

OPTIVIEW



IP8MIAB-212-ZAM

8MP IR Varifocal Armor Ball IP Camera



8MP 4K IP

Up to 8MP Resolution for Preview and Playback



ID+

Advanced motion detection that filters out false alarms and only triggers with people or vehicles.



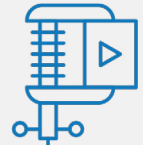
Perimeter Protection

Combine Tripwire & Intrusion with object detection (people or vehicles) for advanced motion detection.



IP67

All metal aluminum housing for indoor and outdoor installations.



Smart H.265+

Reduce bit rate and storage requirements by up to 80% when compared to H.265.

AI CODING

Compared with H.265/H.264, AI coding can reduce more than 50% bit rate and storage requirements without loss of decoding compatibility, providing clear human and vehicle details.

ID+

Intelligent Motion Detection Plus, or ID+, is an upgraded version of ID that greatly improves the alarm accuracy of 99% only triggering motion detect when people or vehicles are detected, filtering out tree movement, lighting changing, small animals (<0.5% false alarm rate), large animals (<2% false alarm rate) and more.

SMART IMAGE SELF-ADAPTATION

Optiview's Smart Image Self-Adaptation technology leverages advanced deep learning techniques to enhance image quality by analyzing various scenes and automatically setting optimal parameters for each scenario. Whether it's challenging weather conditions like rain, snow, and fog, or tough indoor/outdoor environments, our technology ensures that the IP8MIAB-212-ZAM captures clear and detailed images even in difficult-to-see scenes.

PERIMETER PROTECTION

Combine multiple tripwire and intrusion IVS rules with object (people or vehicle) detection to enable advanced motion detection alarms and alerts. Ideal for crosswalks, parking lots, communities, lawns, schools, and more.

BUILT-IN AUDIO

The IP8MIAB-212-ZAM comes with a built-in mic to help give you even more protection than a traditional still video.

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WIDE DYNAMIC RANGE

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

COMMERCIAL GRADE EQUIPMENT

Built for endurance, this all metal housing is rated IP67, which means it is protected from water and dust. Mount this camera anywhere with its 3-axis cable management bracket. Additional junction boxes and brackets are available for additional installation options, and help further protect your cables and connections.

PRODUCT SPECIFICATIONS

CAMERA	
Image Sensor	1/2.8" CMOS
Max. Resolution	3840 (H) x 2160 (V)
ROM	128 MB
RAM	1 GB
Scanning System	Progressive
Electronic Shutter Speed	Auto / Manual / 1/3 s - 1/100,000 s
Min. Illumination	0.007 lux @ F1.5 (Color, 30 IRE) 0.0007 lux @ F1.5 (B/W, 30 IRE) 0 lux (Illuminator on)
S / N Ratio	> 56 dB
Illumination Distance	131.23 ft
Illuminator On / Off Control	Auto / Manual
Illuminator Number	2 (IR LED)
Pan / Tilt / Rotation Range	Pan: 0°-360°; Tilt: 0°-78°; Rotation: 0°-360°

LENS	
Lens Type	Motorized Varifocal
Lens Mount	φ14
Focal Length	2.7 mm - 13.5 mm
Max. Aperture	F1.5
Field of View	Horizontal: 109° - 30° Vertical: 56° - 17° Diagonal: 131° - 35°
Iris Control	Fixed
Close Focus Distance	2.62 ft
DORI Distance	Detect: 289.70 ft; Observe: 115.81 ft; Recognize: 58.07 ft; Identify: 28.87 ft

INTELLIGENCE	
Perimeter Protection	Tripwire, Intrusion (Support the classification and accurate detection of vehicle and human)
Smart Image Self-Adaptation	Yes
Quick Pick	With Intelligent NVR, quickly pick up the human / vehicle targets that users are interested in from ID+ events
Smart Search	Work together with Intelligent 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+
AI Coding	AI H.265; AI H.264
Video Frame Rate	Main stream: 3840 × 2160 @ (1 - 25 / 30) fps Sub stream 1: 704 × 576 @ (1 - 25 fps) / 704 × 480 @ (1 - 30 fps) Sub stream 2: 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
Stream Capability	3 Streams
Resolution	8M (3840 × 2160); 6M (3072 × 2048); 5M (3072 × 1728 / 2592 × 1944); 4M (2688 × 1520); 3.6M (2560 × 1440); 3M (2048 × 1536); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576 / 704 × 480); CIF (352 × 288 / 352 × 240); VGA (640 × 480)
Bit Rate Control	CBR / VBR

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PRODUCT SPECIFICATIONS CONT.

