



OPTIVIEW



IP4MIAD-28-NCV

4 Megapixel Fixed Armor Dome IP NDAA Compliant Camera



4MP IP

Capture HD video footage with 4MP IP 2.8 fixed lens with a maximum aperture of F1.6



UMD

Human and Vehicle detection accuracy enhanced by machine learning reducing false alarms and enhancing security.



101° View

Capture even more with an ultra-wide varifocal 101° view with no distortion.



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.

ULTRA MOTION DETECTION

Utilizing machine learning and data intelligence, Ultra Motion Detection or UMD helps you filter out object 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.

EDGE RECORDING

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

UP TO 98FT IR DISTANCE

The IP4MIAD-28-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-28-NCV provides clear video capture in both day and night with high definition video output.

AUTOMATIC NETWORK REPLENISHMENT (ANR) TECHNOLOGY

The IP4MIAD-28-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. Memory card not included.

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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.

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.

NDAA 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.

PRODUCT SPECIFICATIONS

CAMERA	
Sensor	1/3", 4.0 megapixel, progressive scan, CMOS
Minimum Illumination	Color: 0.003 lux (F1.6, AGC ON) 0Lux with IR
Day / Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 ~ 1/100000s
Adjustment Angle	Pan: 3° ~ 360°
	Tilt: 0° ~68°
	Rotate: 3° ~360°
S/N	>56dB
WDR	120dB

LENS	
Lens Type	2.8mm @F1.6
Iris	Fixed
Field of View	101.1° (H), 55.3° (V), 111.1° (D)

DORI	
DORI Distance	Detect: 206ft, Observer: 82ft, Recognize: 41ft, Identify: 20ft

ILLUMINATOR	
IR Range	Up to 98ft 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; 2MP (1920 * 1080), Max 30fps;
	Sub Stream: 720P (1280 * 720), Max 30fps; D1 (720 * 576), Max 30fps; 640 * 360, Max 30fps;
Video Bit Rate	128 Kbps ~ 16 Mbps
U-code	Supported
OSD	Up to 4 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Dual streams

IMAGE	
Smart IR	Supported

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PRODUCT SPECIFICATIONS CONT.

IMAGE CONT.	
White Balance	Auto / Outdoor / Fine Tune / Sodium Lamp / Locked / Auto2
Digital Noise Reduction	2D / 3D DNR
Flip	Normal / Vertical / Horizontal / 180° / 90° Clockwise / 90° Anti-Clockwise
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
General Function	Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication, HTTP Authentication

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

NETWORK	
Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL/TLS, 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	VMSN, 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

INTERFACE	
Audio I/O	N/A
Alarm I/O	N/A
Serial Port	N/A
Built-in Mic	N/A
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)

GENERAL	
Power	DC 12V±25%, PoE (IEEE 802.3af) Power Consumption: Max5.5W
Power Interface	Ø 5.5mm Coaxial Power Plug
Dimensions (Ø x H)	Ø 4.3" x 3.2"
Weight	0.35kg (0.77lb)
Working Environment	-22°F ~ 140°F Humidity: ≤5% RH (non-condensing)
Storage Environment	-22°F ~ 140°F Humidity: ≤5% RH (non-condensing)
Surge Protection	4KV
Reset Button	N/A

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ADDITIONAL PRODUCTS



OPTIVIEW'S VIDEO MONITORING SOFTWARE
Remote Monitoring



NVR16P164K-2-NCV
16 Channel 16 PoE
4K NDAA NVR



IP4MIAB-28-AD-NCV
4MP Active Deterrence
Fixed Armor Ball Camera



IP160P-NCV
2x 4MP Multi-Sensor
160° Panoramic Camera



IP2MPTZ4SIRD-NCV
2MP Dual Lens PTZ
Camera with 4X Zoom

COMPATIBLE BRACKETS

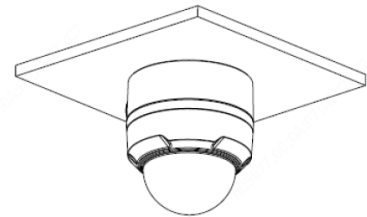


BKT-03
Junction Box for
HD & IP Camera

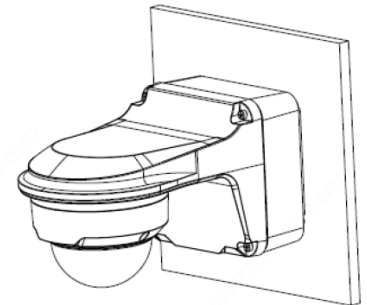


BKT-05
Armor Dome Camera
Wall Mount Bracket

MOUNTING OPTIONS



Ceiling Mount



Wall Mount

DIMENSIONS

