

## 4MP 25X LightHunter Network PTZ Dome Camera

IPC6424SR-X25-VF



### Features

- High quality image with 4 MP, 1/2.8" CMOS sensor
- 2688 × 1520@30 fps in the main stream
- Ultra 265, H.265, H.264, MJPEG
- Triple streams
- 25X 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
- Smart IR, up to 100 m (328ft) IR distance
- DC 12 V ±25% or PoE+ (IEEE 802.3at)
- Alarm 2 in and 1 out, Audio 1 in and 1 out
- IP67 ingress protection
- IK10 vandal resistant

### Specifications

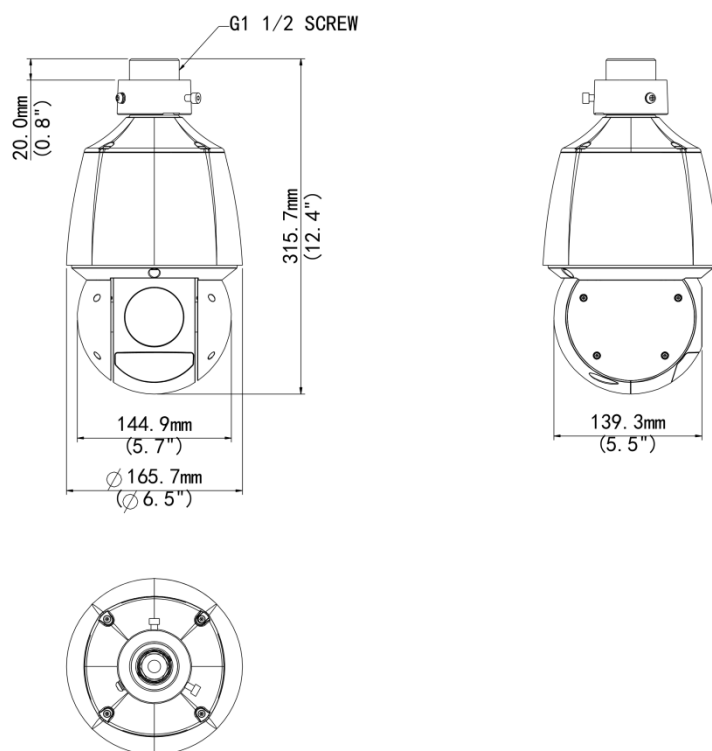
|        |                  |
|--------|------------------|
| Model  | IPC6424SR-X25-VF |
| Camera |                  |

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor                     | 1/2.8" CMOS                                                                                                                                                                          |
| Min. Illumination          | Colour: 0.003 Lux (F1.5, AGC ON)<br>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                                                                                                                                                                               |
| <b>Lens</b>                |                                                                                                                                                                                      |
| Focal Length               | 4.8 to 120 mm                                                                                                                                                                        |
| Digital Zoom               | 16X                                                                                                                                                                                  |
| Optical Zoom               | 25X                                                                                                                                                                                  |
| Iris                       | F1.5 to F3.8                                                                                                                                                                         |
| Field of View (H)          | 52.20°~2.74°                                                                                                                                                                         |
| Field of View (V)          | 30.81°~1.54°                                                                                                                                                                         |
| Field of View (D)          | 64.20°~3.23°                                                                                                                                                                         |
| <b>DORI</b>                |                                                                                                                                                                                      |
| DORI Distance (Lens)       | 4.8~120(mm)                                                                                                                                                                          |
| DORI Distance (Detect)     | 119.3m~2475.0m(391.2ft~8120.1ft)                                                                                                                                                     |
| DORI Distance (Observe)    | 47.7m~990.0m(156.5ft~3248.0ft)                                                                                                                                                       |
| DORI Distance (Recognize)  | 23.9m~495.0m(78.2ft~1624.0ft)                                                                                                                                                        |
| DORI Distance (Identify)   | 11.9m~247.5m(39.1ft~812.0ft)                                                                                                                                                         |
| <b>Illuminator</b>         |                                                                                                                                                                                      |
| Illumination Distance (IR) | 100 m (328.1 ft)                                                                                                                                                                     |
| IR On/Off Control          | Auto/Manual                                                                                                                                                                          |
| Wavelength                 | 850 nm                                                                                                                                                                               |
| <b>Video</b>               |                                                                                                                                                                                      |
| Privacy Mask               | 24 areas, up to 4 areas per scene                                                                                                                                                    |
| Video Compression          | Ultra 265, H.265, H.264, MJPEG                                                                                                                                                       |
| Frame Rate                 | Main Stream: 4MP(2688*1520),Max 30fps<br>Sub Stream: 2MP (1920*1080), Max 30fps<br>Third Stream: D1 (720*576), Max 30fps                                                             |
| Video Bit Rate             | 128 Kbps to 16 Mbps                                                                                                                                                                  |
| U-code                     | Support                                                                                                                                                                              |
| ROI                        | Support                                                                                                                                                                              |
| Video Stream               | Triple streams                                                                                                                                                                       |
| OSD                        | Up to 10 OSDs                                                                                                                                                                        |
| <b>Intelligent</b>         |                                                                                                                                                                                      |
| Auto Tracking              | Support, target filtering: human, non-motor vehicle and vehicle                                                                                                                      |
| People Counting            | Support people flow counting and crowd density monitoring                                                                                                                            |
| 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) |
| <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      | Support                                                                                                                                                                                                             |
| <b>Events</b>           |                                                                                                                                                                                                                     |
| 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                                                                                 |
| <b>Audio</b>            |                                                                                                                                                                                                                     |
| Audio Compression       | G.711U, G.711A                                                                                                                                                                                                      |
| Audio Bitrate           | 128 Kbps                                                                                                                                                                                                            |
| Two-way Audio           | Support                                                                                                                                                                                                             |
| Suppression             | Support                                                                                                                                                                                                             |
| Sampling Rate           | 16KHZ                                                                                                                                                                                                               |
| <b>Storage</b>          |                                                                                                                                                                                                                     |
| Edge Storage            | Micro SD, up to 512 GB                                                                                                                                                                                              |
| Network Storage         | ANR, NAS (NFS)                                                                                                                                                                                                      |
| <b>Network</b>          |                                                                                                                                                                                                                     |
| 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                                                                                                                                                        |
| 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+                                                                                                                                               |
| <b>PTZ</b>              |                                                                                                                                                                                                                     |
| 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                                                                                                                                                                                                      |
| Preset Image Freeze     | Support                                                                                                                                                                                                             |
| Home Position           | Support                                                                                                                                                                                                             |
| Pan Range               | 360° (endless)                                                                                                                                                                                                      |
| Pan Speed               | 0.1°/s ~ 200°/s                                                                                                                                                                                                     |
| Tilt Range              | -15° ~ 90° (auto flip)                                                                                                                                                                                              |
| Tilt Speed              | 0.1°/s ~ 120°/s                                                                                                                                                                                                     |
| <b>Interface</b>        |                                                                                                                                                                                                                     |

