

4MP 16X LightHunter Network PTZ Dome Camera Datasheet

IPC6434LR-X16-VG1



Features

- High quality image with 4 MP, 1/2.9" CMOS sensor
- 2688 × 1520@30 fps in the main stream
- Ultra 265, H.265, H.264, MJPEG
- Dual streams
- 16X optical zoom
- LightHunter technology ensures ultra-high image quality in low illumination environment
- Smart IR, up to 100 m (328 ft.) IR distance
- DC 12 V±10%, PoE+ (IEEE 802.3at)
- Alarm I/O: 2/1, audio I/O: 1/1
- IP66 ingress protection
- IK10 vandal resistant

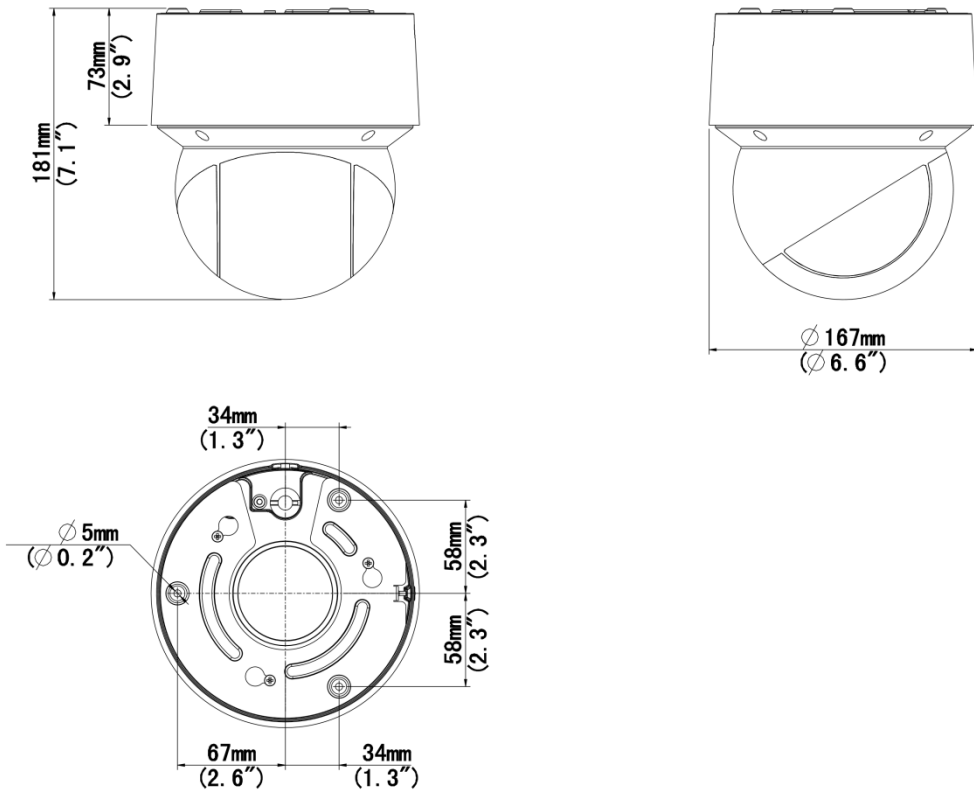
Specifications

| Model | IPC6434LR-X16-VG1 |
|----------------------------|---|
| Camera | |
| Max Resolution | 4 MP |
| Sensor | 1/2.9" CMOS |
| Min. Illumination | Color: 0.005 Lux (F1.78, AGC ON), 0 Lux with IR |
| Day/Night | IR-cut filter with auto switch (ICR) |
| Shutter | Auto/Manual, 1 ~ 1/100000s |
| WDR | 120 dB |
| S/N | >56 dB |
| Lens | |
| Focal Length | 5.5 to 88 mm |
| Optical Zoom | 16X |
| Iris | F1.78-F3.73 |
| Field of View (H) | 50.85° to 3.47° |
| Field of View (V) | 29.94° to 1.95° |
| Field of View (D) | 62.55° to 4.09° |
| DORI | |
| DORI Distance (Detect) | 127.6 m to 2048.4 m (418.6 ft. to 6720.5 ft.) |
| DORI Distance (Observe) | 51.0 m to 819.4 m (167.4 ft. to 2688.2 ft.) |
| DORI Distance (Recognize) | 25.5 m to 409.7 m (83.7 ft. to 1344.1 ft.) |
| DORI Distance (Identify) | 12.8 m to 204.8 m (41.9 ft. to 672.0 ft.) |
| Video | |
| Privacy Mask | 24 areas, up to 4 areas per scene |
| Video Compression | Ultra 265, H.265, H.264, MJPEG |
| Frame Rate | Main Stream: 4 MP (2688 × 1520), max. 30 fps Sub Stream: 720P (1280 × 720), max. 30 fps |
| Video Bit Rate | 128 Kbps to 16 Mbps |
| U-code | Support |
| ROI | Support |
| Video Stream | Dual streams |
| OSD | Up to 4 OSDs |
| Intelligent | |
| Auto Tracking | Support, target filtering: human and vehicle |
| Smart Intrusion Prevention | Cross line detection, intrusion detection (support false alarm filtering and the classification of human and vehicle) |
| Image | |
| 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 |
| Defog | Digital defog |
| Events | |
| Basic Detection | Motion detection, Tampering alarm, Audio detection |
| General Function | Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, Alarm input |
| Audio | |
| Audio Compression | G.711U, G.711A |
| Audio Bitrate | 128 Kbps |
| Two-way Audio | Support |
| Suppression | Support |
| Sampling Rate | 16KHZ |
| Storage | |
| Edge Storage | MicroSD, up to 512 GB |
| Network Storage | ANR, NAS (NFS) |
| Illuminator | |
| IR On/Off Control | Auto/Manual |
