

## IPC-D180H 8 MP Fixed Dome Network Camera



- High quality imaging with 8 MP resolution
- Efficient H.265+ compression technology to save bandwidth and storage
- Clear imaging against strong back light due to 120 dB true WDR technology
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Easy installation with Power over Ethernet (PoE) technology

## ▪ Specification

| Camera                   |                                                                                                                                                                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor             | 1/2.8" Progressive Scan CMOS                                                                                                                                                                                                                                                                    |
| Max. Resolution          | 3840 × 2160                                                                                                                                                                                                                                                                                     |
| Shutter Time             | 1/3 s to 1/100,000 s                                                                                                                                                                                                                                                                            |
| Min. Illumination        | Color: 0.01 Lux @(F2.0, AGC ON), B/W: 0 Lux with IR                                                                                                                                                                                                                                             |
| Day & Night              | IR cut filter                                                                                                                                                                                                                                                                                   |
| Angle Adjustment         | Pan: 0° to 355°, tilt: 0° to 75°                                                                                                                                                                                                                                                                |
| Lens                     |                                                                                                                                                                                                                                                                                                 |
| Lens Type                | Fixed focal lens, 2.8 and 4 mm optional                                                                                                                                                                                                                                                         |
| Focal Length & FOV       | 2.8 mm, horizontal FOV 108°, vertical FOV 60°, diagonal FOV 127°<br>4 mm, horizontal FOV 86°, vertical FOV 46°, diagonal FOV 102°                                                                                                                                                               |
| Lens Mount               | M12                                                                                                                                                                                                                                                                                             |
| Iris Type                | Fixed                                                                                                                                                                                                                                                                                           |
| Aperture                 | F2.0                                                                                                                                                                                                                                                                                            |
| DORI                     |                                                                                                                                                                                                                                                                                                 |
| DORI                     | 2.8 mm, D: 81 m, O: 32 m, R: 16 m, I: 8 m<br>4 mm, D: 106 m, O: 42 m, R: 21 m, I: 11 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: 12.5 fps (3840 × 2160), 20 fps (2592 × 1944), 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz: 15 fps (3840 × 2160), 20 fps (2592 × 1944), 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)                                                                                          |
| Sub-Stream               | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 30 fps (1280 × 720, 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 16 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                                                                                                                                                                                                                                                                  |
| Network                  |                                                                                                                                                                                                                                                                                                 |
| Security                 | Password protection, complicated password, HTTPS encryption, watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2, host authentication (MAC address) |
| Simultaneous Live View   | Up to 6 channels                                                                                                                                                                                                                                                                                |
| API                      | Open Network Video Interface (Profile S), ISAPI, SDK                                                                                                                                                                                                                                            |

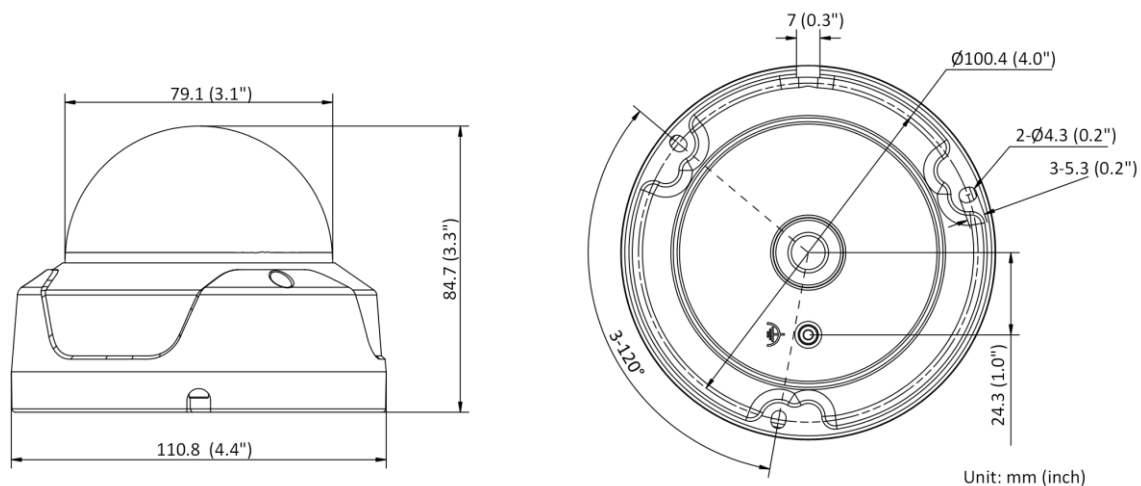
|                                  |                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocols                        | TCP/IP, ICMP, DHCP, DNS, DDNS, HTTP, HTTPS, RTP, RTSP, NTP, UPnP, IGMP, IPv6, UDP, QoS, Bonjour, FTP, SMTP                                                                |
| User/Host                        | Up to 32 users<br>3 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+                                                                                    |
| <b>Image</b>                     |                                                                                                                                                                           |
| Wide Dynamic Range (WDR)         | 120 dB                                                                                                                                                                    |
| SNR                              | ≥ 52 dB                                                                                                                                                                   |
| Day/Night Switch                 | Day, Night, Auto, Schedule                                                                                                                                                |
| Image Enhancement                | BLC, HLC, 3D DNR                                                                                                                                                          |
| Image Settings                   | Mirror, rotate, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser                                             |
| Privacy Mask                     | 4 regions of privacy mask                                                                                                                                                 |
| <b>Interface</b>                 |                                                                                                                                                                           |
| Ethernet Interface               | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                             |
| <b>Event</b>                     |                                                                                                                                                                           |
| Basic Event                      | Motion detection, video tampering alarm, exception                                                                                                                        |
| Linkage                          | Notify surveillance center, trigger capture                                                                                                                               |
| <b>General</b>                   |                                                                                                                                                                           |
| Power                            | 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug<br>PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W                                             |
| Material                         | Metal & Plastic                                                                                                                                                           |
| Dimension                        | Ø110.8 mm × 84.7 mm (4.4" × 3.3")                                                                                                                                         |
| Package Dimension                | 134 mm × 134 mm × 108 mm (5.3" × 5.3" × 4.3")                                                                                                                             |
| Weight                           | Approx. 520 g (1.1 lb.)                                                                                                                                                   |
| With Package Weight              | Approx. 720 g (1.6 lb.)                                                                                                                                                   |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                 |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                 |
| Language                         | English, Ukrainian                                                                                                                                                        |
| General Function                 | Anti-flicker, heartbeat, password protection, password reset via email                                                                                                    |
| <b>Approval</b>                  |                                                                                                                                                                           |
| EMC                              | FCC SDoC (47 CFR Part 15, Subpart B);<br>CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4: 2011+A1: 2014);<br>RCM (AS/NZS CISPR 32: 2015) |
| 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)                                                                                       |
| Protection                       | IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)                                                                                                                              |

## ▪ Available Model

IPC-D180H(2.8mm)(C)

IPC-D180H(4mm)(C)

## ▪ Dimension



## ▪ Accessory

### ▪ Optional

| HIA-J204<br>Inclined ceiling<br>Junction Box                                        | HIA-J104-DM18<br>Junction Box                                                       | HIA-B101-110<br>Pendant mount                                                       | HIA-B201<br>Corner mount                                                              | HIA-B301<br>Vertical pole mount                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |

| HIA-B401-110B<br>Wall Mount                                                       | HIA-B401-110<br>Wall Mount                                                        | HIA-P103<br>Rain shade                                                              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |



#### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
Technical Support: support@hikvision.com

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