



Description

Professional long-range PTZ camera designed for perimeter security, traffic monitoring, industrial sites, and general outdoor surveillance. Features LightHunter low-light imaging, 45X optical zoom, intelligent analytics, Smart IR, and rugged outdoor protection.

Features

- High quality image with 1080P, 1/1.8" CMOS sensor
- 1920 x 1080@30 fps in the main stream
- Ultra 265, H.265, H.264, MJPEG
- 45X optical zoom
- Smart intrusion prevention, supports false alarm filtering, including cross line, intrusion, enter area, leave area detection
- Automatic selection of best snapshots, supports face detection masked area
- People counting, supports people flow counting and crowd density monitoring, suitable for different statistical scenarios
- LightHunter technology ensures ultra-high image quality in low illumination environment

Specifications

| CAMERA | | |
|-------------------|--|----------------------------------|
| Image Sensor | 1/1.8" CMOS | |
| Max. Resolution | 1920 x 1080 (2MP) | |
| Min. Illumination | Color: 0.0005 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 | |
| Digital Zoom | 16x | |
| Optical Zoom | 45x | |
| WDR | 120 dB | |
| S/N | >52 dB | |
| LENS | | |
| Focal Length | 5.7–256.5 mm | |
| Iris | F1.2-F4.6 | |
| Field of View | H | 59.5°–2.2° |
| | V | 35.6°–1.2° |
| | D | 73.2°–2.6° |
| DORI | | |
| DORI Distance | Detect | 88.4–3980.2 m (290.2–13058.3 ft) |
| | Observe | 35.4–1592.1 m (116.1–5223.3 ft) |
| | Recognize | 17.7–796.0 m (58.0–2611.7 ft) |
| | Identify | 8.8–398.0 m (28.9–1305.8 ft) |
| IR ILLUMINATOR | | |
| IR Distance | 250 m (820 ft) | |
| Wavelength | 850 nm | |
| IR On/Off Control | Auto/Manual | |
| VIDEO | | |
| Video Compression | Ultra 265, H.265, H.264, MJPEG | |
| Frame Rate | Main Stream | 1080P (1920 × 1080), max. 30 fps |
| | Sub Stream | 1080P (1920 × 1080), max. 30 fps |
| | Third Stream | D1 (720 × 576), max. 30 fps |
| Video Bitrate | 128 Kbps to 16 Mbps | |
| Video Stream | Triple Streams | |



Specifications

| | | |
|--------------------------------|--|---|
| U-Code | Supported | |
| ROI | Supported | |
| Privacy Mask | 24 areas, up to 4 areas per scene | |
| OSD | Up to 10 OSDs | |
| IMAGE | | |
| White Balance | Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2 | |
| Flip | Normal, Flip vertical, Flip horizontal, 180° | |
| HLC | Supported | |
| BLC | Supported | |
| Smart IR | Supported | |
| Defog | Digital defog, Optical defog | |
| EIS | Supported | |
| Heatwave Reduction | Supported | |
| Image Stabilization | EIS (Gyroscope) | |
| Digital Noise Reduction | 2D/3D DNR | |
| AUDIO | | |
| Audio Compression | G.711U, G.711A | |
| Audio I/O | Input | 1: impedance 1 kΩ, amplitude 2.5 V [p-p] |
| | Output | 1: impedance 600 Ω, amplitude 2.5 V [p-p] |
| Audio Bitrate | 128 Kbps | |
| Two-Way Audio | Supported | |
| Suppression | Supported | |
| Sampling Rate | 16 KHz | |
| NETWORK | | |
| User/Host | Users | Up to 32 users |
| | User Levels | 3 user levels: administrator, common user, operator |
| Protocols | 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 | TLS 1.3, 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 | EZStation, 2M-Link, 2M-Link Pro | |
| Web Browser | Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+ | |
| EVENTS | | |
| Basic Detection | 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 | |
| INTELLIGENT | | |
| Exception Detection | Object removed, Object left behind | |
| 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) | |
| People Counting | People flow counting, crowd density monitoring | |
| STORAGE | | |
| Edge Storage | Micro SD up to 512 GB | |
| Network Storage | ANR, NAS (NFS) | |
| PTZ | | |
| Pan | Range | 360° (endless) |
| | Speed | 0.1°/s–180°/s |
| Tilt | Range | -15°–90° (auto reverse) |
| | Speed | 0.1°/s–180°/s |
| Number of Presets | 1024 | |
| Patrol | 16 patrols, up to 64 presets for each patrol | |
| Route Patrol | 16 patrols, up to 32 actions for each patrol | |
| Recorded Patrol | 16 patrols, up to 128 actions for each patrol | |
| Patrol Image Freeze | Supported | |
| Patrol Stay Time | 15–1800 s | |
| Home Position | Supported | |

Specifications

| INTERFACE | |
|------------------|--|
| Alarm I/O | 7/2 |
| Wi-Fi | N/A |
| Built-In Mic | N/A |
| Built-In Speaker | N/A |
| Serial Port | 1 × RS485 |
| Network | 1 x RJ45 10 M/100 M Base-TX Ethernet |
| Video Output | N/A |
| CERTIFICATION | |
| EMC | CE-EMC (EN 55032:2015+A11:2020; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019; EN 55035:2017+A11:2020) FCC (FCC CFR 47 part15 B, ANSI C63.4-2014) |
| Safety | CE LVD (EN 62368-1:2014+A11:2017) 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) |

Accessories



GENERAL

| | | |
|------------------------------------|---|----------------------------------|
| Power Supply | AC 24 V+/-25%, DC 24 V+/-25%, PoE++ (IEEE 802.3bt) | |
| Power Consumption | Max. 61 W | |
| Power Interface | Wires with cold-pressed terminal | |
| Surge Protection | 6 KV | |
| Operating Environment | Temperature | -40°C to +70°C (-40°F to +158°F) |
| | Humidity | ≤95% RH, non-condensing |
| Storage Environment | Temperature | -40°C to +70°C (-40°F to +158°F) |
| | Humidity | ≤95% RH, non-condensing |
| Weight | 10.3 kg (22.66 lb) | |
| Dimensions (Ø × H) | 270 x 497 mm (10.6" x 19.6") | |
| Reset Button | Supported | |
| Heater | Supported | |
| 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 | |

Dimensions — [mm]

