

# 4MP HD Intelligent LightHunter IR Fixed Dome Network Camera

IPC324SB-DF28(40)K-I0



## Features

- High quality image with 4MP, 1/3" CMOS sensor
- 4MP (2688 × 1520)@30/25 fps; 4MP (2560 × 1440)@30/25 fps; 3MP (2304 × 1296)@30/25 fps; 2MP (1920 × 1080)@30/25 fps
- Ultra 265, H.265, H.264, MJPEG
- Intelligent perimeter protection, include cross line, intrusion, enter area, leave area detection
- Intelligent Intrusion Prevention System based on target classification significantly reduces false alarms caused by leaves, birds, and lighting, accurately focusing on humans, vehicles, and non-motorized vehicles
- Intelligent People Flow Counting and Crowd Density Monitoring
- LightHunter technology ensures ultra-high image quality in low illumination environment
- 120 dB 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
- Smart IR, up to 30 m (98 ft) IR distance
- Supports up to 512 GB Micro SD Card
- IK10 vandal resistant and IP67 protection

## Specifications

|       |                   |                   |
|-------|-------------------|-------------------|
| Model | IPC324SB-DF28K-I0 | IPC324SB-DF40K-I0 |
|-------|-------------------|-------------------|

## Camera

|                   |                                                   |
|-------------------|---------------------------------------------------|
| Max Resolution    | 4 MP                                              |
| Sensor            | 1/3.0" CMOS                                       |
| Min. Illumination | Colour:0.002 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: 3° ~ 360°, Tilt: 0° ~ 68°, Rotate: 3° ~ 360° |
| S/N               | >52 dB                                            |
| WDR               | 120 dB                                            |

## Lens

|                   |        |        |
|-------------------|--------|--------|
| Focal Length      | 2.8 mm | 4.0 mm |
| Iris Type         | Fixed  |        |
| Iris              | F1.6   |        |
| Field of View (H) | 101.1° | 83.7°  |
| Field of View (V) | 55.3°  | 44.9°  |
| Field of View (D) | 111.1° | 89.2°  |
| Lens Type         | Fixed  |        |

## DORI

|                           |                |                |
|---------------------------|----------------|----------------|
| DORI Distance (Lens)      | 2.8mm          |                |
| DORI Distance (Detect)    | 63.0m(206.7ft) | 90.0m(295.2ft) |
| DORI Distance (Observe)   | 25.2m(82.7ft)  | 36.0m(118.1ft) |
| DORI Distance (Recognize) | 12.6m(41.3ft)  | 18.0m(59.1ft)  |
| DORI Distance (Identify)  | 6.3m(20.7ft)   | 9.0m(29.5ft)   |

## Illuminator

|                            |                |
|----------------------------|----------------|
| Supplemental Light         | IR             |
| Illumination Distance (IR) | 30 m (98.4 ft) |
| Wavelength                 | 850 nm         |
| Light On/Off Control       | Auto/Manual    |

