# IPC-D120HA-LUFC
## 2 MP Smart Hybrid Light Fixed Dome Network Camera







- High quality imaging with 2 MP resolution
- Support Human Detection
- Efficient H.265+ compression technology
- Smart Hybrid Light: advanced technology with long range coverage
- Built-in microphone for real-time audio security
- -F model supports on-board storage up to 512 GB (SD card slot)

## ▪ Specification

| | |
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| **Camera** | |
| Image Sensor | 1/2.9" Progressive Scan CMOS |
| Max. Resolution | 1920 × 1080 |
| Min. Illumination | Color: 0.01 Lux @ (F2.2, AGC ON),B/W: 0 Lux with IR |
| Shutter Time | 1/3 s to 1/100,000 s |
| Day & Night | IR cut filter |
| Angle Adjustment | Pan: 0° to 355°,tilt: 0° to 75°,rotate: 0° to 355° |
| **Lens** | |
| Lens Type | Fixed focal lens, 2.8 and 4 mm optional |
| Focal Length & FOV | 2.8 mm, horizontal FOV 101°, vertical FOV 56°, diagonal FOV 118°<br>4 mm, horizontal FOV 80°, vertical FOV 44°, diagonal FOV 94° |
| Lens Mount | M12 |
| Iris Type | Fixed |
| Aperture | F2.2 |
| **DORI** | |
| DORI | 2.8 mm, D: 44 m, O: 17 m, R: 8 m, I: 4 m<br>4 mm, D: 55 m, O: 22 m, R: 11 m, I: 5 m |
| **Illuminator** | |
| Supplement Light Type | IR,White Light |
| Supplement Light Range | IR: up to 20 m<br>White Light: up to 15 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 (640 × 480, 640 × 360)<br>60 Hz: 30 fps (640 × 480, 640 × 360) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264,<br>Sub-stream: H.265/H.264/MJPEG |
| Video Bit Rate | 32 Kbps to 8 Mbps |
| H.264 Type | Baseline Profile,Main Profile,High Profile |
| H.265 Type | Main Profile |
| Bit Rate Control | CBR,VBR |
| Region of Interest (ROI) | 1 fixed region for main stream |
| **Audio** | |
| Audio Type | Mono sound |
| Audio Bit Rate | 64 Kbps (G.711ulaw)/16 to 64 Kbps (AAC-LC) |
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8 kHz/16 kHz |
| Audio Compression | G.711ulaw/AAC-LC |
| **Network** | |
| Protocols | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTCP, RTSP,NTP, IGMP, IPv4, IPv6, UDP, QoS |
| API | Open Network Video Interface (Profile S, Profile T, Profile G (-F model supports)),ISAPI,SDK |

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| Security | Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address) |
| Simultaneous Live View | Up to 6 channels |
| User/Host | Up to 32 users<br>3 user levels: administrator, operator, and user |
| Client | iVMS-4200,HiLookVision |
| Web Browser | Plug-in required live view: IE 10, IE 11,<br>Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+ |
| **Image** | |
| Wide Dynamic Range (WDR) | Digital WDR |
| SNR | ≥ 52 dB |
| Day/Night Switch | Day,Night,Auto,Schedule |
| Image Enhancement | BLC,HLC,3D DNR |
| Image Settings | Saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser |
| Privacy Mask | 1 programmable polygon privacy mask |
| **Interface** | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| On-Board Storage | -F model: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB |
| Built-in Microphone | Yes,1 built-in microphone |
| **Event** | |
| Basic Event | Motion detection (support alarm triggering by specified target type (human)), exception |
| Linkage | Upload to memory card (-F model supports), send email, notify surveillance center, trigger recording (-F model supports), trigger capture |
| **General** | |
| Power | 12 VDC ± 25%, 0.45 A, max. 5.4 W,Ø5.5 mm coaxial power plug,reverse polarity protection,<br>PoE: IEEE 802.3af, Class 3, max. 7 W |
| Material | Plastic |
| Dimension | Ø121.5 mm × 97.6 mm (Ø4.78" × 3.84") |
| Package Dimension | 150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6") |
| Weight | Approx. 600 g (1.2 lb.) |
| With Package Weight | Approx. 790 g (1.7 lb.) |
| Storage Conditions | -10 °C to 40 °C (14 °F to 104 °F). Humidity 95% or less (non-condensing) |
| Startup and Operating Conditions | -10 °C to 40 °C (14 °F to 104 °F). Humidity 95% or less (non-condensing) |
| Language | English, Ukrainian |
| General Function | Heartbeat,anti-banding,mirror,password protection,password reset via email |
| **Approval** | |
| EMC | CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021,<br>KC: KN32: 2015, KN35: 2015 |

