

# HIKVISION®

## HiWatch Series

### HWI-D121H-C 2 MP Fixed Dome Network Camera



- High quality imaging with 2 MP resolution
- Easy installation with Power over Ethernet (PoE) technology

## ▪ Specification

| Camera                 |   |
|------------------------|---|
| Image Sensor           | 1/2.9" Progressive Scan CMOS  |
| Max. Resolution        | 1920 × 1080   |
| Shutter Time           | 1/3 s to 1/100,000 s  |
| Min. Illumination      | Color: 0.01 Lux @ (F2.2, AGC ON), B/W: 0 Lux with IR  |
| Day & Night            | IR cut filter   |
| Angle Adjustment       | Pan: 0° to 360°, tilt: 0° to 75°  |
| 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  |
| Depth of Field         | 2.8 mm: 0.8 m to ∞<br>4 mm: 1 m to ∞  |
| 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  |
| Supplement Light Range | Up to 20 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  |
| 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  |
| Network                |   |
| Security               | Password protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address) |
| Simultaneous Live View | Up to 6 channels  |
| API                    | ISAPI, SDK  |
| Protocols              | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, UDP, QoS   |
| User/Host              | Up to 32 users<br>3 user levels: administrator, operator, and user  |
| Client                 | iVMS-4200   |

|                                  |   |
|----------------------------------|---|
| Web Browser                      | Plug-in required live view: IE 10, IE 11,<br>Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+                                   |
| <b>Image</b>                     |   |
| 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                      |
| <b>Interface</b>                 |   |
| Ethernet Interface               | 1 RJ45 10 M/100 M self-adaptive Ethernet port   |
| <b>Event</b>                     |   |
| Basic Event                      | Motion detection, exception   |
| Linkage                          | Notify surveillance center  |
| <b>General</b>                   |   |
| Power                            | 12 VDC ± 25%, 0.4 A, max. 4.8 W, Ø5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3af, Class 3, max. 6.5 W |
| Material                         | Plastic   |
| Dimension                        | Ø110.8 mm × 85.2 mm (Ø4.36" × 3.35")  |
| Package Dimension                | 163 mm × 75 mm × 75 mm (6.4" × 3.0" × 3.0")   |
| Weight                           | Approx. 240 g (0.5 lb.)   |
| With Package Weight              | Approx. 380 g (0.8 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  |
| <b>Approval</b>                  |   |
| 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,<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 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   |

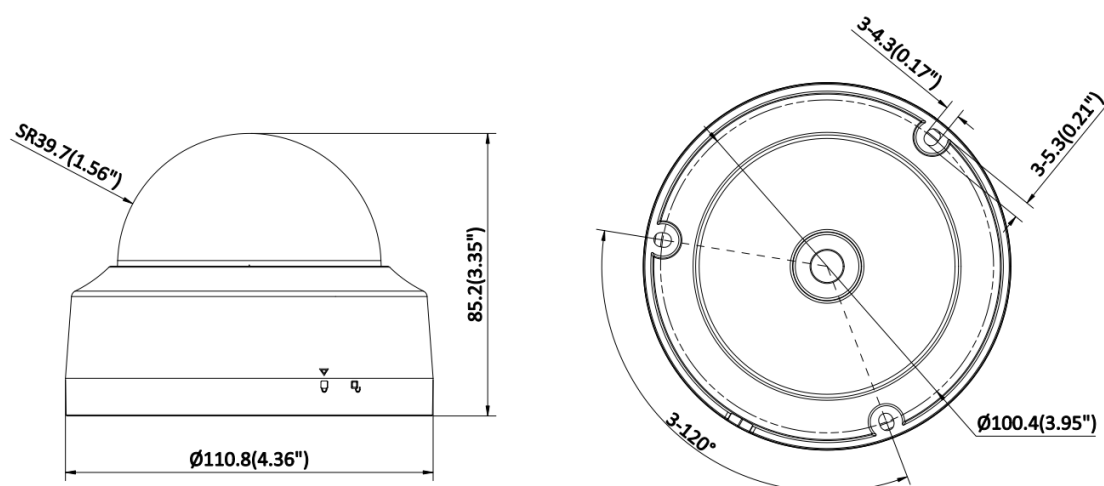
|                        |   |
|------------------------|---|
|                        | anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.   |

## ▪ Available Model

HWI-D121H-C (2.8/4 mm)

HWI-D121H-C (2.8/4 mm)(B)

## ▪ Dimension






Unit: mm (inch)

## ▪ Accessory

### ▪ Optional

| ▪ DS-1275ZJ-SUS<br>▪ Vertical Pole Mount  | DS-2200ZJ-WAJ-110<br>Wall Mount   | DS-2200ZJ-WA-110<br>Wall Mount  | DS-1276ZJ-SUS<br>Corner Mount   | DS-1250ZJ<br>Rain Shade   |
|---|---|---|---|---|
|  |  |  |  |  |
| DS-1259ZJ<br>Inclined Ceiling Mount   | DS-1258ZJ<br>Wall Mount   | DS-1280ZJ-DM18<br>Junction Box  | DS-2280ZJ-WA110<br>Junction Box   | DS-1272ZJ-110B<br>Wall Mount  |
|  |  |  |  |  |

| DS-1272ZJ-110<br>Wall Mount   | DS-1271ZJ-110<br>Pendant Mount  | DS-2210ZJ-WA-110<br>Pendant Mount   |
|---|---|---|
|  |  |  |

#### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
www.hikvision.com



Follow us on social media to get the latest product and solution information.



Hikvision



HikvisionHQ



HikvisionHQ



Hikvision\_Global



Hikvision  
Corporate Channel



hikvisionhq