

# 2MP HD Intelligent LightHunter IR Fixed Dome Network Camera

IPC322SS-ADF28(40)K-I1



## Features

- High quality imaging with 2MP, 1/2.8"CMOS sensor
- 2MP (1920\*1080)@60/50/30/25(default)fps; 720P (1280\*720)@30/25fps
- Ultra 265, H.265, H.264, MJPEG
- Smart intrusion prevention, include cross line, intrusion, enter area, leave area detection
- Based on target classification, smart intrusion prevention significantly reduce false alarm caused by leaves, birds and lights etc., accurately focus on human and, motor vehicle and non-motor vehicle
- Smart intrusion prevention with Color retrieval
- Auto Scene Match (ASM) (Only WDR)
- LightHunter technology ensures ultra-high image quality in low illumination environment
- 130dB true WDR technology enables clear image in strong light scene
- Support 9:16 Corridor Mode
- Alarm:1 in/1 out, Audio: 1 in/1 out, Built-in Mic
- Smart IR, up to 40m (131ft) IR distance
- Supports 512 G Micro SD card
- IK10 vandal resistant
- IP67 protection

## Specifications

| Model                      | IPC322SS-ADF28K-I1                                | IPC322SS-ADF40K-I1 |
|----------------------------|---------------------------------------------------|--------------------|
| Camera                     |                                                   |                    |
| Max Resolution             | 2 MP                                              |                    |
| Sensor                     | 1/2.8" CMOS                                       |                    |
| Min. Illumination          | Colour:0.001 lux (F1.6, AGC ON)<br>0 lux with IR  |                    |
| Day/Night                  | IR-cut filter with auto switch (ICR)              |                    |
| Shutter                    | Auto/Manual, 1 ~ 1/100000s                        |                    |
| Adjustment Angle           | Pan: 0° ~ 352°, Tilt: 0° ~ 70°, Rotate: 0° ~ 350° |                    |
| S/N                        | >52 dB                                            |                    |
| WDR                        | 130 dB                                            |                    |
| Lens                       |                                                   |                    |
| Focal Length               | 2.8 mm                                            | 4.0 mm             |
| Iris Type                  | Fixed                                             |                    |
| Iris                       | F1.6                                              |                    |
| Field of View (H)          | 100.15°                                           | 87.5°              |
| Field of View (V)          | 54.5°                                             | 46.3°              |
| Field of View (D)          | 104.92°                                           | 92.4°              |
| DORI                       |                                                   |                    |
| DORI Distance (Lens)       | 2.8mm                                             | 4.0mm              |
| DORI Distance (Detect)     | 43.4m(142.3ft)                                    | 62.1m(203.7ft)     |
| DORI Distance (Observe)    | 17.4m(57.1ft)                                     | 24.8m(81.4ft)      |
| DORI Distance (Recognize)  | 8.7m(28.5ft)                                      | 12.4m(40.7ft)      |
| DORI Distance (Identify)   | 4.3m(14.1ft)                                      | 6.2m(20.3ft)       |
| Illuminator                |                                                   |                    |
| Supplemental Light         | IR                                                |                    |
| Illumination Distance (IR) | 40 m (131.2 ft)                                   |                    |
| IR On/Off Control          | Auto/Manual                                       |                    |
| Wavelength                 | 850 nm                                            |                    |
| Video                      |                                                   |                    |
| Video Compression          | Ultra 265, H.265, H.264, MJPEG                    |                    |
| H.264 Code Profile         | Baseline profile, Main profile, High profile      |                    |

|                            |                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frame Rate                 | Main Stream: 2MP (1920*1080), Max 60fps; 720P (1280*720), Max 30fps;<br>Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps<br>Third Stream: D1 (720*576), Max 30fps; 640*360,Max 30fps; 2CIF(704*288), Max 30fps;CIF(352*288), Max 30fps; |
| Video Bit Rate             | 128 Kbps to 16 Mbps                                                                                                                                                                                                                                                                                                           |
| U-code                     | Support                                                                                                                                                                                                                                                                                                                       |
| OSD                        | Up to 8 OSDs                                                                                                                                                                                                                                                                                                                  |
| Privacy Mask               | Up to 4 areas                                                                                                                                                                                                                                                                                                                 |
| ROI                        | Support                                                                                                                                                                                                                                                                                                                       |
| Video Stream               | Triple Streams                                                                                                                                                                                                                                                                                                                |
| <b>Image</b>               |                                                                                                                                                                                                                                                                                                                               |
| Auto Scene Match (ASM)     | Support (Only WDR)                                                                                                                                                                                                                                                                                                            |
| 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°, 90° Clockwise, 90° Anti-clockwise                                                                                                                                                                                                                                               |
| Dewarping                  | N/A                                                                                                                                                                                                                                                                                                                           |
| HLC                        | Support                                                                                                                                                                                                                                                                                                                       |
| BLC                        | Support                                                                                                                                                                                                                                                                                                                       |
| Defog                      | Digital Defog                                                                                                                                                                                                                                                                                                                 |
| <b>Intelligent</b>         |                                                                                                                                                                                                                                                                                                                               |
| 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)                                                                                                                                          |
| Statistical Analysis       | N/A                                                                                                                                                                                                                                                                                                                           |
| Attribute Collection       | SIP with color retrieval                                                                                                                                                                                                                                                                                                      |
| <b>Events</b>              |                                                                                                                                                                                                                                                                                                                               |
| Basic Detection            | Motion Detection, Ultra 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, HTTP Authentication, Alarm Input, Alarm Output                                                                                                                                                                      |
| <b>Audio</b>               |                                                                                                                                                                                                                                                                                                                               |
| Audio Compression          | G.711U, G.711A                                                                                                                                                                                                                                                                                                                |
| Audio Bitrate              | 64 Kbps                                                                                                                                                                                                                                                                                                                       |
| Two-way Audio              | Support                                                                                                                                                                                                                                                                                                                       |
| Suppression                | Support                                                                                                                                                                                                                                                                                                                       |
| Sampling Rate              | 8 kHz                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>             |                                                                                                                                                                                                                                                                                                                               |
| Edge Storage               | Micro SD, up to 512 GB                                                                                                                                                                                                                                                                                                        |
| Network Storage            | ANR, NAS (NFS)                                                                                                                                                                                                                                                                                                                |

