

4MP 42X Zero Wise-ISP IR Wiper Network PTZ Camera PTZ-4M-ZERO-42X



Features

- 2688 × 1520@60 fps in the main stream
- 42X optical zoom
- Smart intrusion prevention, supports false alarm filtering, including cross line, intrusion, enter area, leave area detection
- Supports front end, supports blocklist and allowlist comparison
- People counting, supports people flow counting and crowd density monitoring
- Supports optical defog, self adaptive defog
- Zero technology ensures ultra high image quality in low illumination environment
- IR illumination: 500 m (1640 ft) distance, proportional to optical zoom of camera module
- Gyroscope stabilization for stable picture
- Supports wiper
- Power supply: DC 24 V±25%, AC 24 V±25%, PoE (IEEE802.3bt)
- Alarm I/O: 7/2, audio I/O: 1/1
- IP67 ingress protection

Specifications

| Model | PTZ-4M-ZERO-42X |
|---------------------------|---|
| Camera | |
| Sensor | 1/1.8" CMOS |
| Min. Illumination | Color: 0.0003 Lux (F1.2, AGC ON), 0 Lux with IR |
| Day/Night | IR-cut filter with auto switch (ICR) |
| Shutter | Auto/Manual, 1 to 1/100000 s |
| WDR | 150 dB |
| S/N | > 56 dB |
| Lens | |
| Focal Length | 6 to 252 mm |
| Optical Zoom | 42X |
| Digital Zoom | 8X |
| Iris | F1.2 to F4.6 |
| Field of View (H) | 59.47° (W) to 2.20° (T) |
| Field of View (V) | 35.62° (W) to 1.24° (T) |
| Field of View (D) | 73.14° (W) to 2.59° (T) |
| DORI | |
| DORI Distance (Detect) | 93.1 m to 4310.3 m (305.5 ft. to 14143.7 ft.) |
| DORI Distance (Observe) | 37.2 m to 1564.1 m (122.1 ft. to 6116.1 ft.) |
| DORI Distance (Recognize) | 18.6 m to 782.1 m (61.0 ft. to 2894.1 ft.) |
| DORI Distance (Identify) | 9.3 m to 391.0 m (30.5 ft. to 1610.6 ft.) |
| Video | |
| Video Compression | H.265, H.264, MJPEG, Ultra 265 |
| Frame Rate | Main Stream: 4 MP (2688 × 1520), max. 60 fps Sub Stream: 1080P (1920 × 1080), max. 60 fps Third Stream: D1 (720 × 576), max. 60 fps |
| Video Bit Rate | 128 Kbps to 16 Mbps |
| U-code | Support |
| ROI | Up to 8 areas |
| Video Stream | Triple streams |
| Privacy Mask | 24 areas, up to 8 areas per scene |
| OSD | Up to 10 OSDs |
| Events | |
| Basic Detection | Motion detection, Ultra motion detection, Tampering alarm, Audio detection, Object removed, Object Left Behind |
| General Function | Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, Alarm input, Alarm output |
| Audio | |
| Audio Bitrate | 128 Kbps |
| Two-way Audio | Support |
| Suppression | Support |

| | |
|----------------------------|---|
| Audio Compression | G.711U, G.711A |
| Sampling Rate | 8 kHz, 16 kHz |
| Storage | |
| Edge Storage | MicroSD, up to 512 GB |
| Network Storage | ANR, NAS (NFS) |
| Network | |
| User/Host | Up to 32 users. 3 user levels: administrator, common user and operator |
| Protocols | SSH, IGMP, RTP, RTCP, SMTP, IPv4, IPv6, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTMP, DNS, DDNS, NTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, SSL/TLS, FTP |
| Compatible Integration | ONVIF (Profile S, Profile G, Profile T, Profile M), SDK, API |
| Security | Strong Password, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, TLS 1.3, WSSE and Digest Authentication for ONVIF, Password protection, HTTPS encryption, Export operation logs |
| Client | Cygnus Mobile Viewer |
| Web Browser | Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+ |
| Intelligent | |
| Auto Tracking | Support, target filtering: human, non-motor vehicle and vehicle |
| Multi-target Detection | N/A |
| People Counting | Support people flow counting and crowd density detection |
| 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) |
| Recognition | Face Recognition: Max support 16 face libraries, Max supports 100000 faces in face library |
| PTZ | |
| Route Patrol | 16 patrols, up to 32 actions for each patrol |
| Recorded Patrol | 16 patrols, up to 128 actions for each patrol |
| Preset Image Freeze | Support |
| Preset Patrol | 16 patrols, up to 64 presets for each patrol |
| Patrol Stay Time | 15 s to 1800 s |
| Home Position | Support |
| Tilt Range | -15° to 90° (Upward tilt is negative) |
| Pan Speed | 0.1°/s to 300°/s |
| Pan Range | 0° to 360° (endless) |
| 3D Positioning | Support |
| Tilt Speed | 0.1°/s to 180°/s |
| Number of Presets | 1024 |
| Image | |
| BLC | Support |
| White Balance | Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2, Area white balance |
| Digital Noise Reduction | 2D/3D DNR |
| Flip | Normal, Flip horizontal, Flip vertical, 180° |
| HLC | Support |
| Defog | Digital defog, Optical defog |
| Image Stabilization | EIS (Gyroscope) |

| 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 | 7/2 |
| Network | 1 × RJ45 10 M/100 M Base-TX Ethernet |
| Serial Port | 1 × RS485 |
| Video Output | 1 BNC |
| Illuminator | |
| Wavelength | 850 nm |
| IR On/Off Control | Auto/Manual |
| Illumination Distance (IR) | 500 m (1640.4 ft.) |
| Certification | |
| Safety | CE LVD (EN IEC 62368-1+ A11) UL (UL 62368-1) CUL (CAN/CSA C22.2 No. 62368-1) |
| EMC | CE-EMC (EN 55032; EN IEC 61000-3-2; EN 61000-3-3; EN 50130) FCC SDoC (47 CFR Part 15; Subpart B) |
| Environment | CE ROHS (2011/65/EU; (EU)2015/863) |
| Protection | IP67 (IEC 60529+ AMD1+ AMD2) IK10 (IEC 62262, Anti-Vandalism Except for the Front Window) |
| General | |
| Power | DC 24 V±25%, AC 24 V±25%, PoE (IEEE802.3bt) |
| Power Consumption | ≤ 65.5W |
| Power Interface | Wires with cold-pressed terminal |
| Dimensions | Ø227 mm × 414 mm (Ø8.94" × 16.30") (Ø × H) |
| Weight | 6.9 kg |
| Storage Environment | -40 °C to 70 °C (-40 °F to 158 °F), Humidity: ≤ 95% RH (non-condensing) |
| Surge Protection | 6 KV |
| Reset Button | Support |
| Working Environment | -40 °C to 70 °C (-40 °F to 158 °F), Humidity: ≤ 95% RH (non-condensing) |
| Heater | Support |
| Compliance | |
| NDAA Compliant | Support |

Dimensions

