



Optiview



IP4MPTZ25SIR-NCV

4MP 25X NDAA Compliant PTZ Camera



4MP IP

Capture HD video footage with 4MP IP 2.8 ~ 120MM motorized zoom lens with an aperture of F1.5 to F3.8



328FT IR

High powered night vision with a minimum illumination of 0.03 LUX and IR.



Pan/Tilt/Zoom

Capture even more with a continuous 360° Pan range and 25x Optical Zoom.



Smart Intrusion Prevention

Accurately reduce false alarms with custom zones with human and vehicle detection.



ANR

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

UP TO 328FT IR DISTANCE

The IP4MPTZ25SIR-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 IP4MPTZ25SIR-NCV provides clear video capture in both day and night with high definition video output.

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.

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.

AUTOMATIC NETWORK REPLENISHMENT (ANR) TECHNOLOGY

IP4MPTZ25SIR-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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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.

EDGE RECORDING

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

COMMERCIAL GRADE EQUIPMENT

Built for endurance, this all metal housing is rated IP67, which means it is protected from water and dust but is also vandal proof resistant rating of IK10. 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.

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.

PRODUCT SPECIFICATIONS

| CAMERA | |
|----------------------|---|
| Sensor | 1/2.8", 4.0 megapixel, progressive scan, CMOS |
| Lens | 4.8 ~ 120mm, AF automatic focusing and motorized zoom lens |
| DORI Distance | Detect: 391.2ft ~ 8120ft Observe: 156.5ft ~ 3248ft Recognize: 78.2ft ~ 1624ft Identify: 39.1ft ~ 812ft |
| Angle of View (H) | 52.20° ~ 2.74° |
| Angle of View (V) | 30.81° ~ 1.54° |
| Angle of View (O) | 64.20° ~ 3.23° |
| Pan Range | 360° (endless) |
| Pan Speed | 0.1°/s ~ 200°/s Preset speed: 240°/s |
| Tilt Range | -15° ~ 90° |
| Tilt Speed | 0.1° ~ 120°/s Preset speed: 200°/s |
| Number of Presets | 1024 |
| Shutter | Auto / Manual, 1 ~ 1/1000000s |
| WDR | 120dB |
| Minimum Illumination | Color: 0.003 Lux (F1.5, AGC ON) 0 Lux with IR |
| IR Range | Up to 328ft IR range |
| IR On / Off | Auto / Manual |

| CAMERA CONT. | |
|-------------------------|---|
| Patrol | Preset Patrol – 16 patrols, up to 64 presets per patrol |
| | Route Patrol – 16 patrols, up to 32 actions for each patrol |
| | Recorded Patrol – 16 patrols, up to 128 actions for each patrol |
| Patrol Stay Time | 15s ~ 1800s |
| Preset Image Freeze | Supported |
| Home Position | Supported |
| Day/Night | IR-cut filter with auto switch (ICR) |
| Digital Noise Reduction | 2D / 3D DNR |
| S/N | > 56dB |
| Digital Zoom | 16 |
| Optical Zoom | 25 |
| Iris | Auto; F1.5 ~ F3.8 |

| VIDEO | |
|--------------------|---|
| Video Compression | Ultra 265, H.265, H.264, MJPEG |
| H.264 code profile | Baseline profile, Main Profile |
| Frame Rate | Main Stream: 4MP(2688 * 1520),Max 30fps |
| | Sub Stream: 2MP (1920 * 1080), Max 30fps |
| | Third Stream: D1 (720 * 576), Max. 30 fps |
| Video Bit Rate | 128Kbps ~ 16Mbps |

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PRODUCT SPECIFICATIONS CONT.

| VIDEO CONT. | |
|------------------|--|
| BLC | Supported |
| OSD | Up to 8 OSDs |
| Privacy Mask | Up to 24 blacks (Up to 4 blacks in the same picture) |
| ROI | Support |
| U-Code | Support |
| Video Stream | Up to 3 Streams |
| General Function | Watermark, IP Address Filtering, Alarm Input, Alarm Output, Tampering Alarm, Access Policy, ARP Protection, RTSP Authentication, User Authentication |
| Video Detection | Motion detection, Audio detection, Tampering Alarm |
| Auto Tracking | Supported |

| AUDIO | |
|-------------------|----------------|
| Audio Compression | G.711U, G.711A |
| Suppression | Supported |
| Sampling Rate | 8KHZ |
| Audio Bitrate | 64 Kbps |
| Two-Way Audio | Supported |

| STORAGE | |
|-----------------|--|
| Edge Storage | Up to 256GB Memory Card (Not Included) |
| Network Storage | ANR, NAS (NFS) |

| INTERFACE | |
|--------------|------------------------------------|
| Audio I/O | 1/1 |
| Alarm I/O | 2/1 |
| Serial Port | 1 x RS485 |
| Network | 1 x RJ45 10M/100M Base-TX Ethernet |
| Video Output | 1 x BNC |

| NETWORK | |
|------------------------|---|
| Protocols | IPv4, 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 |
| Compatible Integration | ONVIF (Profile S, Profile G, Profile T), API, SDK |
| User / Host | Up to 32 users. 2 user levels: Administrator and Common |

| NETWORK CONT. | |
|---------------|--|
| 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 | VMSN |
| 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+, Safari 11+ |

| GENERAL | |
|---------------------|--|
| Power | DC12V(±25%,3A), PoE+(IEEE 802.3at) Power consumption: Max 21W |
| Dimensions (Ø x H) | Φ6.5" x 11.6" (does not include mounting bracket) |
| Net Weight | 6.72lb (does not include mounting bracket or hardware) |
| Material | Metal |
| Working Environment | -40°F ~ 158°F, Humidity: ≤95% RH (non-condensing) |
| Storage Environment | -40°F ~ 158°F, Humidity: ≤95% RH (non-condensing) |
| Surge Protection | 6KV |
| Ingress Protection | IP67 |
| Vandal Resistant | IK10 |
| Reset Button | Supported |

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ADDITIONAL PRODUCTS



OPTIVIEW VMSN
Remote Monitoring



BKT-PTZW1
Dome Wall Mount for
NDAA Compliant PTZ



NVR32P164K-4-NCV
NDAA Compliant 32
Channel / 16 POE 4K NVR



IP5MPTZ-4XAD-NCV
NDAA Compliant 5MP
Active Deterrence PTZ



IP5MPTZ-5X-NCV
NDAA Compliant 5MP
Mini PTZ Camera

DIMENSIONS

