
Structure	
Casing	Metal
Dimensions	81 mm × Φ109.9 mm (3.2" × Φ4.3")
Net Weight	378 g (0.8 lb)
Gross Weight	523 g (1.2 lb)