

OPTIVIEW



IP4MIAD-212-Z-NCV

4MP Network IR Fixed Armor Dome Camera



4MP IP

Capture HD video footage with 4MP IP 2.8 ~ 12MM variable focus lens with a maximum aperture of F1.6



131FT IR

High powered night vision with a minimum illumination of 0.003 LUX and IR.



102.7 ~ 30.8°

Capture even more with an ultra-wide varifocal 102.7 ~ 30.8° view with no distortion.



IP67

All metal aluminum housing for indoor and outdoor installations with 2KV lightning rating.



WDR

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

ULTRA 265 COMPRESSION

Using advanced video encoding, Ultra 265 provides high-quality video while helping reduce the storage space needed to retain your video events. By detecting motion in each frame instead of degrading resolution, Ultra 265 helps you save up to 95% storage space and up to 75% storage cost.

UP TO 131FT IR DISTANCE

The IP4MIAD-212-Z-NCV is capable of producing a stunningly clear, colorful video with low illuminance enhancement for darker environments. In the darkest environments, on board IR illumination kicks in. The IP4MIAD-212-Z-NCV provides clear video capture in both day and night with high definition video output.

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 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.

AUTOMATIC NETWORK REPLENISHMENT (ANR) TECHNOLOGY

The IP4MIAD-212-Z-NCV when connected to an ANR compatible Network Video Recorder will automatically store video data on the internal memory card when the network is disconnected. After recovery to the network, the NVR automatically retrieves the video data stored on the camera.

EDGE RECORDING

Optional edge recording with an optional memory card expandable up to 256GB.

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PRODUCT SPECIFICATIONS

CAMERA		
Sensor	1/3", 4.0 megapixel, progressive scan, CMOS	
Minimum Illumination	Colour: 0.003 lux (F1.6, AGC ON) 0 lux with IR	
Day / Night	IR-cut filter with auto switch (ICR)	
Shutter	Auto/Manual, 1 ~ 1/100000s	
Adjustment Angle	Pan	3° to 360°
	Tilt	0° ~ 70°
	Rotate	3° to 360°
S/N	>56dB	
WDR	120dB	

LENS	
Lens Type	2.8 ~ 12mm, AF automatic focusing and motorized zoom lens
Iris	Fixed
Field of View (H)	102.79°~ 30.86°
Field of View (V)	54.50°~ 17.49°
Field of View (D)	106.94°~35.49°

DORI	
DORI Distance	Detect: 206.6ft ~ 885.8ft
	Observe: 82.6ft ~ 354.3ft
	Recognize: 41.3ft ~ 177.1ft
	Identify: 20.6ft ~ 88.5ft

ILLUMINATOR	
IR Range	Up to 131ft IR range
Wavelength	850nm
IR On / Off Control	Auto / Manual

VIDEO	
Video Compression	Ultra 265, H.265, H.264, MJPEG
H.264 code profile	Baseline Profile, Main Profile, High Profile
Frame Rate	Main Stream: 4MP (2688*1520), Max 25fps; 4MP (2560*1440), Max 25fps; 3MP (2304*1296), Max 30fps; 1080P (1920*1080), Max 30fps;
	Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps;

VIDEO CONT.	
Video Bit Rate	128 Kbps ~ 16 Mbps
U-code	Support
OSD	Up to 4 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Dual streams

IMAGE	
White Balance	Auto / Outdoor / Fine Tune / Sodium Lamp / Locked / Auto2
Digital Noise Reduction	2D / 3D DNR
Smart IR	Support
Flip	Normal / Vertical / Horizontal / 180° / 90°Clockwise / 90°Anti-clockwise
Dewarping	N/A
HLC	Supported
BLC	Supported
Defog	Digital Defog

EVENTS	
Basic Detection	Cross Line, Intrusion(based on Human Body Detection)
	Motion Detection, Ultra Motion Detection, Tampering Alarm, Audio Detection
General Function	Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication

AUDIO	
Audio Compression	G.711U, G.711A
Audio Bitrate	64 Kbps
Two-way Audio	N/A
Suppression	Support
Sampling Rate	8KHZ

STORAGE	
Edge Storage	Memory Card Slot, up to 256GB
Network Storage	ANR, NAS(NFS)

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PRODUCT SPECIFICATIONS CONT.

NETWORK	
Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL/TLS, QoS, 802.1x, SNMP
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User / Host	Up to 32 users. 2 user levels: administrator and common user
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client	Optiview VMSN, Optiview VMSN Mobile
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above
	Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above

GENERAL	
Power	DC 12V±25%, PoE (IEEE 802.3af)
	Power consumption: Max 7.5W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (Ø x H)	Ø5.0" x 3.9"
Weight	1.43lb
Material	Metal + Plastic
Working Environment	-22°F ~ 140°F, Humidity: ≤95% RH (non-condensing)
Storage Environment	-22°F ~ 140°F, Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
Reset Button	Support

INTERFACE	
Audio I/O	N/A
Alarm I/O	N/A
Serial Port	N/A
Built-in Mic	Support
Built-in Speaker	N/A
WIFI	N/A
Network	1 * RJ45 10M/100M Base-TX Ethernet
Video Output	N/A

CERTIFICATION	
EMC	CE-EMC (EN 55032: 2015+A1:2020, EN 61000-3-3: 2013+A1: 2019, EN IEC 61000-3-2: 2019+A1: 2021, EN 55035: 2017+A11:2020) FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN 62368-1:2014+A11:2017) CB (IEC 62368-1:2014) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529:1989+AM-D1:1999+AMD2:2013) IK10 (IEC 62262:2002)

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ADDITIONAL PRODUCTS



IP5MIBC-28-SDA-NCV
4MP NDA Compliant
Bullet Camera



IP4MIAB-212-SDA-NCV
4MP NDA Compliant
Armor Ball Camera



NVR16P164K-2-NCV
16 Channel 16 PoE 4K
NDA Compliant NVR



GMC-256GB
256GB Memory Card



AP5GV3
5.8 GHz Wireless Bridge

DIMENSIONS