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| Safety | CB: IEC 62368-1: 2014+A11,<br>CE-LVD: EN 62368-1: 2014/A11: 2017,<br>BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005 |
| Environment | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006 |

## ▪ 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 |

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| | are required for use in areas where professional anti-cor |

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| | rosion protection is a must. Typical applications scenarios inc |

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| | ludecoastlines, docks, chemical plants, and more. |
| Moderate protection | Hikv |

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| | is ion products at this level are required for use in areas w |

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| | with moderate anti-corrosion demands. Typical applications |

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| | cenarios include coastal area about 2 kilometers (1.24 m |

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| | il<br>e<br>s<br>)<br>a<br>w<br>a<br>y<br>f<br>r<br>o<br>m<br><br>c<br>o<br>a<br>s<br>tl<br>i<br>n<br>e<br>s<br>,<br>a<br>s<br>w<br>e<br>ll<br>a<br>s<br>a<br>r<br>e<br>a<br>s<br>a<br>ff<br>e<br>c<br>t<br>e<br>d<br>b<br>y<br>a<br>c<br>i |

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|---|---|
| | d r a i n . |
| No specific protection | H i k v i s i o n p r o d u c t s a t t h i s l e v e l a r e e q u i p p e d f o r u |

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| | seinareaswhereno specificanti-corrosionprotectionisne |

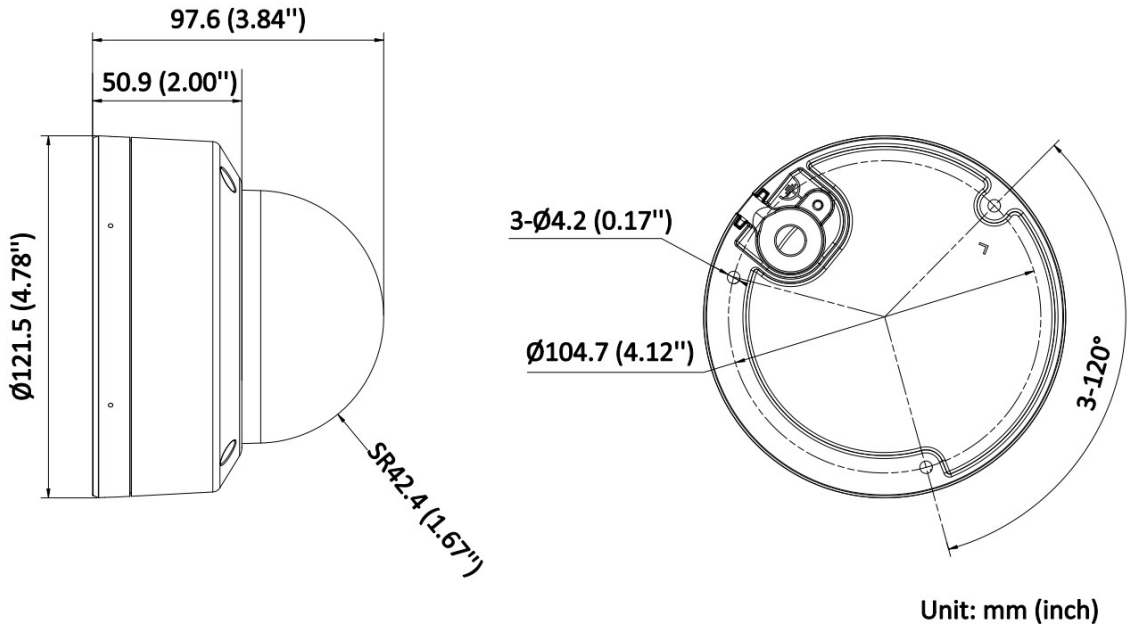
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| | e<br>d<br>e<br>d<br>. |