## Network

|                        |                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocols              | IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, SSL/TLS, SSH                                                   |
| 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               | 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                 | UNV-Link, UNV-Link Pro, EZStation                                                                                                                                                                          |
| Web Browser            | Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+                                                                           |

## Interface

|                  |                                                                                               |
|------------------|-----------------------------------------------------------------------------------------------|
| Audio I/O        | 1 Input: impedance 35 kΩ, amplitude 2 V [p-p], 1 Output: impedance 600 Ω, amplitude 2 V [p-p] |
| Alarm I/O        | 1/1                                                                                           |
| Serial Port      | N/A                                                                                           |
| Built-in Mic     | Support                                                                                       |
| Built-in Speaker | N/A                                                                                           |
| WIFI             | N/A                                                                                           |
| Network          | 1 × RJ45 10 M/100 M Base-TX Ethernet                                                          |
| Video Output     | N/A                                                                                           |

## Certification

|             |                                                                                           |
|-------------|-------------------------------------------------------------------------------------------|
| EMC         | CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130)<br>FCC (FCC 47 CFR part15 B)  |
| Safety      | CE-LVD (EN 62368-1)<br>CB (IEC 62368-1)<br>UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1) |
| Environment | CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU)                                      |
| Protection  | IP67 (IEC 60529)<br>IK10 (IEC 62262)                                                      |

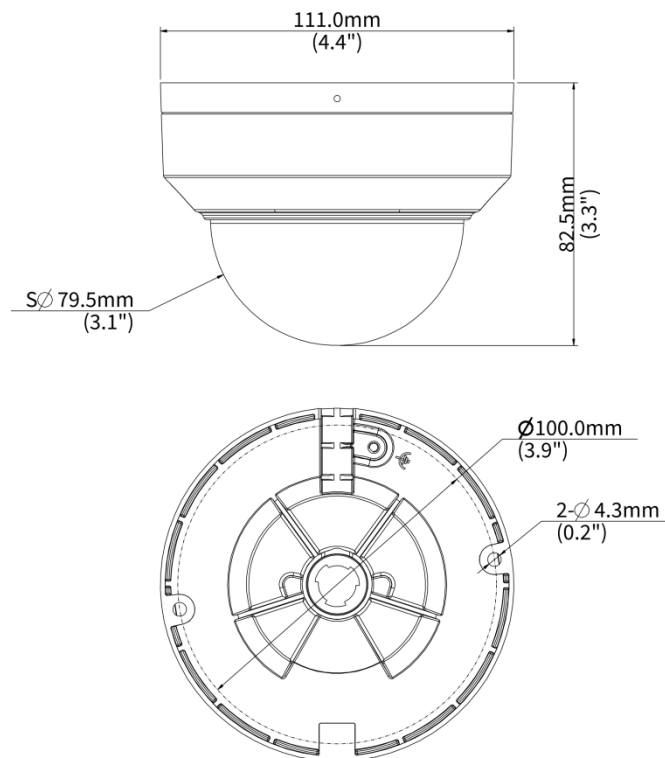
## General

|                     |                                                                         |
|---------------------|-------------------------------------------------------------------------|
| Power               | DC 12V±25%, PoE (IEEE 802.3af)                                          |
| Power Consumption   | Max 6.5W                                                                |
| Power Interface     | Ø5.5 mm coaxial power plug                                              |
| Dimensions          | Ø111 x 83mm (Ø4.4" x 3.3") (Ø x H)                                      |
| Weight              | 0.42kg (0.93lb)                                                         |
| Material            | Metal                                                                   |
| Working Environment | -30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing) |
| Storage Environment | -30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing) |
| Surge Protection    | 4 KV                                                                    |
| Reset Button        | Support                                                                 |

Web Client  
Language

20 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

## Dimensions



## Accessories

TR-JB03-G-IN

Junction Box for Mini Fix-dome(Support wiring from behind)



TR-JB07/WM03-G-IN

Wall Mounting Assembling Bracket For 32 F  
ix-dome&Mini Fix-  
dome&Plastic Turret Camera



TR-WM03-D-IN

Wall Mounting Bracket for 32 Fix-  
dome&Mini Fix-  
dome&Plastic Turret Camera



TR-CM24-IN

Dome Pendent Mounting Bracket(Indoor)



TR-SE24-A-IN

Dome Pendent Mounting Pole 500mm



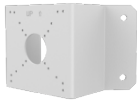
TR-SE24-IN

Dome Pendent Mounting Pole 200mm



TR-UC08-C

Bullet&Dome Corner Mounting Bracket



TR-A01-IN

NPT 3/4" Waterproof Cable Gland



TR-UP06-IN

Universal Pole Mounting Bracket



TR-UM06-E-IN

Slant Mounting Bracket for Fixed Dome



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