

# 5MP WDR Starlight IR Network MiniPTZ Dome Camera

IPC6415SR-X5UPW-VG



## Features

- High quality image with 5 MP, 1/2.7" CMOS sensor
- 2880 × 1620@30 fps in the main stream, 16 : 9 aspect ratio
- 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 & Speaker, support two-way audio
- Smart IR, up to 30 m (98 ft) IR distance

## Specifications

|        |                    |
|--------|--------------------|
| Model  | IPC6415SR-X5UPW-VG |
| Camera |                    |
| Sensor | 1/2.7" CMOS        |

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Min. Illumination          | Colour:0.003 lux (F1.2, AGC ON)<br>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                        | >56dB                                                                                                                       |
| Lens                       |                                                                                                                             |
| Focal Length               | 2.7 to 13.5 mm                                                                                                              |
| Optical Zoom               | 5X                                                                                                                          |
| Iris                       | F1.2                                                                                                                        |
| Field of View (H)          | 106.9°~30.6°                                                                                                                |
| Field of View (V)          | 56.0°~17.7°                                                                                                                 |
| Field of View (D)          | 131.5°~39.8°                                                                                                                |
| DORI                       |                                                                                                                             |
| DORI Distance (Lens)       | 2.7~13.5(mm)                                                                                                                |
| DORI Distance (Detect)     | 70.9m~247.5m(232.5ft~812.0ft)                                                                                               |
| DORI Distance (Observe)    | 28.4m~99.0m(93.0ft~324.8ft)                                                                                                 |
| DORI Distance (Recognize)  | 14.2m~49.5m(46.5ft~162.4ft)                                                                                                 |
| DORI Distance (Identify)   | 7.1m~24.8m(23.3ft~81.2ft)                                                                                                   |
| Illuminator                |                                                                                                                             |
| Illumination Distance (IR) | 30 m (98.4 ft)                                                                                                              |
| Wavelength                 | 850 nm                                                                                                                      |
| Light On/Off Control       | Auto/Manual                                                                                                                 |
| Video                      |                                                                                                                             |
| Video Compression          | Ultra 265, H.265, H.264, MJPEG                                                                                              |
| Frame Rate                 | Main Stream: 5MP (2880*1620),Max 30fps;<br>Sub Stream: 720P (1280*720), Max 30fps;<br>Third Stream: D1 (720*576), Max 30fps |
| 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                                                                                                                |
| Image                      |                                                                                                                             |
| 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                                                                                                                         |

## Intelligent

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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    | Micro SD, up to 512 GB |
| Network Storage | ANR, NAS (NFS)         |

## PTZ

|                     |                                              |
|---------------------|----------------------------------------------|
| Pan Range           | 350°                                         |
| Pan Speed           | 0.1°/s ~ 60°/s                               |
| Tilt Range          | 0° ~ 90°                                     |
| Tilt Speed          | 0.1° ~ 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

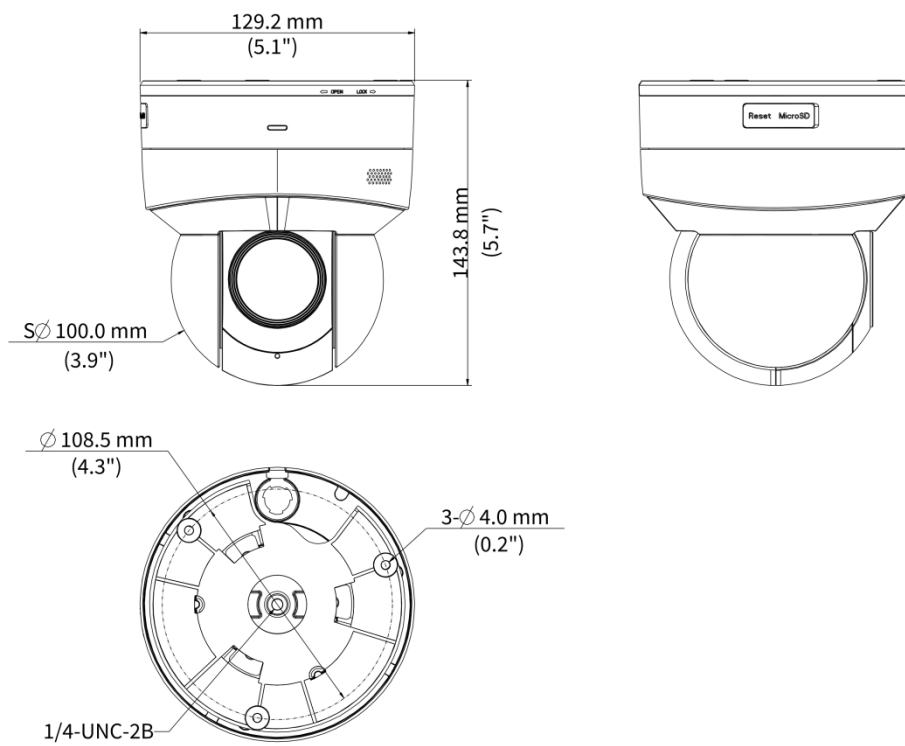
|                        |                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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              | FCC ID (FCC CFR 47 part15 C)<br>CE RED (EN 62311: 2008, EN 300 328 V2.2.2(2019-07), EN 301489-1 V2.2.3(2019-11), ETSI EN 301 489-17 V3.2.4(2020-09))                                                                                                                                |
| Environment         | 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)                                                                                                                                                                      |
| Protection          | CE-ROHS (2011/65/EU;(EU)2015/863)                                                                                                                                                                                                                                                   |
| General             |                                                                                                                                                                                                                                                                                     |
| Power               | DC12V(±25%), PoE+(IEEE 802.3at)                                                                                                                                                                                                                                                     |
| Power Consumption   | Max 15W                                                                                                                                                                                                                                                                             |
| Power Interface     | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                                                          |
| Dimensions          | Ø 129 x 143.6 mm (Ø 5.1" x 5.7") (Ø x H)                                                                                                                                                                                                                                            |
| Weight              | 0.76kg(1.67lb)                                                                                                                                                                                                                                                                      |
| 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                                                                                                                                                                                                                                                                             |
| 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-JB07/WM03-F-IN

Wall Mounting Assembling Bracket with  
Back Hole for 3 Inch Hemisphere



TR-WM03-B-IN

Wall Mounting Assembling Bracket for 3  
Inch Hemisphere



TR-A01-IN

NPT 3/4" Waterproof Cable Gland



TR-UP06-IN

Universal Pole Mounting Bracket



TR-UC08-C

Bullet&Dome Corner Mounting Bracket



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