

## IPC-D120HA-D/W(W) 2 MP EXIR Fixed Dome Network Camera



- Realizing Wi-Fi connection and easy installation
- Provides real-time security via built-in two-way audio
- EXIR 2.0, advanced infrared technology with long IR distance
- Water and dust resistant (IP66)
- Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
- Hik-Connect cloud service and app for remote management and views of devices

## ▪ Specification

| Camera                      |                                                                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.8" Progressive Scan CMOS                                                                                                    |
| Min. Illumination           | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR                                                                           |
| Max. Resolution             | 1920 × 1080                                                                                                                     |
| Shutter Time                | 1/3 s to 1/100,000 s                                                                                                            |
| Day & Night                 | IR cut filter                                                                                                                   |
| Lens                        |                                                                                                                                 |
| Lens Type                   | Fixed focal lens, 2.8 and 4 mm optional                                                                                         |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 92°, vertical FOV 50°, diagonal FOV 110°<br>4 mm, horizontal FOV 75°, vertical FOV 41°, diagonal FOV 89° |
| Aperture                    | F1.6                                                                                                                            |
| Iris Type                   | Fixed                                                                                                                           |
| Lens Mount                  | M12                                                                                                                             |
| Depth of Field              | 2.8 mm: 1.5 m to ∞<br>4 mm: 2 m to ∞                                                                                            |
| DORI                        |                                                                                                                                 |
| DORI                        | 2.8 mm, D: 42 m, O: 17 m, R: 9 m, I: 4 m<br>4 mm, D: 52 m, O: 21 m, R: 11 m, I: 5 m                                             |
| Illuminator                 |                                                                                                                                 |
| Supplement Light Type       | IR                                                                                                                              |
| Supplement Light Range      | Up to 30 m                                                                                                                      |
| Smart Supplement Light      | Yes                                                                                                                             |
| IR Wavelength               | 850 nm                                                                                                                          |
| Video                       |                                                                                                                                 |
| Main Stream                 | 50 Hz: 25 fps (1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 720)                                              |
| Sub-Stream                  | 50 Hz: 25 fps (768 × 432, 512 × 288)<br>60 Hz: 30 fps (768 × 432, 512 × 288)                                                    |
| Video Compression           | Main stream: H.264/H.265<br>Sub-stream: H.264/H.265                                                                             |
| Video Bit Rate              | Up to 1 Mbps                                                                                                                    |
| H.264 Type                  | Baseline Profile/Main Profile/High Profile                                                                                      |
| Audio                       |                                                                                                                                 |
| Audio Compression           | G.711/AAC-LC                                                                                                                    |
| Audio Bit Rate              | 64 Kbps (G.711)/16 to 64 Kbps (AAC-LC)                                                                                          |
| Audio Sampling Rate         | 8 kHz/16 kHz                                                                                                                    |
| Environment Noise Filtering | Yes                                                                                                                             |
| Network                     |                                                                                                                                 |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, UPnP, IGMP, QoS, IPv4, UDP, Bonjour, SSL/TLS                   |
| Simultaneous Live View      | Up to 4 channels                                                                                                                |
| API                         | ONVIF, SDK                                                                                                                      |
| User/Host                   | administrator                                                                                                                   |

