



OPTIVIEW



IP8MIBC-28-NCV

4K Fixed Mini Bullet Camera



4K IP

Capture HD video footage with 8MP IP 2.8MM fixed focus lens with a maximum aperture of F1.6



UMD

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



WDR

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



IP67

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



Built-In Audio

The camera comes with an audio input cable to help you get even more data from every device.

4K RESOLUTION

4K resolution captures images four times the pixel density of 1080P which means that the finer details, such as faces or smaller items can be viewed with more detail than traditional 1080P surveillance.

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 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.

AUTOMATIC NETWORK REPLENISHMENT (ANR) TECHNOLOGY

The IP8MIBC-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.

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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.

BUILT-IN AUDIO

The IP8MIBC-28-NCV comes with a built-in mic to help give you even more protection than a traditional still video.

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.

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.

EDGE RECORDING

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

PRODUCT SPECIFICATIONS

CAMERA	
Sensor	1/2.7", 8.0 Megapixel, Progressive Scan, CMOS
Min. Illumination	Colour: 0.005 Lux (F1.6, AGC On) 0 Lux with IR On
Day / Night	IR - Cut Filter with Auto Switch (ICR)
Shutter	Auto / Manual, 1 - 1/100,000s
Pan / Tilt / Rotation Range	Pan: 0° - 360°; Tilt: 0° - 90°; Rotate: 0° - 360°
S / N	>56 dB
WDR	120 dB

LENS	
Lens Type	2.8mm @ F1.6
Iris	Fixed
Field of View	112.9° (H); 59.1° (V); 121.2° (D)
DORI Distance	Detect: 275.5 ft; Observe: 110.2 ft; Recognize: 55.1 ft; Identify: 27.5 ft

ILLUMINATOR	
IR Range	Up to 164 ft
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: 8MP (3840 * 2160), Max 20fps; 5MP (3072 * 1728), Max 30fps; 4MP (2560 * 1440), Max 30fps; 1080P (1920 * 1080), Max 30fps; Sub Stream: 1080P (1920 * 1080), Max 30fps; 720P (1280 * 720), Max 30fps; D1 (720 * 576), Max 30fps; 640 * 360, Max 30fps; 2CIF (704 * 288), Max 30fps; CIF (352 * 288), Max 30fps;
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 / Auto 2
Digital Noise Reduction	2D / 3D DNR
Smart IR	Support

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PRODUCT SPECIFICATIONS CONT.

IMAGE CONT.	
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, Audio 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 Bit Rate	65 Kbps
Two-Way Audio	N / A
Suppression	Supported
Sampling Rate	8 KHZ

NETWORK	
Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, 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 and 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 and Above, Firefox 58 and Above, Edge 16 and Above

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

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 + A1: 2020) FCC (FCC CFR 47 part 15 B, ANSI C63.4-2014)
Safety	CE LVD (EN 62368-1:2014 + A1: 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 + AMD1: 1 999 + AMD2: 2013)

GENERAL	
Power	12 V DC ±25%, PoE (IEEE802.3 af) Power Consumption: Max 6.5W
Power Interface	Ø 5.5mm Coaxial Power Plug
Dimensions	7.5" (L) x 2.9" (W) x 2.8" (H)
Weight	0.99 lbs
Working Environment	-22°F - 140°F, Humidity: ≤95% RH (non-condensing)
Storage Environment	-22°F - 140°F, Humidity: ≤95% RH (non-condensing)
Surge Protection	4 KV
Reset Button	Support

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ADDITIONAL PRODUCTS



OPTIVIEW's VIDEO MONITORING SOFTWARE
Remote Monitoring



NVR64-8-NCV
64 Channel NDA
Compliant RAID NVR



IP160P-NCV
4MP Wide Angle Fixed
Bullet Night Color Camera

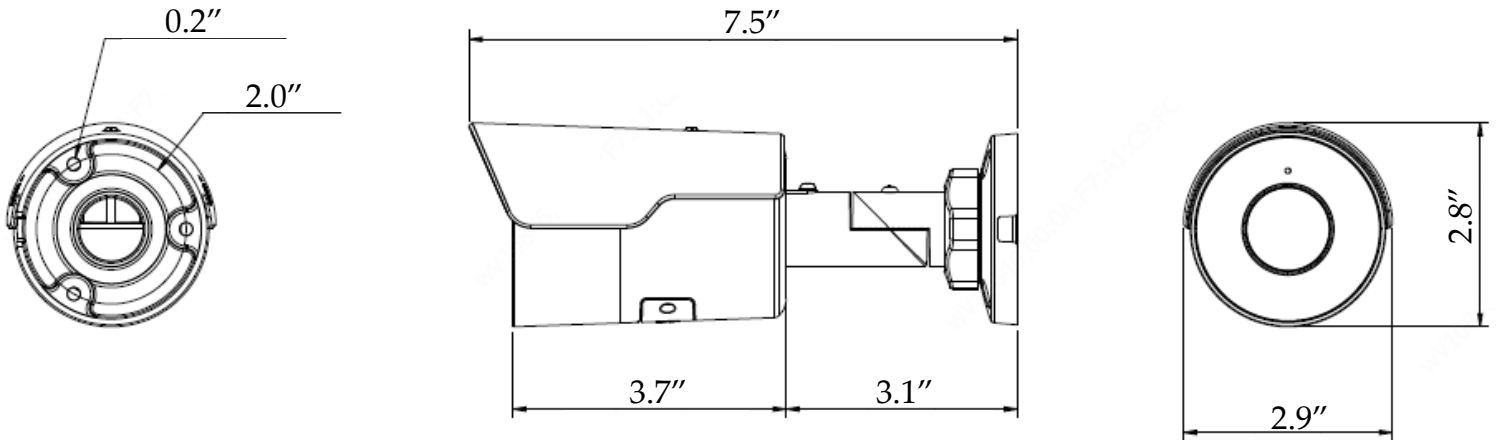


IP4MIAB-28-AD-NCV
4MP Armor Ball Camera
with Active Deterrence



IP2MPTZ33-NCV
2MP 33X Starlight PTZ
Camera

DIMENSIONS



COMPATIBLE BRACKETS



BKT-09
Junction Box for
NDA Compliant Cameras