



# OPTIVIEW



## IP8MIAB-28-SD-NCV

8MP IP Armor Ball Camera w/ Built-in Mic & Edge Recording



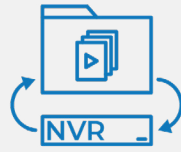
### 8MP IP

Capture 4K video footage with 8MP IP 2.8MM fixed focus lens with a maximum aperture of F1.6



### WDR

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



### ANR

Automatic Network Replenishment (ANR) Technology helps provide backup NVR redundancy



### IP67

All metal aluminum housing for indoor and outdoor installations with 4KV lightning rating.



### Built-In Mic

This camera comes with a Built-In Mic getting you even more data and protection from your 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.

## UP TO 98FT IR DISTANCE

The IP8MIAB-28-SD-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 IP8MIAB-28-SD-NCV provides clear video capture in both day and night with high definition video output.

## ANR TECHNOLOGY

The IP8MIAB-28-SD-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 256GB.

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## 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.

## BUILT-IN MIC

The IP8MIAB-28-SD-NCV comes with a built-in mic to help give you even more protection than a traditional still video.

## 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.

## PRODUCT SPECIFICATIONS

CAMERA	
Sensor	1/2.7", 8.0 megapixel, progressive scan, CMOS
Min. Illumination	Color: 0.01 lux (F1.6, AGC ON) 0Lux with IR on
Day / Night	IR-cut filter with auto switch (ICR)
Shutter	Auto / Manual, 1 ~ 1/100000s
Adjustment angle	Pan: 0° ~ 360°
	Tilt: 0° ~ 75°
	Rotate: 0° ~ 360°
S/N	>56dB
WDR	120dB

LENS	
Lens Type	1/2.7", 8.0 megapixel, progressive scan, CMOS
Field of View (H, V, D)	112.9°, 59.1°, 121.2°

DORI	
DORI Distance	Detect: 206.693ft
	Observe: 82.677ft
	Recognize: 41.338ft
	Identify: 20.669ft

ILLUMINATOR	
IR Range	Up to 98ft IR range

ILLUMINATOR CONT.	
IR Range	Up to 98ft IR range
Wavelength	850nm
IR On / Off Control	Auto / Manual

VIDEO	
Video Compression	H.265, H.264, MJPEG
H.264 Code Profile	Baseline Profile, Main Profile, High Profile
Frame Rate	Main Stream: 8MP ( 3840 * 2160 ) @ 15fps; 5MP ( 2880 * 1620 ) @ 25/20fps; 4MP ( 2560 * 1440 ) @ 25/20fps; 3MP ( 2304 * 1296 ) @ 30/25fps; 2MP ( 1920 * 1080 ) @ 30/25fps
	Sub Stream: 720P ( 1280 * 720 ) @ 30/25fps; D1 ( 720 * 576 ), Max 30fps; 640 * 360, Max 30fps;
Video Bit Rate	128 Kbps~16384 kbps
Smart Encoding	Supported
OSD	Up to 4 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas

IMAGE	
White Balance	Auto / Outdoor / Fine Tune / Sodium Lamp / Locked / Auto2
Image Setting	Image Rotation, Brightness, Saturation, Contrast, Sharpness, Gain Adjustable By Web Browser

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## PRODUCT SPECIFICATIONS CONT.

IMAGE CONT.	
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	
Behavior Detection	Tripwire, Intrusion(Based On Human Body Detection) Motion Detection, Tampering Alarm, Audio Detection
General Function	Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication

AUDIO	
Audio Compression	G.711A,G.711U
Suppression	Supported
Sampling Rate	8KHZ

STORAGE	
Edge Storage	Memory card slot, up to 256GB
Network Storage	NAS(NFS)

NETWORK	
User / Host	Up to 32 users. 2 user levels: administrator and common user
Protocols	IPV4, IPV6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP,SSL, TLS, SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
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

NETWORK CONT.	
Web Browser	Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+

INTERFACE	
Audio I/O	N/A
Alarm I/O	N/A
RS485	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)

GENERAL	
Power	DC 12V±25%, PoE (IEEE 802.3af) Power Consumption: Max 4.0W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (Ø x H)	Ø4.4" x 3.7"
Weight	1.21lb
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	4KV
Reset Button	N/A

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## ADDITIONAL PRODUCTS



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



**NVR16P164K-2I-NCV**  
NDAA Compliant 16 Channel / 16 PoE 4K NVR



**IP8MIAB-28-SDAI-NCV**  
8MP Armor Ball IP Camera w/ Mic & Analytics



**IP8MIBC-212-NCV**  
8MP Varifocal IP Bullet Camera w/ Analytics



**IP5MPTZ-5X-NCV**  
5MP 5x Zoom Mini PTZ w/ Built in Mic / Speaker

## COMPATIBLE BRACKETS



**BKT-03**  
Wall Mount Bracket for Armor Dome Cameras



**BKT-05**  
Junction Box For Armor Dome Cameras

## DIMENSIONS