| Wavelength | 850 nm |
| Illumination Distance (IR) | Up to 100m (328 ft) IR range |
| Network | |
| Protocols | IPv4, IPv6, IGMP, RTP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTSP, RTCP, 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), SDK, API |
| User/Host | Up to 32 users. 3 user levels: administrator, common user and operator |
| 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 | EZStation, UNV-Link, UNV-Link Pro |
| Web Browser | Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+ |
| PTZ | |
| Number of Presets | 1024 |
| Preset 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 Stay Time | 15 s to 1800 s |
| Home Position | Support |
| Pan Range | 360° (endless) |
| Tilt Range | -5° to 90° (auto flip) |
| Pan Speed | 0.1°/s to 240°/s |
| Tilt Speed | 0.1°/s to 120°/s |
| 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 | 2/1 |







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|----------------------|--|
| Serial Port | 1*RS485 |
| Network | 1 × RJ45 10 M/100 M Base-TX Ethernet |
| Certification | |
| EMC | CE-EMC (EN 55032: 2015+A11:2020+A1: 2020,EN IEC 61000-3-2: 2019+A1: 2021,EN 61000-3-3: 2013+A1: 2019+A2:2021,EN 50130-4: 2011+A1:2014) 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) IK10 (IEC 62262:2002) |
| General | |
| Power | DC 12 V (±10%, 3A), PoE+ (IEEE 802.3at) |
| Power Consumption | Max. 23 W |
| Power Interface | Ø5.5 mm coaxial power plug |
| Dimensions | Ø167 mm × 181 mm (Ø6.6" × 7.1") (Ø × H) |
| Weight | 2.3 kg (5.07 lb.) |
| Working Environment | -40°C~65°C (-40°F~149°F), Humidity: ≤95% RH (non-condensing) |
| Storage Environment | -40°C~70°C (-40°F~158°F), Humidity: ≤95% RH (non-condensing) |
| Surge Protection | 6 KV |
| Reset Button | Support |
| Configurable | |
| P/N | Support |

Dimensions



Accessories

| TR-FM180-IN In-ceiling Bracket for Cover Dome | TR-CE45-IN Dome Indoor Ceiling Mounting Bracket | TR-SE45-IN Dome Ceiling Mounting Pole 200 |
|---|---|---|
|  |  |  |
| TR-SE45-A-IN Dome Ceiling Mounting Pole 500 | TR-UF45-L-IN Cover Dome Adapter | TR-WE45-IN Dome Wall Mounting Bracket |
|  |  |  |

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|---|---|---|
| <p>TR-WE45-B-IN Dome Gooseneck Bracket</p> | <p>TR-JB12-IN Dome Junction Box</p> | <p>TR-UP08-B-IN Aluminium Alloy Pole Mounting Bracket</p> |
|  |  |  |
| <p>TR-UC08-B-IN Aluminium Alloy Corner Mounting Bracket</p> | <p>TR-JB04-E-IN Cover Dome Junction Box</p> | <p>TR-UP04-IN Mounting Bracket</p> |
|  |  |  |

Unlimited New View

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