

4 × 5MP WizMind Multi-Sensor No-Splicing Panoramic Dome IP Camera,



4-DIRECTIONAL PANORAMIC

EYEMAX

WizMind AI: Perimeter Protection / People Counting / Face Detection • Motorized 2.8~12mm VF Lens • 98ft IR Range • DWDR • IP67 & IK10 Protection • 12 VDC/PoE+ (802.3at)

WizMind

EYEMAX introduces WizMind, a comprehensive portfolio featuring project-oriented products like IPC, IVSS, NVR, PTZ, XVR, Thermal, and software platforms. Utilizing industry-leading deep learning algorithms, WizMind offers precise, reliable, and comprehensive AI solutions tailored to verticals.

Overview

EYEMAX's Non-Splicing Camera is designed for high flexibility, offering surveillance in multiple directions with its adjustable lens—perfect for use with multiple cameras. It's easy to install and supports various functions, including face detection, people counting, and perimeter protection. Widely used in scenes like

warehouses, transit stations, and campuses.

Perimeter Protection

Perimeter Protection technology utilizes deep learning algorithms for precise recognition of humans and vehicles. It significantly reduces false alarms in restricted areas (like pedestrian and vehicle zones) by intelligently detecting various target types, such as tripwire, intrusion, fast moving, parking detection, loitering detection, and gathering detection.

People Counting

People Counting technology utilizes deep learning algorithms to accurately track and process moving human targets, providing precise statistics for entering, leaving, and remaining within a specified area. When integrated with the management platform, it generates reports tailored to your needs.

Face Detection

Face Detection technology swiftly identifies faces in images. Utilizing deep learning algorithms, it excels in detecting, tracking, capturing, and selecting the best face image, resulting in precise face snapshots.

One IP Address for Multiple Streams

EYEMAX's multi-sensor camera displays multiple images with just one IP address. You can achieve multi-image monitoring through the software platform or NVR.

Cyber Security

EYEMAX network cameras incorporate a range of security technologies, including authentication, access control protocols, trusted protection, encrypted transmission, and storage. These features strengthen the camera's defense against cyber threats and prevent unauthorized access or compromises.

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FEATURES

- Four 5-MP 1/2.7" CMOS image sensor, low illuminance, high image definition.
- 4-channel stream output, and each channel can output max. 5 MP
- (2592 × 1944) @25/30 fps.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- The intelligent functions of 4 channels can be enabled at the same time, including face detection, IVS, and people counting.
- Intelligent detection: Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human), abandoned object, missing object, loitering detection, people gathering, and parking detection.
- FlexStream: The 4 channels of images can be viewed in a defined channel with 1 channel stream. That is the multiple images can be displayed in 1 channel.
- Web5.0 interface design, which is friendly to users, and easy for operation.
- Built-in IR LED illuminator, and the max. illumination distance is 30 m.
- Alarm: 3 in, 2 out; audio: 1 in, 1 out; RS-485; supports max. 256 G Micro SD card.
- 12 VDC/PoE power supply; 12 VDC power output, and max. current 165mA; easy for installation.
- IP67 and IK10 protection.

SPECIFICATIONS

Camera	
Image Sensor	1/2.7" CMOS
Max. Resolution	2592 (H) × 1944 (V)
ROM	8 GB
RAM	4 GB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s
Min. Illumination	0.005 lux@F1.7 (Color,30 IRE) 0.0005 lux@F1.7 (B/W,30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56dB
Illumination Distance	30 m (98.43 ft) (IR LED)
Illuminator On/Off Control	Auto / Manual

