# 2MP WDR Starlight IR Network MiniPTZ Dome Camera
# IPC6412LR-X5UPW-VG

Smart intrusion prevention | Lighthunter | WDR | Built-in Mic | Wi-Fi connection

Edge storage | Smart IR
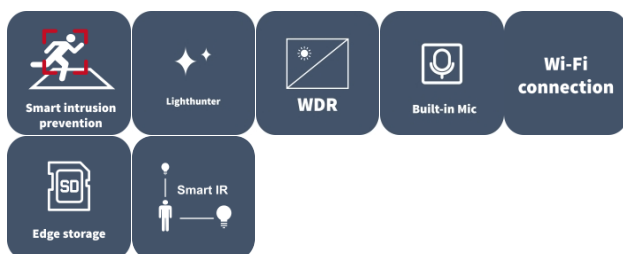
## Features

- High quality image with 1080P, 1/2.7" CMOS sensor
- 1920 × 1080@30 fps in the main stream
- Ultra 265, H.265, H.264, MJPEG
- 5X optical zoom allows for closer viewing of subjects
- Smart intrusion prevention, supports false alarm filtering, including cross line, intrusion, enter area, leave area detection
- automatic selection of best snapshots
- LightHunter technology ensures ultra-high image quality in low illumination environment
- Up to 120 dB optical WDR (wide dynamic range)
- Wi-Fi connection and easy installation
- Built-in mic and speaker, supports two-way audio
- Alarm I/O: 1/1
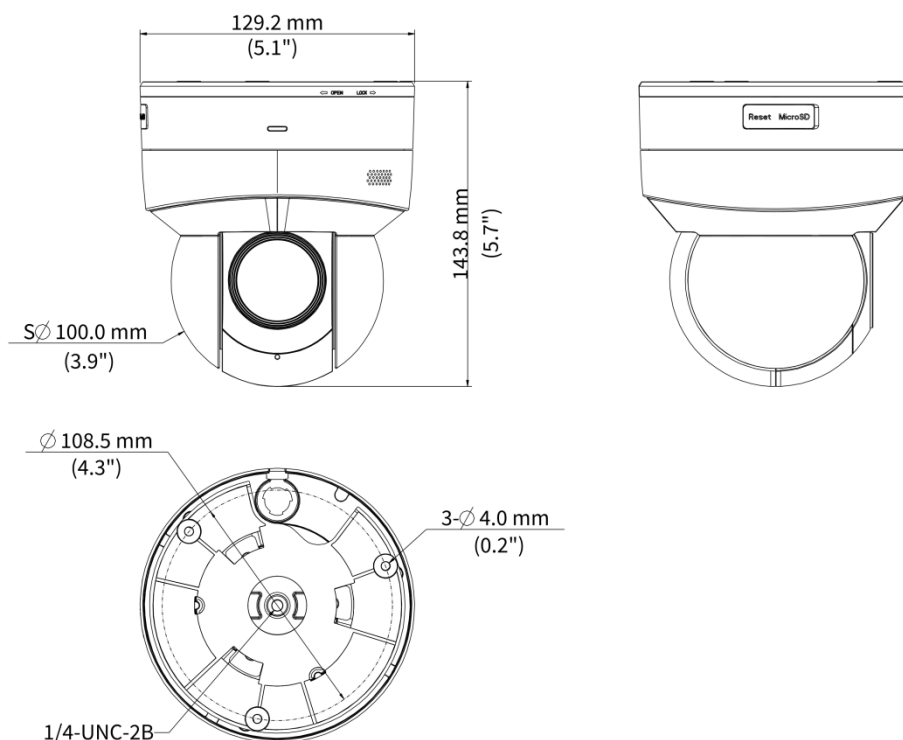- Smart IR, up to 30 m (98.4 ft) IR distance