|                      |                                                                                                                                                                                                                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio I/O            | 1 Input: impedance 1 k $\Omega$ , amplitude 2.5 V [p-p], 1 Output: impedance 600 $\Omega$ , amplitude 2.5 V [p-p]                                                                                                                                                                   |
| Alarm I/O            | 2/1                                                                                                                                                                                                                                                                                 |
| Serial Port          | 1 * RS485                                                                                                                                                                                                                                                                           |
| Built-in Mic         | N/A                                                                                                                                                                                                                                                                                 |
| Built-in Speaker     | N/A                                                                                                                                                                                                                                                                                 |
| WIFI                 | N/A                                                                                                                                                                                                                                                                                 |
| Network              | 1 $\times$ RJ45 10 M/100 M Base-TX Ethernet                                                                                                                                                                                                                                         |
| Video Output         | 1 BNC (for debugging)                                                                                                                                                                                                                                                               |
| <b>Certification</b> |                                                                                                                                                                                                                                                                                     |
| 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>UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)                                                                                                                                                                                               |
| Environment          | CE-RoHS (2011/65/EU; (EU)2015/863)                                                                                                                                                                                                                                                  |
| Protection           | IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013)<br>IK10 (IEC 62262:2002)                                                                                                                                                                                                                  |
| <b>General</b>       |                                                                                                                                                                                                                                                                                     |
| Power                | DC12V( $\pm$ 25%,3A), PoE+(IEEE 802.3at)                                                                                                                                                                                                                                            |
| Power Consumption    | MAX 21W                                                                                                                                                                                                                                                                             |
| Power Interface      | $\varnothing$ 5.5 mm coaxial power plug                                                                                                                                                                                                                                             |
| Dimensions           | $\varnothing$ 162 x 295mm ( $\varnothing$ 6.4" x 11.6") ( $\varnothing$ x H)                                                                                                                                                                                                        |
| Weight               | 3.05kg(6.72lb)                                                                                                                                                                                                                                                                      |
| Working Environment  | -40 $^{\circ}$ C to 70 $^{\circ}$ C (-40 $^{\circ}$ F to 158 $^{\circ}$ F), Humidity: $\leq$ 95% RH (non-condensing)                                                                                                                                                                |
| Storage Environment  | -40 $^{\circ}$ C to 70 $^{\circ}$ C (-40 $^{\circ}$ F to 158 $^{\circ}$ F), Humidity: $\leq$ 95% RH (non-condensing)                                                                                                                                                                |
| Surge Protection     | 6 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-UF45-A-IN

Dome Indoor Ceiling Mounting Pedestal



TR-SE45-A-IN

Dome Ceiling Mounting Pole 500



TR-SE45-IN

Dome Ceiling Mounting Pole 200



TR-CE45-IN

Dome Indoor Ceiling Mounting Bracket



TR-WE45-IN

Dome Wall Mounting Bracket



TR-WE45-A-IN

Long Wall Mounting Bracket for Dome



TR-WE45-B-IN

Dome Gooseneck Bracket



TR-JB12-IN

Dome Junction Box



TR-UP08-A-IN

Dome Pole Mounting Bracket



TR-UP08-B-IN

Aluminium Alloy Pole Mounting Bracket



TR-UC08-A-IN

Dome Corner Mounting Bracket



TR-UC08-B-IN

Aluminium Alloy Corner Mounting Bracket



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