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Illuminator Number	8 (IR LED)
Pan/Tilt/Rotation Range	Pan: 0°-360° Tilt: 0°-75° Rotation: 0°-355°
Lens	
Lens Type	Motorized vari-focal
Lens Mount	φ14
Focal Length	2.8 ~ 12 mm
Max. Aperture	F1.7
Field of View	H: 100°-42° / V: 74°-32° / D: 133°-53°
Iris Control	Fixed
Close Focus Distance	0.8 m (2.62 ft)
DORI Distance	Detect: 66 ~ 140.4m (216.54 ~ 460.63ft) Observe: 26.4-56.1m (86.61 - 184.06 ft) Recognize : 13.2 ~ 28.8m (43.31 ~ 94.49 ft) Identify: 6.6 ~ 14m (21.65 ~ 45.93ft)
Smart Event	
IVS	Abandoned object; missing object
Intelligence	
IVS (Perimeter Protection)	Tripwire / intrusion / fast moving (the three functions support the classification and accurate detection of vehicle and human) / loitering detection / people gathering / parking detection
Face Detection	Face detection / track / snapshot / snapshot optimization / optimal face snapshot upload / face enhancement / face exposure / face attributes extraction including 6 attributes (gender / age / glasses / expressions / mask / and beard) and 8 expressions (angry / sad / disgusted / scared / surprised / calm / happy / confused) / face snapshot set as face or one-inch photo / snapshot strategies (real-time snapshot / quality priority and optimization snapshot) / face angle filter / optimization time setting.
People Counting	Tripwire people counting and people counting in area / generating and exporting report (day/month/year) / queue management and exporting report (day/month) / 4 rules can be set for tripwire / people counting in area and queue management.
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.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 (Single Stream)	Main stream: 2592 × 1944@(1-25/30 fps) Sub stream: 704 × 576@(1-25 fps) / 704 × 480(1-30fps) Third stream: 1920 × 1080@(1-25/30 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.
Video Frame Rate (Flex Stream)	Main stream: 1600 × 1200@(1-25/30 fps) Sub stream: 704 × 576@(1-25 fps) / 704 × 480@(1-30 fps) Third stream: 3296 × 2472@(1-25/30 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.
Stream Capability	3 streams
Resolution (Single Stream)	5M (2592 × 1944) / 2560 × 1440 / 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)
Resolution (Flex Stream)	8M (3296 × 2472) / 5M (2592 × 1944) / UXGA (1600 × 1200) / 1080p (1920 × 1080) / 1.3M (1280 × 960) / D1 (704 × 576/704 × 480) / VGA (640 × 480) / CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps-17152kbps H.265: 12 kbps-10240 kbps
Day / Night	Auto(ICR) / Color / B/W
BLC	Yes
HLC	Yes
WDR	DWDR
White Balance	Auto / natural / street lamp / outdoor / manual / regional custom
Gain Control	Auto / Manual
Noise Reduction	3D NR
Motion Detection	OFF / ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Image Stabilization	Electronic Image Stabilization (EIS)
Defog	Yes
Image Rotation	Yes

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Mirror	Yes
Privacy Masking	8 areas
Audio	
Audio Compression	PCM / G.711a / G.711Mu / G.726 / G.723
Alarm	
Alarm Event	No SD card / SD card full / SD card error / network disconnection / IP conflict / illegal access / motion detection / video tampering / intrusion / tripwire / fast moving / abandoned object / missing object / loitering detection / people gathering / parking detection / scene changing / audio detection / voltage detection / defocus detection / external alarm / face detection / people counting in area / stay detection / abnormal number of people detection / people counting / people stay detection / security exception
Network	
Network Port	RJ-45 (10/100/1000 Base-T)
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P
User/Host	20
Storage	FTP / SFTP / Micro SD card (support max. 256 GB) / NAS
Browser	IE: IE9 and later Chrome: Chrome 42 and later Firefox: Firefox 48.0.2 and later
Management Software	Smart PSS / DSS / DMSS
Cyber Security	Configuration encryption / trusted execution / Digest / security logs / WSSE / Account lockout / syslog / Video encryption / 802.1x / IP/MAC filtering / HTTPS / trusted upgrade / trusted boot / firmware encryption / generation and importing of X.509 certification
Certification	
Certifications	CE-LVD: EN62368 ~ 1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC:47 CFR FCC Part 15, Subpart B UL/CUL: UL62368 ~ 1 & CAN/CSA C22.2 No. 62368 ~ 1-14
Port	

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RS-485	1 (baud rate range:1200 bps-115200 bps)
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	3 channels in: 5 mA 3-5 VDC
Alarm Output	2 channels out: 300 mA 12 VDC
Power	
Power Supply	12 VDC/PoE+(802.3at)
Power Consumption	Basic power consumption: 7.4 W (12 VDC); 9.3W (PoE) Max. power consumption (basic + WDR + IR intensity+ lens switch+ power output): 21.3W (12 VDC); 24.7 W (PoE+)
Environment	
Operating Temperature	-30°C to +60°C (-22°F to +140°F)
Operating Humidity	≤95%
Storage Temperature	-30°C to +60°C (-22°F to +140°F)
Protection	IP67 / IK10
Structure	
Casing Material	Metal + plastic
Product Dimensions	111.3 mm × Φ286.1 mm (4.38"× Φ11.26")
Net Weight	2.75 kg (6.06 lb)
Gross Weight	4.5 kg (9.92 lb)