VIDEO CONT.	
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
Scene Self-Adaptation (SSA)	Yes
White Balance	Auto; Natural; Street Lamp; Outdoor; Manual; Regional Custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	Off / On (4 Areas, Rectangular)
Image Stabilization	Electronic Image Stabilization (EIS)
Region of Interest (ROI)	Yes (4 Areas)
Defog	Yes
AFSA	Yes
Image Rotation	0° / 90° / 180° / 270° (support 90° / 270° with 2688 × 1520 resolution and lower)
Mirror	Yes
Privacy Masking	4 Areas

AUDIO	
Built-In MIC	Yes
Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723

ALARM	
Alarm Event	No SD Card; SD Card Full; SD Card Error; Service Life Warning; Network Disconnection; IP Conflict; Illegal Access; Motion Detection; Video Tampering; Intrusion; tripwire; Scene Changing; Audio Detection; Voltage Detection; Defocus Detection; ID+; Safety Exception

NETWORK	
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; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP

NETWORK CONT.	
Cyber Security	Video Encryption; Firmware Encryption; Configuration Encryption; Digest; WSSE; Account Lockout; Security Logs; IP / MAC Filtering; Generation and importing of X.509 Certification; Syslog; HTTPS; 802.1x; Trusted Boot; Trusted Execution; Trusted Upgrade
Interoperability	ONVIF (Profile S / Profile G / Profile T); CGI; P2P; Milestone; Genetec
User / Host	20 (Total Bandwidth: 64 M)
Storage	FTP; SFTP; Optional Memory Card (Support Max. 256 G); NAS
Browser	IE; IE11; Chrome; Firefox
Management Software	VMS; VMX; VMX+; VMX-M
Mobile Client	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: UL62368-1 & CAN / CSA C22.2 No. 62368-1-14

POWER	
Power Supply	12 VDC / PoE (802.3 af)
Power Consumption	Basic: 5.7 W (12 VDC); 6.4 W (PoE) Max. (WDR + IR intensity + Intelligence): 8.9 W (12 VDC); 10.2 W (PoE)

ENVIRONMENT	
Operating Temperature	-22 °F to 140 °F / Less than 95% RH
Storage Temperature	-40 °F to 140 °F
Protection	IP67

STRUCTURE	
Casing	Metal
Product Dimensions	4.26" × Φ4.8"
Net Weight	1.58 lbs
Gross Weight	2.02 lbs

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ADDITIONAL PRODUCTS



OPTIVIEW's VIDEO MONITORING SOFTWARE
Remote Monitoring



NVR16P16-4I
16 Channel 4K NVR with Built-In EPoE



IP4MIAB-28-SDAD
4MP Smart Dual Illumination Armor Ball

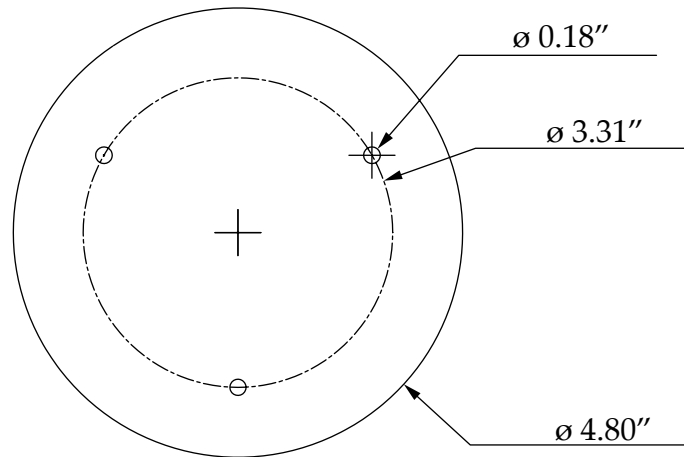
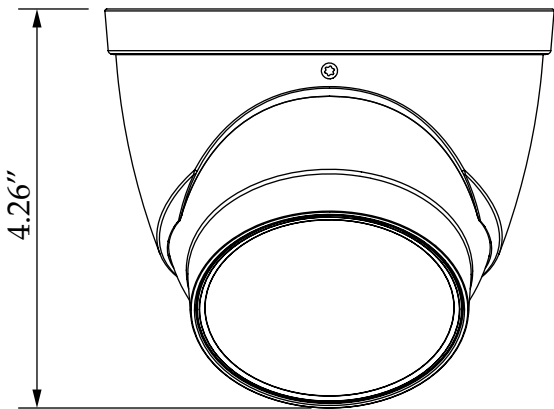


IP8MIBC-212-ZA
4K / 8MP IP Bullet Camera with Audio



IP2MPTZ-4XSL
2MP 4x Optical Zoom Armor Dome PTZ

DIMENSIONS

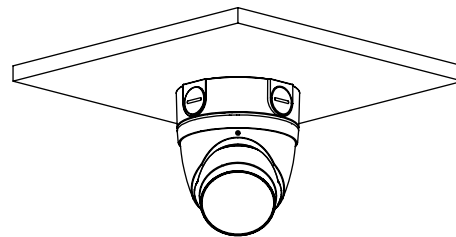


COMPATIBLE BRACKETS



JB137
Junction Box for HD & IP Camera

MOUNTING OPTIONS



Junction Mount