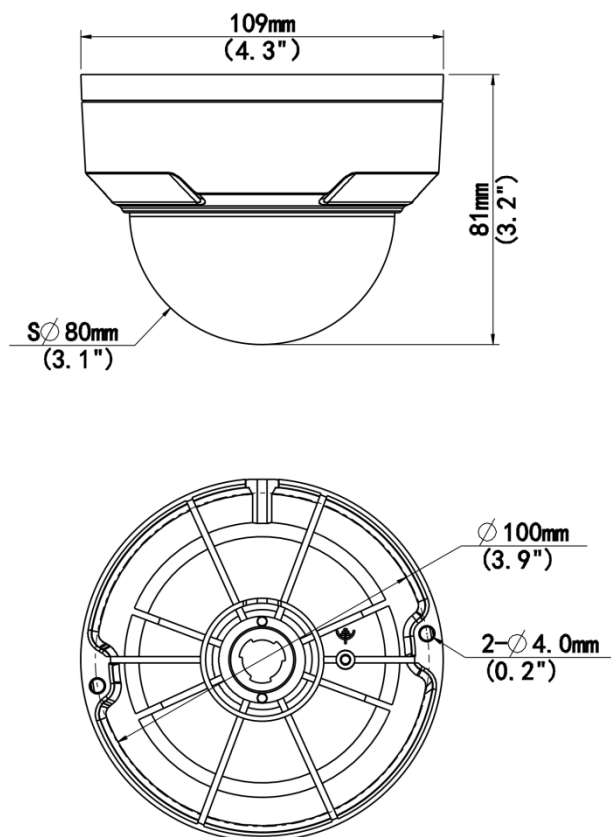
## Video

|                    |                                              |
|--------------------|----------------------------------------------|
| Video Compression  | Ultra 265, H.265, H.264, MJPEG               |
| H.264 Code Profile | Baseline profile, Main profile, High profile |

|                            |                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frame Rate                 | Main Stream: 4MP (2688*1520), Max 30fps; 4MP (2560*1440), Max 30fps; 3MP (2304*1296), Max 30fps; 1080P (1920*1080), Max 30fps;<br>Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, 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>               |                                                                                                                                                                                                                                                                                                                                           |
| Smart IR                   | Support                                                                                                                                                                                                                                                                                                                                   |
| White Balance              | Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2                                                                                                                                                                                                                                                                                      |
| Digital Noise Reduction    | 2D/3D DNR                                                                                                                                                                                                                                                                                                                                 |
| 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)                                                                                                                                                      |
| People Counting            | Support people flow counting and crowd density monitoring                                                                                                                                                                                                                                                                                 |
| Statistical Analysis       | N/A                                                                                                                                                                                                                                                                                                                                       |
| <b>Events</b>              |                                                                                                                                                                                                                                                                                                                                           |
| Basic Detection            | Motion detection, Ultra motion detection, Tampering alarm, Audio detection                                                                                                                                                                                                                                                                |
| General Function           | Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication                                                                                                                                                                                                             |
| <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)                                                                                                                                                                                                                                                                                                                            |
| <b>Network</b>             |                                                                                                                                                                                                                                                                                                                                           |
| Protocols                  | IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL/TLS, 802.1x, SNMP, PPPoE                                                                                                                                                                                            |

|                        |                                                                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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               | 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+                                                                                                                                    |
| <b>Interface</b>       |                                                                                                                                                                                                                                                                     |
| 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           | N/A                                                                                                                                                                                                                                                                 |
| Built-in Speaker       | N/A                                                                                                                                                                                                                                                                 |
| WIFI                   | N/A                                                                                                                                                                                                                                                                 |
| Network                | 1 × RJ45 10 M/100 M Base-TX Ethernet                                                                                                                                                                                                                                |
| Video Output           | N/A                                                                                                                                                                                                                                                                 |
| <b>Certification</b>   |                                                                                                                                                                                                                                                                     |
| EMC                    | CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035)<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)                                                                                                                                                                                                                                |
| <b>General</b>         |                                                                                                                                                                                                                                                                     |
| Power                  | DC 12V±25%, PoE (IEEE 802.3af)                                                                                                                                                                                                                                      |
| Power Consumption      | Max 4.5W                                                                                                                                                                                                                                                            |
| Power Interface        | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                                          |
| Dimensions             | Ø108.7 x 81.1mm (Ø4.3" x 3.2") (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           | N/A                                                                                                                                                                                                                                                                 |
| 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-UM06-E-IN

Slant Mounting Bracket for Fixed Dome



TR-A01-IN

NPT 3/4" Waterproof Cable Gland



TR-UP06-IN

Universal Pole Mounting Bracket



TR-UC08-C

Bullet&Dome Corner Mounting Bracket



TR-SE24-IN

Dome Pendant Mounting Pole 200mm



TR-SE24-A-IN

Dome Pendant Mounting Pole 500mm



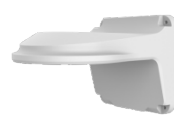
TR-CM24-IN

Dome Pendant Mounting Bracket(Indoor)



TR-WM03-D-IN

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



TR-JB07/WM03-G-IN

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



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