

# Optiview



## IP4MIAD-212-ZSM

4 MP IR Varifocal Armor Dome IP Camera



### 4MP IP

Capture HD video footage with 4MP IP 2.7 ~ 13.5MM variable focus lens with a maximum aperture of F1.5



### 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 & IK10

All metal aluminum housing for indoor and outdoor installations with IK10 vandal rating.



### WDR

Wide Dynamic Range or (WDR) gives this camera the capability to handle brighter and darker conditions.

## 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.

## 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 IP4MIAD-212-ZSM comes with a built-in mic to help give you even more protection than a traditional still video.

### ID+

Intelligent Motion Detection Plus, or ID+, is an upgraded version of ID that greatly improves the alarm accuracy only triggering motion detect when people or vehicles are detected, filtering out tree movement, lighting changing, and more.

## COMMERCIAL GRADE EQUIPMENT

Built for endurance, this all metal housing is rated IP67, which means it is protected from water and dust but is also vandal proof resistant rating of IK10. Mount this camera anywhere with it's 3-axis cable management bracket. Additional junction boxes and brackets are available for additional installation options, and help further protect your cables and connections.

# IP4MIAD-212-ZSM

## 4 MP IR Varifocal Armor Dome IP Camera



### SMART H.265+

Reduce bit rate and storage requirements by up to 80% when compared to standard H.265 (up to 90% vs H.264), allowing video to be stored for longer periods of time.

### PRODUCT SPECIFICATIONS

CAMERA	
Image Sensor	1 / 2.9" CMOS
Max. Resolution	2688 ( H ) x 1520 ( V )
ROM	128 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto / Manual / 1 / 2s - 1 / 100,000s
Min. Illumination	0.008 lux @ F1.5 ( Color, 30 IRE ) 0.0008 lux @ F1.5 ( B/W, 30 IRE ) 0 lux ( Illuminator on )
S / N Ratio	> 56 dB
Illumination Distance	131.23 ft ( IR LED )
Illuminator On / Off Control	Auto; Manual
Illuminator Number	2 ( IR LED )
Pan / Tilt / Rotation Range	Pan: 0° – 355°; Tilt: 0° – 67°; Rotation: 0° – 355°

LENS	
Lens Type	Motorized Varifocal
Lens Mount	φ14
Focal Length	2.7 mm - 13.5 mm
Max. Aperture	F1.5
Field of View	H: 104° – 29°; V: 54° – 16°; D: 125° – 34°
Iris Control	Fixed
Close Focus Distance	2.62 ft
DORI Distance	Detect: 209.97 ft; Observe: 83.99 ft; Reserve: 41.99 ft; Identify: 20.99 ft

INTELLIGENCE	
Perimeter Protection	Intrusion, Tripwire ( The two functions support the classification and accurate detection of vehicle and human )
Smart 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: 2688 × 1520 @ ( 1 – 20 fps ) / 2560 × 1440 @ ( 1 - 25 / 30 fps ) Sub stream: 704 × 576 @ ( 1 – 25 fps ) / 704 × 480 @ ( 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
Stream Capability	2 Streams
Resolution	2688 × 1520 ( 2688 × 1520 ); 2560 × 1440 ( 2560 × 1440 ); 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.264: 32 kbps – 6144 kbps H.265: 12 kbps – 6144 kbps
Day / Night	Auto ( ICR ) / Color / B/W
BLC	Yes
HLC	Yes
WDR	120 dB
White Balance	Auto; Natural; Street Lamp; Outdoor; Manual; Regional Custom
Gain Control	Manual; Auto
Noise Reduction	3D NR
Motion Detection	Off / On ( 4 Areas, Rectangular )
Region of Interest ( ROI )	Yes ( 4 Areas )
Smart Illumination	Yes
Image Rotation	0° / 90° / 180° / 270° ( Support 90° / 270° with 2688 × 1520 resolution and lower )
Mirror	Yes
Privacy Masking	4 Areas

