



4MP Armor Dome Varifocal Camera w/ Built-in Mic

SKU: IP4MIAD-212AU-NCV

- 2.8mm-12mm Varifocal Armor Dome
- 4MP Resolution at 2688 (H) x 1520 (V)
- Color Illumination at 0.003 LUX and 131ft IR
- True 120 dB WDR
- Memory Card Slot up to 512GB
- IP67 Weatherproof and IK10 Vandal Resistance



NCV SERIES



Ultra Motion Detection

Utilizing machine learning and data intelligence, Ultra Motion Detection or UMD helps you filter out objects based on motion detection, detecting motion of specified object types in the image, and trigger an alarm when such motion is detected. UMD supports two different object types: Person and Vehicle. UMD provides a detection rate of >90% up to 49ft and is more efficient than traditional motion detection, further reducing false-alarms. Ultra Motion Detection can be configured to your full screen or specific area(s) for detection.

ANR Technology

The IP4MIAD-212AU-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 slot expandable up to 512GB.

Up To 131FT IR Distance

The IP4MIAD-212AU-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-212AU-NCV provides clear video capture in both day and night with high definition video output.

NDA A Compliance

The John S. McCain National Defense Authorization Act (NDAA) is a United States federal law which specifies the budget, expenditures and policies of the U.S. Department of Defense. For Fiscal Year 2019, the NDAA Section 889, prohibits the U.S. government from procuring video and telecommunication equipment from certain Chinese companies and their subsidiaries. Some non government projects may require NDAA compliance if federal funding is being used.

Built-in Mic

The IP4MIAD-212AU-NCV 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.

ULTRA 265 Compression

Utilizing H.265 advanced video encoding, provides high-quality video while reducing the storage space needed to retain your video events. Users can add their own memory card to take advantage of its edge recording capabilities.

Product Specifications

CAMERA	
Max Resolution	4MP
Sensor	1/3.0" CMOS
Min. Illumination	Color: 0.003 lux (F1.6, AGC ON) 0 lux with IR on
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto / Manual, 1 ~ 1/100000s
Adjustment Angle	Pan: 3° ~ 360°, Tilt: 0° ~ 70°, Rotate: 3° ~ 360°
S/N	>52dB
WDR	120dB

LENS	
Focal Length	2.8 ~ 12 mm
Iris Type	Fixed
Iris	F1.6
Field of View (H)	91.5°~34°
Field of View (V)	51.0°~18.9°
Field of View (D)	96.0°~36.9°

DORI	
DORI Distance (Lens)	2.8mm, 12mm
Detect	206.7ft, 885.8ft
Observe	82.7ft, 354.3ft
Recognize	41.3ft, 177.2ft
Identify	20.7ft, 88.6ft

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.

ILLUMINATOR	
Supplemental Light	IR
Illumination Distance (IR)	131.2 ft
IR On / Off Control	Auto / Manual
Wavelength	850 nm

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; 720P (1280 * 720), Max 30fps; Sub Stream: 720P (1280 * 720), Max 30fps; D1 (720 * 576), Max 30fps; 640 * 360, Max 30fps;
Video Bit Rate	128 Kbps ~ 6144 Kbps
U-code	Support
OSD	Up to 4 OSDs
Privacy Mask	Up to 4 areas
ROI	Support
Video Stream	Dual Streams

IMAGE	
White Balance	Auto; Outdoor; Fine Tune; Sodium Lamp; Locked; Auto2
Digital Noise Reduction	2D / 3D DNR
Smart IR	Support

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Product Specifications Cont.

IMAGE CONT.	
Flip	Normal; Flip Vertical; Flip Horizontal; 180°; 90° Clockwise; 90° Anti-clockwise
Dewarping	N/A
HLC	Support
BLC	Support
Defog	Digital Defog

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

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

STORAGE	
Edge Storage	Memory Card Slot up to 512 GB
Network Storage	ANR; NAS (NFS)

NETWORK	
Protocols	IPv4; IGMP; ICMP; ARP; TCP; UDP; DHCP; RTP; RTSP; RTCP; RTMP; DNS; DDNS; NTP; FTP; UPnP; HTTP; HTTPS; SMTP; SSL/TLS; QoS; 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, Optiview Cloud VCS

NETWORK CONT.	
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

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 x RJ45 10M/100M Base-TX Ethernet
Video Output	N/A

CERTIFICATION	
EMC	CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035) FCC (FCC 47 CFR part15 B)
Safety	CE LVD (EN 62368-1) CB (IEC 62368-1) UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU);
Protection	IP67 (IEC 60529) IK10 (IEC 62262)

GENERAL	
Power Interface	Ø 5.5 mm coaxial power plug
Dimensions	Ø5.0" x 3.9" (Ø x H)
Weight	1.46lb
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
Web Client Language	4 Languages English, Russian, Spanish, Vietnamese

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Additional Products



OPTIVIEW's VIDEO MONITORING SOFTWARE
Remote Monitoring



NVR8S-1-NCV
4K 8MP 8 Channel 1U NVR with Analytics



IP4MIAB-212-SDAU-NCV
4MP Varifocal IP Armor Ball Camera w/ Mic



IP8MIAB-212-NCV
8MP Varifocal Armor Ball IP Camera w/ Analytics



IP4MPTZ25SIR-NCV
NDAA Compliant 4MP 25x Starlight PTZ

Compatible Brackets



BKT-04
Junction Box for Armor Dome Cameras

Dimensions