## ▪ Available Model

IPC-D120HA-LUFC(2.8mm)

IPC-D120HA-LUFC(4mm)

## ▪ Dimension




Unit: mm (inch)

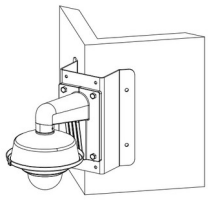
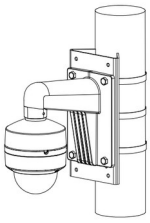
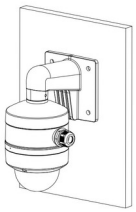
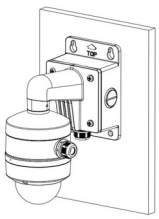
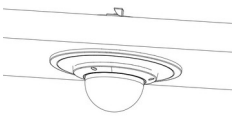
## ▪ Accessory

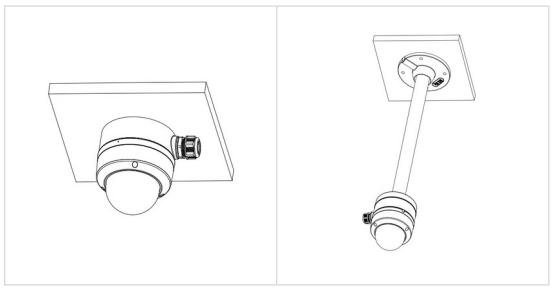
### ▪ Optional

| DS-1276ZJ-SUS | DS-1275ZJ-S-SUS | DS-1272ZJ-120 | DS-220AZJ-130-WA | DS-1475ZJ-SUS |
|---|---|---|---|---|
|  |  |  |  |  |
| **DS-1275ZJ-SUS** | **DS-1476ZJ-SUS** | **DS-4221ZJ-WC** | **DS-1280ZJ-DM46** | **DS-1271ZJ-120** |

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|---|---|---|---|---|
|  |  |  |  |  |
| DS-1272ZJ-120B | DS-220AZJ-145-WA | | | |
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## Installation Methods

| Corner Mounting DS-1276ZJ-SUS+DS-1272ZJ-120+DS-1253ZJ-M | Corner Mounting DS-1476ZJ-SUS+DS-220AZJ-145-WA | Vertical Pole Mounting DS-1275ZJ-S-SUS+DS-220AZJ-130-WA | Vertical Pole Mounting DS-1475ZJ-SUS+DS-220AZJ-130-WA | Vertical Pole Mounting DS-1275ZJ-SUS+DS-1272ZJ-120 |
|---|---|---|---|---|
|  |  |  |  |  |
| Wall Mounting DS-1272ZJ-120+DS-1280ZJ-DM46 | Wall Mounting DS-220AZJ-130-WA | Wall Mounting DS-1272ZJ-120B+DS-1280ZJ-DM46 | Wall Mounting DS-220AZJ-145-WA | In-Ceiling Mounting DS-4221ZJ-WC |
|  |  |  |  |  |
| Junction Box DS-1280ZJ-DM46 | Pendant Mounting DS-1271ZJ-120+DS-1280ZJ-DM46 | | | |



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