# IP4MIAD-212-ZSM

4 MP IR Varifocal Armor Dome IP Camera



## PRODUCT SPECIFICATIONS CONT.

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

ALARM	
Alarm Event	No SD Card; SD Card Full; SD Card Error; Network Disconnection; IP Conflict; Illegal Access; Motion Detection; Video Tampering; Tripwire; Intrusion; Audio Detection; Voltage Detection; Defocus Detection; ID+; Security 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; NTP; Multicast; ICMP; IGMP
Interoperability	ONVIF ( Profile S / Profile T ); CGI; P2P; Milestone
User / Host	6 ( Total Bandwidth : 36 M )
Storage	FTP; SFTP; Optional Memory Card Slot ( Support Max. 256 GB )
Browser	IR; Chrome; Firefox
Management Software	VMS; VMX; VMX+; VMX-M
Mobile Client	iOS; Android
Cyber Security	Video 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

CERTIFICATION	
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014 / 30 / EU; FCC: 47 CFR FCC Part 15, Subpart B

POWER	
Power Supply	12 VDC / PoE ( 802.3af )
Power Consumption	Basic: 2.3 W ( 12 VDC ); 3.2 W ( PoE ) Max. ( H.265 + intelligence on + WDR + IR on ): 6.4 W ( 12 VDC ); 7.6 W ( PoE )

ENVIRONMENT	
Operating Temperature	-22 °F to 140 °F
Operating Humidity	≤ 95%
Storage Temperature	-40°F to 140°F
Protection	IP67; IK10

STRUCTURE	
Casing Material	Metal
Product Dimensions	3.68" × Φ4.80"
Net Weight	1.08 lbs
Gross Weight	1.46 lbs

## ADDITIONAL PRODUCTS



**OPTIVIEW'S VIDEO MONITORING SOFTWARE**  
Remote Monitoring



**NVR32-81**  
32 Channel 4K 2U NVR  
With Analytics



**IP4MIAB-28-AD**  
4MP Fixed Bullet  
Camera With Built-In Mic



**IP8MIBC-28**  
Night Color 2x 4MP Wide  
Angle Bullet Camera



**IP2MPTZ-12X**  
2 MP 12x Optical Zoom  
PTZ Camera

# IP4MIAD-212-ZSM

4 MP IR Varifocal Armor Dome IP Camera



## COMPATIBLE BRACKETS



**JB137**

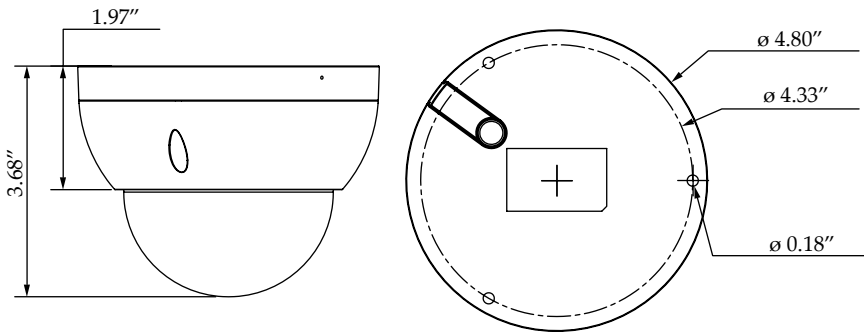
Junction Box for  
HD & IP Camera



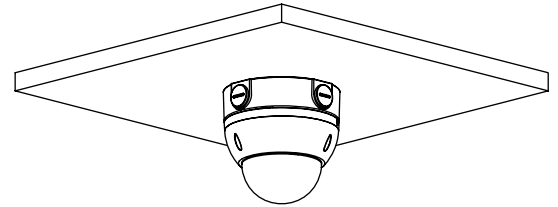
**HDBKT2**

Armor Dome Camera  
Wall Mount Bracket

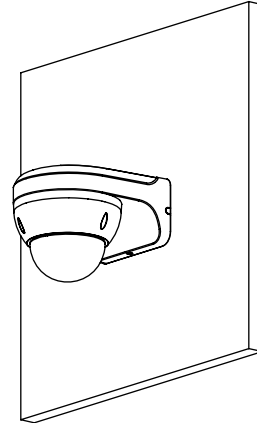
## DIMENSIONS



## MOUNTING OPTIONS



**Ceiling Mount**



**Wall Mount**