



4MP Armor Ball with Built-in Mic & Edge Recording

SKU: IP4MIAB-28SX-NCV

- 2.8mm Fixed with 101.5° View Armor Ball
- 4MP Resolution at 2560 (H) x 1440 (V)
- Color Illumination at 0.01 LUX and 98ft IR
- Memory Card Slot up to 512GB
- IP67 Weatherproof



4MP IP



98FT IR



WDR



ANR



Built-In Mic

Up To 98FT IR Distance

The IP4MIAB-28SX-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 IP4MIAB-28SX-NCV provides clear video capture in both day and night with high definition video output.

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.

ANR Technology

The IP4MIAB-28SX-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.

Cross Line

Cross line detection is a feature that allows you to set virtual lines within the camera's field of view to trigger when an object crosses. This feature is particularly useful for monitoring perimeters, entrances, and other critical areas. This enhances your security by providing real-time notifications of potential events assisting in unauthorized access with quick responses.

Intrusion

Intrusion detection is one of our intelligent security features that monitors specific areas within a camera's field of view for unauthorized entry. Intrusion detection is customizable to allow users to define multiple zones by drawing and adjusting areas directly on the video feed. configure your trigger rules by time threshold, sensitivity, and percentage.

Built-in Mic

The IP4MIAB-28SX-NCV comes with a built-in mic to help give you even more protection than a traditional still video.

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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.

Product Specifications

CAMERA	
Sensor	1/2.9", 4.0 megapixel, progressive scan, CMOS
Min Illumination	Color: 0.01 lux (F F2.0 AGC ON) 0 lux with IR
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	>52dB
WDR	120dB

LENS	
Lens Type	2.8mm @F2.0
Iris	Fixed
Field of View (H)	101.5°
Field of View (V)	55.6°
Field of View (D)	111.6°

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

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.

Edge Recording

Optional edge recording with an optional memory slot expandable up to 512GB.

ILLUMINATOR	
IR Range	98ft
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 (2560 * 1440), Max 25fps; 3MP (2304 * 1296), Max 30fps; 1080P (1920 * 1080), Max 30fps; 720P (1280 * 720), Max 30fps Sub Stream:D1 (720 * 576), Max 30fps; 640 * 360,Max 30fps; 2CIF(704 * 288), Max 30fps; CIF(352 * 288), Max 30fps;
Video Bit Rate	128 Kbps~6144 kbps
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 / Auto2
Digital Noise Reduction	2D / 3D DNR
Smart IR	Support
Flip	Normal / Vertical / Horizontal / 180° / 90°Clockwise / 90°Anti-clockwise
Dewarping	N/A

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Product Specifications Cont.

IMAGE CONT.	
HLC	Support
BLC	Support
Defog	Digital Defog

EVENTS	
Basic Detection	Cross Line, 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, HTTP Authentication

STORAGE	
Edge Storage	Memory Card Slot up to 512GB
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, QoS, SSL/TLS, 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
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

INTERFACE	
WIFI	N/A
Network	1 * 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)

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)	Ø4.6" x 3.8"
Weight	0.66lb
Material	Metal + Plastic
Working / Storage Environment	-22°F ~ 140°F, Humidity: ≤95% RH (non-condensing)
Surge Protection	4KVs
Reset Button	N/A

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Additional Products



OPTIVIEW'S VIDEO MONITORING SOFTWARE
Remote Monitoring



NVR32-2B-NCV
32 Channel 4K 1U NVR w/ Analytics



IP4MIBC-28-SDA-NCV
4MP Fixed Bullet with Built-In Mic



IP4MAB-28-CNAU-NCV
4MP Night Color Armor Ball w/ Built-in Mic



IP5MIAB-28-ADRB-NCV
5MP Night Color Active Deterrence Armor Ball

Compatible Brackets



BKT-05
Junction Box for Network Armor Ball



BKT-03
Wall Mount Bracket

Dimensions

