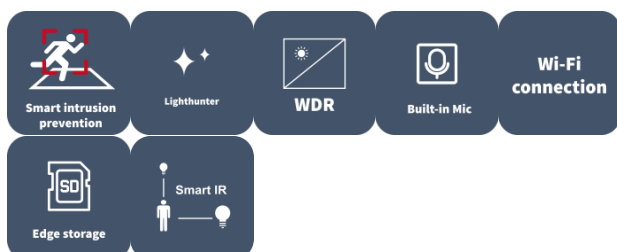


## 2MP WDR Starlight IR Network MiniPTZ Dome Camera IPC6412LR-X5UPW-VG



## 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

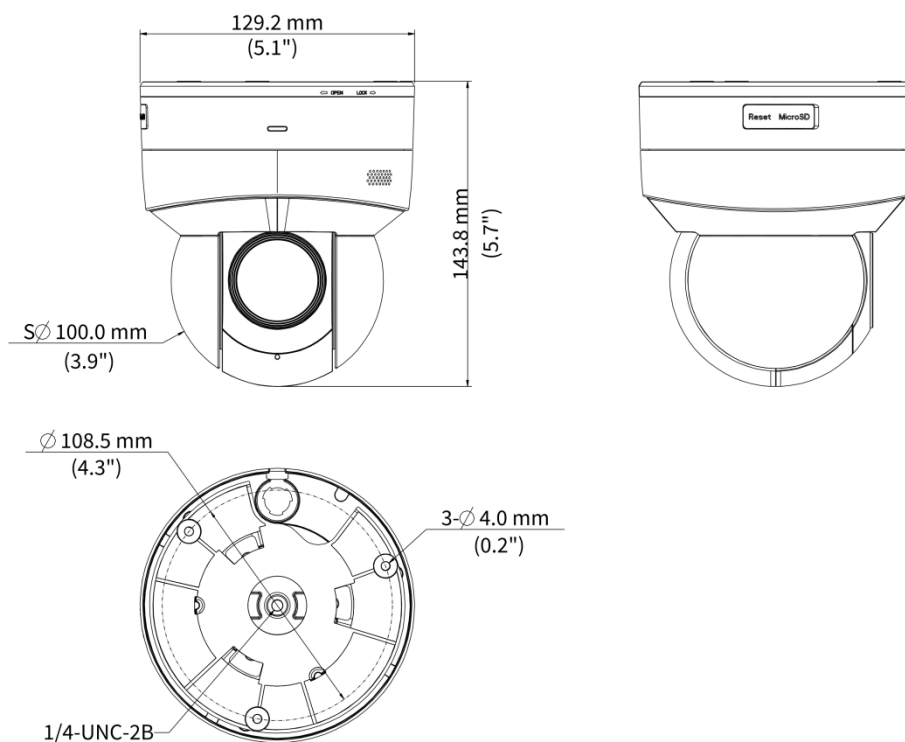
| Model             | IPC6412LR-X5UPW-VG                             |
|-------------------|------------------------------------------------|
| Camera            |                                                |
| Sensor            | 1/2.7" CMOS                                    |
| Min. Illumination | 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                                                                                                                                                                                |
| <b>Lens</b>                |                                                                                                                                                                                      |
| Focal Length               | 2.7 to 13.5 mm                                                                                                                                                                       |
| Optical Zoom               | 5X                                                                                                                                                                                   |
| Iris                       | F1.2                                                                                                                                                                                 |
| Field of View (H)          | 106.9° to 30.6°                                                                                                                                                                      |
| Field of View (V)          | 56.0° to 17.7°                                                                                                                                                                       |
| Field of View (D)          | 131.5° to 39.8°                                                                                                                                                                      |
| <b>DORI</b>                |                                                                                                                                                                                      |
| 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.)                                                                                                                                               |
| <b>Illuminator</b>         |                                                                                                                                                                                      |
| Illumination Distance (IR) | 30 m (98.4 ft.)                                                                                                                                                                      |
| Wavelength                 | 850 nm                                                                                                                                                                               |
| Light On/Off Control       | Auto/Manual                                                                                                                                                                          |
| <b>Video</b>               |                                                                                                                                                                                      |
| Video Compression          | Ultra 265, H.265, H.264, MJPEG                                                                                                                                                       |
| Frame Rate                 | Main Stream: 1080P (1920 × 1080), max. 30 fps;<br>Sub Stream: 720P (1280 × 720), max. 30 fps; Third Stream: D1 (720 × 576), max. 30 fps                                              |
| Video Bit Rate             | 128 Kbps to 16 Mbps                                                                                                                                                                  |
| Privacy Mask               | 24 areas, up to 4 areas per scene                                                                                                                                                    |
| U-code                     | Support                                                                                                                                                                              |
| ROI                        | Support                                                                                                                                                                              |
| Video Stream               | Triple streams                                                                                                                                                                       |
| OSD                        | Up to 8 OSDs                                                                                                                                                                         |
| <b>Image</b>               |                                                                                                                                                                                      |
| Defog                      | Digital defog                                                                                                                                                                        |
| White Balance              | Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2                                                                                                                                 |
| Digital Noise Reduction    | 2D/3D DNR                                                                                                                                                                            |
| Smart IR                   | Support                                                                                                                                                                              |
| Flip                       | Normal, Flip vertical, Flip horizontal, 180°                                                                                                                                         |
| HLC                        | Support                                                                                                                                                                              |
| BLC                        | Support                                                                                                                                                                              |
| Heatwave Reduction         | N/A                                                                                                                                                                                  |
| <b>Intelligent</b>         |                                                                                                                                                                                      |
| Exception Detection        | Object removed, Object Left Behind, Scene change, Defocus 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) |

