

5MP Active Deterrence PTZ w/ Built-in Mic and Speaker

SKU: IP5MPTZ-4XADM-NCV

- 5x Optical Zoom PTZ
- 5MP Resolution at 2688 (H) x 1520 (V)
- Color Illumination at 0.002 LUX and 164ft IR
- Memory Card Slot up to 512GB
- IP66 Weatherproof



NCV SERIES



Smart Intrusion Prevention



5x Optical Zoom



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.

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.

Edge Recording

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

Active Deterrence

With built-in mic and speaker along with blue/red alarm light the IP5MPTZ-4XAD-NCV paired with advanced intelligent perimeter protection provides active deterrence for unwanted intruders where you need it the most.

Automatic Network Replenishment (ANR) Technology

The IP5MPTZ-4XADM-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.

Auto-Tracking

This feature controls the pan/tilt/zoom actions of the camera to automatically track an object in motion and to keep it in the scene. The tracking action can be triggered manually or automatically by defined rules. Once a rule is triggered, the camera can zoom in and track the defined target automatically.

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Up To 164FT IR Distance

The IP5MPTZ-4XADM-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 IP5MPTZ-4XADM-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.

Crowd Density

With deep learning algorithm, the IP5MPTZ-4XADM-NCV can detect the crowd density on the image, and display it on heat map; it can detect people quantity and density in selected area and set threshold. When the number or density is larger or smaller than the threshold, it triggers linkage.

Product Specifications

| CAMERA | |
|-------------------|--|
| Max Resolution | 5 MP |
| Sensor | 1/2.7" CMOS |
| Min. Illumination | Color: 0.005 Lux (F1.2, AGC ON) 0 Lux with IR |
| Day / Night | IR-cut filter with auto switch (ICR) |
| Shutter | Auto/Manual, 1 ~ 1/100000s |
| WDR | 120dB |
| S/N | >56dB |

| LENS | |
|-------------------|---------------|
| Focal Length | 2.7 ~ 13.5 mm |
| Optical Zoom | 5X |
| Iris | F1.2 |
| Field of View (H) | 106.9°~30.6° |
| Field of View (V) | 56°~17.7° |
| Field of View (D) | 131.5°~36.1° |

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.

Commercial Grade Equipment

Built for endurance, this all metal housing is rated IP66, 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.

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.

| DORI | |
|-----------|--------------------|
| Detect | 232.5 ft ~ 812 ft |
| Observe | 93 ft ~ 324.8 ft |
| Recognize | 46.5 ft ~ 162.4 ft |
| Identify | 23.3 ft ~ 81.2 ft |

| ILLUMINATOR | |
|------------------------------------|-------------|
| Illumination Distance (Warm Light) | 49.3 ft |
| Illumination Distance (IR) | 164.0 ft |
| Wavelength | 850 nm |
| Identify | Auto/Manual |

| VIDEO | |
|-------------------|--|
| Video Compression | Ultra 265, H.265, H.264, MJPEG |
| Frame Rate | Main Stream: 5MP (2880*1620), Max 30fps Sub Stream: 720P (1280*720), Max 30fps Third Stream: D1 (720*576), Max 30fps |
| Video Bit Rate | 128 Kbps ~ 16 Mbps |
| U-code | Support |

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Product Specifications

| VIDEO CONT. | |
|--------------|----------------|
| ROI | Support |
| Video Stream | Triple Streams |
| OSD | Up to 8 OSDs |

| INTELLIGENT | |
|----------------------------|--|
| Exception Detection | Object Removed, Object Left Behind, Scene Change, Defocus Detection |
| People Counting | Support People Flow Counting and Crowd Density Monitoring |
| Auto Tracking | Support, target filtering: human only |
| Smart Intrusion Prevention | Cross line detection, Intrusion detection, Enter area detection, Leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle) |

| IMAGE | |
|-------------------------|--|
| Defog | Digital Defog |
| White Balance | Auto, Outdoor, Fine Tune, Sodium Lamp, Locked, Auto2 |
| Digital Noise Reduction | 2D/3D DNR |
| Flip | Normal, Flip Vertical, Flip Horizontal, 180° |
| HLC | Support |
| BLC | Support |
| Smart IR | Support |

| EVENTS | |
|------------------|---|
| Basic Detection | Motion Detection, Tampering Alarm, Audio Detection, Object Removed, Object Left Behind, Scene Change, Defocus Detection |
| General Function | Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication |

| AUDIO | |
|-------------------|----------------|
| Audio Compression | G.711U, G.711A |
| Audio Bitrate | 128 Kbps |
| Two-way Audio | Support |
| Suppression | Support |
| Sampling Rate | 16KHZ |

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

| PTZ | |
|-------------------|--|
| Pan Range | 0° ~ 345° |
| Pan Speed | 1°/s~50°/s |
| Tilt Range | -10° ~ 100° |
| Tilt Speed | 1°/s~40°/s |
| Number of Presets | 1024 |
| Preset Patrol | 16 patrols, up to 64 presets for each patrol |
| Patrol Stay Time | 120 s ~ 1800 s |
| Home Position | Support |

| NETWORK | |
|------------------------|--|
| Protocols | TLS1.3, SSH, IGMP, RTP, RTCP, SMTP, IPv4, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS |
| Compatible Integration | ONVIF (Profile S, Profile G, Profile T, Profile M), 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 |
| 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 |

| INTERFACE | |
|------------------|--|
| Audio I/O | 1 Input: impedance 1 kΩ, amplitude 2.5 V [p-p], 1 Output: impedance 600 Ω, amplitude 2.5 V [p-p] |
| Alarm I/O | 1/1 |
| Built-in Mic | Support |
| Built-in Speaker | Support |
| Network | 1 x RJ45 10M/100M Base-TX Ethernet |

| CERTIFICATION | |
|---------------|--|
| EMC | CE-EMC (EN 55032: 2015+A11: 2020+A1: 2020, EN 50130-4: 2011+A1: 2014, EN 61000-3-3: 2013+A1: 2019+A2: 2021, EN IEC 61000-3-2: 2019+A1: 2021) |

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Product Specifications Cont.

| CERTIFICATION CONT. | |
|---------------------|--|
| Safety | CE LVD (EN 62368-1: 2020+A11: 2020) |
| | UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01) |
| Environment | CE-ROHS (2011/65/EU;(EU)2015/863) |
| Protection | IP66 (IEC 60529:1989+AMD1:1999+AMD2:2013) |

| GENERAL | |
|---------------------|--|
| Power | DC12V(±25%), PoE(IEEE 802.3at) |
| Power Consumption | 18 W |
| Power Interface | Ø 5.5 mm coaxial power plug |
| Dimensions | 7.3" x 5.2" x 11.3" (L x W x H) |
| Weight | 2.91lbs |
| Working Environment | -22°F ~ 140°F, Humidity: ≤95% RH (non-condensing) |
| Storage Environment | -40°F ~ 158°F, Humidity: ≤95% RH (non-condensing) |
| Surge Protection | 2 KV |
| Reset Button | Support |
| Web Client Language | 22 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, Arabic, Slovak |

Additional Products



OPTIVIEW'S VIDEO MONITORING SOFTWARE
Remote Monitoring



NVR16P16-2B-NCV
16MP 16 Channel 16 PoE
1U NVR w/ Analytics



IP5MIAB-28-ADRB-NCV
5MP Active Deterrence
Armor Ball w/ Starlight



IP2MPTZ4SIRD-NCV
Dual Lens Active
Deterrent 2MP PTZ



IP12F-NCV
12MP Ultra HD Fixed
Fisheye Camera

Compatible Brackets