|                                  |                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Security                         | Password protection, HTTPS encryption, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE for Open Network Video Interface |
| Client                           | iVMS-4200, HiLookVision, Hik-Partner-Pro                                                                                                                      |
| <b>Wi-Fi</b>                     |                                                                                                                                                               |
| Wi-Fi Protocol                   | IEEE802.11b, IEEE802.11g, IEEE802.11n                                                                                                                         |
| Frequency Range                  | 2.412 GHz to 2.472 GHz                                                                                                                                        |
| Channel Bandwidth                | 20 MHz                                                                                                                                                        |
| Modulation                       | 802.11b: CCK, QPSK, BPSK, 802.11g: OFDM, 802.11n: OFDM                                                                                                        |
| Transfer Rate                    | 11b: up to 54 Mbps, 11g: up to 54 Mbps, 11n: up to 150 Mbps                                                                                                   |
| Wireless Range                   | Up to 120 m<br>(The performance varies based on actual environment)                                                                                           |
| Antenna                          | 2 Antennas                                                                                                                                                    |
| <b>Image</b>                     |                                                                                                                                                               |
| Image Settings                   | Saturation, brightness, contrast, sharpness adjustable by client software or web browser                                                                      |
| Day/Night Switch                 | Auto, Schedule, Day, Night                                                                                                                                    |
| Wide Dynamic Range (WDR)         | Digital WDR                                                                                                                                                   |
| Privacy Mask                     | 4 programmable polygon privacy masks                                                                                                                          |
| <b>Interface</b>                 |                                                                                                                                                               |
| Built-in Microphone              | Yes, 1 built-in microphone                                                                                                                                    |
| Built-in Speaker                 | Yes, 1 built-in speaker                                                                                                                                       |
| On-Board Storage                 | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB                                                                             |
| Reset Key                        | Yes                                                                                                                                                           |
| Ethernet Interface               | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                 |
| <b>Event</b>                     |                                                                                                                                                               |
| Basic Event                      | Motion detection (support alarm triggering by specified target types (human and vehicle)), exception                                                          |
| Linkage                          | Upload to memory card, notify surveillance center, trigger capture, audible warning, auto-tracking lite                                                       |
| <b>Deep Learning Function</b>    |                                                                                                                                                               |
| Perimeter Protection             | Line crossing, intrusion, region entrance, region exiting<br>Support alarm triggered by specified target types (human and vehicle)                            |
| <b>General</b>                   |                                                                                                                                                               |
| Power                            | 12 VDC $\pm$ 10%, 1 A, max. 10 W, $\varnothing$ 2 mm coaxial power plug, reverse polarity protection                                                          |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                     |
| General Function                 | Heartbeat, mirror                                                                                                                                             |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                     |
| Material                         | Base: metal, front cover: polycarbonate, back cover: polycarbonate                                                                                            |
| Dimension                        | 120 mm $\times$ 120 mm $\times$ 95 mm (4.7" $\times$ 4.7" $\times$ 3.7")                                                                                      |
| Package Dimension                | 170 mm $\times$ 170 mm $\times$ 150 mm (6.7" $\times$ 6.7" $\times$ 5.9")                                                                                     |
| Weight                           | Approx. 593 g (1.3 lb.)                                                                                                                                       |
| With Package Weight              | Approx. 886 g (1.95 lb.)                                                                                                                                      |

| Approval    |                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------|
| RF          | CE-RED (EN 301489-1 V2.1.1(BT or 2.4G); EN 301489-17 V3.1.1(BT or 2.4G); EN 300328 V2.1.1(BT or 2.4G); EN 62311:2008(BT or 2.4G)) |
| EMC         | CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014                                 |
| Safety      | CB: IEC 62368-1: 2014+A11,<br>CE-LVD: EN 62368-1: 2014/A11: 2017                                                                  |
| Environment | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU                                                                                          |
| Protection  | IP66: IEC 60529-2013                                                                                                              |

## ▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

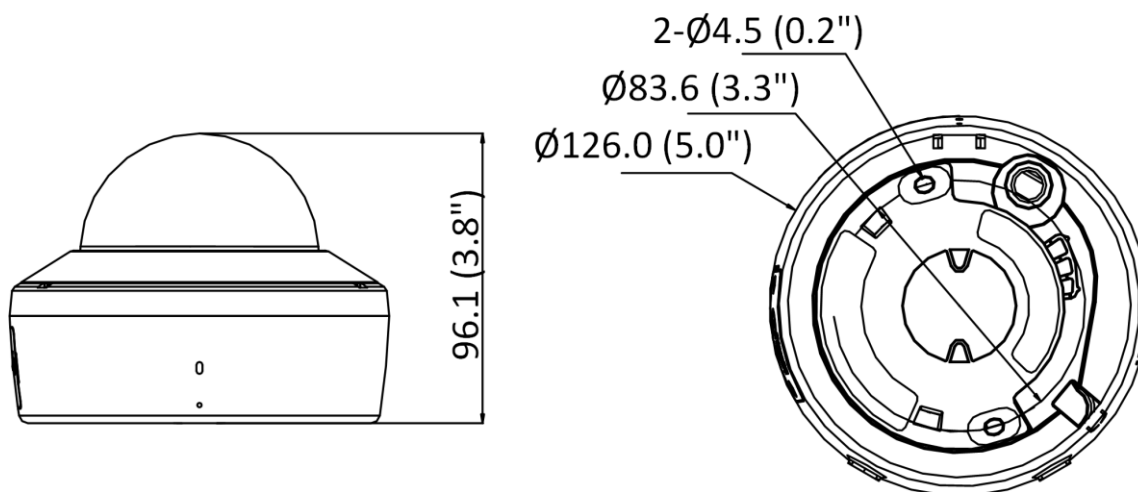
| Level                  | Description                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Top-level protection   | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.                                             |
| Moderate protection    | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.                                                                                                                                  |

## ▪ Available Model

IPC-D120HA-D/W(2.8mm)(W)

IPC-D120HA-D/W(4mm)(W)

## ▪ Dimension



Unit: mm (inch)

## ▪ Accessory

### ▪ Optional

| DS-1272ZJ-120<br>Wall mount | DS-1272ZJ-120B<br>Wall mount | DS-1271ZJ-120<br>Pendant Mount |
|-----------------------------|------------------------------|--------------------------------|
|                             |                              |                                |
|                             |                              |                                |

# HiLook

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