| 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)                                                                                                                                                                                                      |
| PTZ                    |                                                                                                                                                                                                                     |
| Pan Range              | 350°                                                                                                                                                                                                                |
| Pan Speed              | 0.1°/s to 60°/s                                                                                                                                                                                                     |
| Tilt Range             | 0° to 90°                                                                                                                                                                                                           |
| Tilt Speed             | 0.1°/s to 50°/s                                                                                                                                                                                                     |
| Number of Presets      | 1024                                                                                                                                                                                                                |
| Preset Patrol          | 16 patrols, up to 64 presets for each patrol                                                                                                                                                                        |
| Patrol Stay Time       | 120 s to 1800 s                                                                                                                                                                                                     |
| Preset Image Freeze    | N/A                                                                                                                                                                                                                 |
| Home Position          | Support                                                                                                                                                                                                             |
| 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+                                                                                                                                               |
| Interface              |                                                                                                                                                                                                                     |
| Audio I/O              | N/A                                                                                                                                                                                                                 |
| Alarm I/O              | 1/1                                                                                                                                                                                                                 |
| Serial Port            | 1 * RS485                                                                                                                                                                                                           |
| Built-in Mic           | Support                                                                                                                                                                                                             |
| Built-in Speaker       | Support                                                                                                                                                                                                             |
| WIFI                   | 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)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 °C to 50 °C (14 °F to 122 °F), Humidity: ≤ 95% RH (non-condensing)                                                                                                                                                                                                              |
| Storage Environment | -40 °C to 70 °C (-40 °F to 158 °F), 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 |

## Dimensions



## Accessories

### TR-JB03-H-IN

Junction Box for Metal Turret Camera(Support wiring from behind)



### TR-A01-IN

NPT 3/4" Waterproof Cable Gland



### TR-JB07/WM03-F-IN

Wall Mounting Assembling Bracket with Back Hole for 3 Inch Hemisphere



### TR-UP06-IN

Universal Pole Mounting Bracket



### TR-WM03-B-IN

Wall Mounting Assembling Bracket for 3 Inch Hemisphere



### TR-UC08-C

Bullet&Dome Corner Mounting Bracket



# Unlimited New View

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