# Specifications

| Model | IPC6412LR-X5UPW-VG |
|---|---|
| **Camera** | |
| Sensor | 1/2.7" CMOS |
| Min. Illumination | Color: 0.003 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 | 120 dB |
| S/N | ＞52dB |
| **Lens** | |
| Focal Length | 2.7 to 13.5 mm |
| Optical Zoom | 5X |
| Iris | F1.2 |
| Field of View (H) | 104.9° to 30.6° |
| Field of View (V) | 55.41° to 17.7° |
| Field of View (D) | 136.37° to 36.1° |
| **DORI** | |
| DORI Distance (Lens) | 2.7 to 13.5 mm |
| DORI Distance (Detect) | 70.9 m to 247.5 m (232.5 ft. to 812.0 ft.) |
| DORI Distance (Observe) | 28.4 m to 99.0 m (93.2 ft. to 324.8 ft.) |
| DORI Distance (Recognize) | 14.2 m to 49.5 m (46.5 ft. to 162.4 ft.) |
| DORI Distance (Identify) | 7.1 m to 24.8 m (23.3 ft. to 81.4 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: 1080P (1920 × 1080), max. 30 fps; Sub Stream: 720P (1280 × 720), max. 30 fps; Third Stream: D1 (720 × 576), max. 30 fps |
| Video Bit Rate | 128 Kbps to 16 Mbps |
| U-code | Support |
| ROI | Support |
| Video Stream | Triple streams |
| OSD | Up to 8 OSDs |
| **Intelligent** | |
| 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) |
| Exception Detection | Object removed, Object Left Behind, Scene change, Defocus detection |
| **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 |
| Heatwave Reduction | N/A |
| **Illuminator** | |
| Light On/Off Control | Auto/Manual |
| Wavelength | 850 nm |
| Illumination Distance (IR) | 30 m (98.4 ft.) |
| **Events** | |
| Basic Detection | Motion detection, Tampering alarm, Audio detection, Object removed, Object Left Behind, Scene change, Defocus detection |
| General Function | Watermark, IP address filtering, Alarm input, Alarm output, 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 | MicroSD, up to 512 GB |
| Network Storage | ANR, NAS (NFS) |
| **Network** | |
| 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), API, SDK |
| User/Host | Up to 32 users. 3 user levels: administrator, common user and operator |
| 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, 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 |
| Patrol Stay Time | 1800 s to 3600 s |
| Preset Image Freeze | N/A |
| Home Position | Support |
| Pan Range | 350° |
| Tilt Range | 0° to 90° |
| Pan Speed | 0.1°/s to 60°/s |
| Tilt Speed | 0.1°/s to 50°/s |
| **Interface** | |

| Audio I/O | N/A |
|---|---|
| Alarm I/O | 1/1 |
| Serial Port | 1 * RS485 |
| Built-in Mic | Support |
| Built-in Speaker | Support |
| Network | 1 × RJ45 10 M/100 M Base-TX Ethernet |
| Video Output | N/A |
| **Certification** | |
| EMC | CE-EMC (EN 55032: 2015+A1:2020; EN 61000-3-3: 2013+A1: 2019; EN IEC 61000-3-2: 2019+A1: 2021; EN 55035: 2017+A11:2020) <br> FCC (FCC CFR 47 part15 B, ANSI C63.4-2014) |
| Safety | CE LVD (EN 62368-1:2014+A11:2017) <br> CB (IEC 62368-1:2014) <br> UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01) |
| Environment | CE-ROHS (2011/65/EU;(EU)2015/863) |
| **General** | |
| Power | DC 12 V (±25%), PoE (IEEE 802.3at) |
| Power Consumption | Max. 15 W |
| Power Interface | Ø5.5 mm coaxial power plug |
| Dimensions | Ø129 mm × 143.6 mm (Ø5.1" × 5.7") (Ø × H) |
| Weight | 0.76 kg (1.67 lb.) |
| Working Environment | -10 ℃ to 50 ℃ (14 ℉ to 122 ℉), Humidity:   ≤ 95% RH (non-condensing) |
| Storage Environment | -40 ℃ to 70 ℃ (-40 ℉ to 158 ℉), Humidity: ≤ 95% RH (non-condensing) |
| Surge Protection | 4 KV |
| Reset Button | Support |
| Material | Plastic |
| 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 |
| **Configurable** | |
| P/N | Support |

# Dimensions

129.2 mm
(5.1")

143.8 mm
(5.7")

S⌀ 100.0 mm
(3.9")

Reset MicroSD

⌀ 108.5 mm
(4.3")

3-⌀ 4.0 mm
(0.2")

1/4-UNC-2B

# Accessories

| TR-JB03-H-IN | TR-JB07/WM03-F-IN | TR-WM03-B-IN |
|---|---|---|
| Junction Box for Metal Turret Camera(Support wiring from behind) | Wall Mounting Assembling Bracket with Back Hole for 3 Inch Hemisphere | Wall Mounting Assembling Bracket for 3 Inch Hemisphere |

| TR-A01-IN | TR-UP06-IN | TR-UC08-C |
|---|---|---|
| NPT 3/4'' Waterproof Cable Gland | Universal Pole Mounting Bracket | Bullet&Dome Corner Mounting Bracket |

# Unlimited New View

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