

5MP Active Deterrence Armor Ball Camera with Starlight

SKU: IP5MIAB-28-ADRB-NCV

- 2.8mm Fixed with 112° View Armor Dome
- 5MP Resolution at 2880 (H) x 1620 (V)
- Red / Blue Active Deterrence LEDs
- Color Illumination at 0.001 LUX and 98ft IR
- Memory Card Slot up to 512GB
- IP67 Weatherproof and IK10 Vandal Resistance



NCV SERIES



5MP IP



Smart Intrusion
Prevention



Active
Deterrence



People
Counting

Smart Intrusion Prevention

Utilizing machine learning and data intelligence, Smart Intrusion Prevention or SIP helps reduce false-alarm rates by allowing you to set up Cross Line Detection, Intrusion Detection, as well as Enter / Leave Area, all which can do any combination of human/vehicle/non-motor vehicle recognition. Smart Intrusion Prevention's detection rate of >95% helps you improve your perimeter protection, reduce false alarms while keeping you informed about the events that matter the most to you.

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.

Active Deterrence

Active deterrence devices actively warn off our scare potential intruders using a variety of features including but not limited to: flashing white, red, blue light LEDs, Sirens, Recorded Audio, and Built-In Mic. Active deterrence helps you stay proactive instead of retroactive in your security operations.

Face Capture

Face capture automatically detects faces and automatically takes a snapshot. When paired with a recorder, the face snapshot can then be analyzed for specific face detection characteristics and compare against an internally managed face database to trigger alerts based on allow and block lists.

People Counting

People counting is an intelligent feature that allows users to monitor and track the number of individuals entering or exiting a defined area. This is a versatile feature for various applications including retail analytics, crowd management, and security monitoring of public spaces.

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NDA 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.

Up To 98FT IR Distance

The IP5MIAB-28-ADRB-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. IP5MIAB-28-ADRB-NCV provides clear video capture in both day and night with high definition video output.

Built-in Mic

The IP5MIAB-28-ADRB-NCV comes with a built-in mic to help give you even more protection than a traditional still video.

Product Specifications

CAMERA	
Sensor	1/2.7", 5.0 megapixel, progressive scan, CMOS
Minimum Illumination	Color: 0.001 Lux (F1.0, AGC ON) 0 lux with IR on 0 lux with LED Illuminators On
Day / Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 ~ 1/100000s
Adjustment angle	Pan: 0° ~ 360° Tilt: 0° ~ 80° Rotate: 0° ~ 360°
WDR	130dB
S/N	>56dB

LENS	
Lens	2.8mm @ F1.0
Iris	Fixed
Field of View (H)	112.8°
Field of View (V)	59.4°
Field of View (D)	116.3°

ANR Technology

The IP5MIAB-28-ADRB-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.

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. 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.

DORI				
DORI Distance	Detect	Observe	Recognize	Identify
	206.69 ft	82.67 ft	41.33 ft	20.66 ft

ILLUMINATOR	
IR Range	98.4 ft
Warm Light Range	98.4 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
Video Bit Rate	128 Kbps~16 Mbps
U-code	Support
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Triple streams

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Product Specifications Cont.

VIDEO CONT.	
Frame Rate	<p>Main Stream: 5MP (2880 * 1620), Max 30fps; 4MP (2560 * 1440), Max 30fps; 3MP (2304 * 1296), Max 30fps; 1080P (1920 * 1080), Max 30fps; 720P (1280 * 720), Max 30fps;</p> <p>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;</p> <p>Third Stream: D1 (720 * 576), Max 30fps; 640 * 360, Max 30fps; 2CIF(704 * 288), Max 30fps; CIF(352 * 288), Max 30fps;</p>

IMAGE	
Auto Scene Match (ASM)	Support(Only WDR)
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	Support
BLC	Support
Defog	Digital Defog

INTELLIGENT	
Smart Intrusion Prevention	Support False Alarm Filtering: Cross Line Detection, Intrusion Detection, Enter Area Detection, Leave Area Detection
Statistical Analysis	People Counting, Support People Flow Counting And Crowd Density Monitoring
Attribute Collection	SIP with color retrieval

EVENTS	
Basic Detection	Motion Detection, Ultra Motion Detection, Tampering Alarm, Audio Detection
General Function	Watermark, IP Address Filtering, Tampering Alarm, Alarm Input, Alarm Output, Access Policy, ARP Protection, RTSP Authentication, User Authentication

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

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

NETWORK	
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
User / Host	Up to 32 users. 3 user levels: administrator, common user and operator
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
Web Browser	<p>Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above</p> <p>Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above</p>

INTERFACE	
Audio I/O	<p>Input: impedance 35kΩ; amplitude 2V [p-p]</p> <p>Output: impedance 600Ω; amplitude 2V [p-p]</p>
Alarm I/O	1/1
RS485	N/A
Built-in Mic	Support
Built-in Speaker	Support
WIFI	N/A
Network	1 * RJ45 10M/100M Base-TX Ethernet
Video Output	N/A

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Product Specifications Cont.

CERTIFICATIONS	
EMC	CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130) FCC (FCC 47 CFR part 15 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)

GENERAL	
Power	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 10.0W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (Ø x H)	Ø5.1" x 4.7"
Weight	1.53lb
Material	Metal
Operating Conditions	-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	Support
Web Client Language	20 Languages Traditional Chinese, English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese (Europe), Portuguese (Brazil), Japanese, Thai, Turkish, Spanish (Latin America), Spanish (Europe), Hungarian, Italian, Vietnamese

Compatible Brackets



BKT-02
Wall Mount with
Junction Box



BKT-04
Junction Box for Armor
Dome Cameras

Additional Products



OPTIVIEW'S VIDEO MONITORING SOFTWARE
Remote Monitoring



NVR8P8-2B-NCV
16MP 8 Channel 8 PoE 1U
NVR with Analytics



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



IP5MPTZ-4XAD-NCV
5MP Active
Deterrence PTZ



IP2MPTZ4SIRD-NCV
2MP Dual Lens Active
Deterrent PTZ

Dimensions

