

# HIKVISION®

## HiWatch Series

### HWP-N4215IH-DE(G) 2MP 15 × IR Network Speed Dome



- Four-inch 2 MP camera with pan, tilt and zoom (15 ×) ability
- Efficient H.265+ compression technology to save bandwidth and storage
- Clear imaging against strong back light due to 120 dB true WDR technology
- Excellent night-time performance with up to 100 m enhanced IR
- Water and dust resistant (IP66)



## ▪ Specification

| Camera                 |                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor           | 1/2.8" progressive scan CMOS                                                                                                                                              |
| Max. Resolution        | 1920 × 1080                                                                                                                                                               |
| Min. Illumination      | Color: 0.005 Lux @(F1.6, AGC ON), B/W: 0.001 Lux @(F1.6, AGC ON), 0 Lux with IR                                                                                           |
| Shutter Speed          | 1/1 s to 1/30,000 s                                                                                                                                                       |
| Day & Night            | IR Cut Filter                                                                                                                                                             |
| Zoom                   | 15 × optical, 16 × digital                                                                                                                                                |
| Lens                   |                                                                                                                                                                           |
| Focal Length           | 5 mm to 75 mm, 15 × optical                                                                                                                                               |
| FOV                    | Horizontal field of view: 57.6° to 4.0° (wide-tele),<br>Vertical field of view: 34.4° to 2.3° (wide-tele),<br>Diagonal field of view: 64.5° to 4.6° (wide-tele)           |
| Focus                  | Auto, semi-auto, manual                                                                                                                                                   |
| Aperture               | Max. F1.6                                                                                                                                                                 |
| Zoom Speed             | Approx. 2.3 s (optical lens, wide-tele)                                                                                                                                   |
| Illuminator            |                                                                                                                                                                           |
| Supplement Light Type  | IR                                                                                                                                                                        |
| Supplement Light Range | Up to 100 m                                                                                                                                                               |
| Smart Supplement Light | Yes                                                                                                                                                                       |
| PTZ                    |                                                                                                                                                                           |
| Movement Range (Pan)   | 360° endless                                                                                                                                                              |
| Movement Range (Tilt)  | From -15° to 90° (Auto-flip)                                                                                                                                              |
| Pan Speed              | Configurable, from 0.1°/s to 80°/s, Preset Speed: 80°/s                                                                                                                   |
| Tilt Speed             | Configurable, from 0.1°/s to 80°/s, Preset Speed: 80°/s                                                                                                                   |
| Proportional Pan       | Yes                                                                                                                                                                       |
| Presets                | 300                                                                                                                                                                       |
| Preset Freezing        | Yes                                                                                                                                                                       |
| Patrol Scan            | 8 patrols, up to 32 presets for each patrol                                                                                                                               |
| Pattern Scan           | 4 pattern scans, record time over 10 minutes for each scan                                                                                                                |
| Park Action            | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan                                                                                  |
| PTZ Status Display     | Yes                                                                                                                                                                       |
| Scheduled Task         | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust                                                          |
| Power-off Memory       | Yes                                                                                                                                                                       |
| Video                  |                                                                                                                                                                           |
| Main Stream            | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720),<br>60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)                                                                   |
| Sub-Stream             | 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288),<br>60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)                                                                           |
| Third Stream           | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288),<br>60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240) |

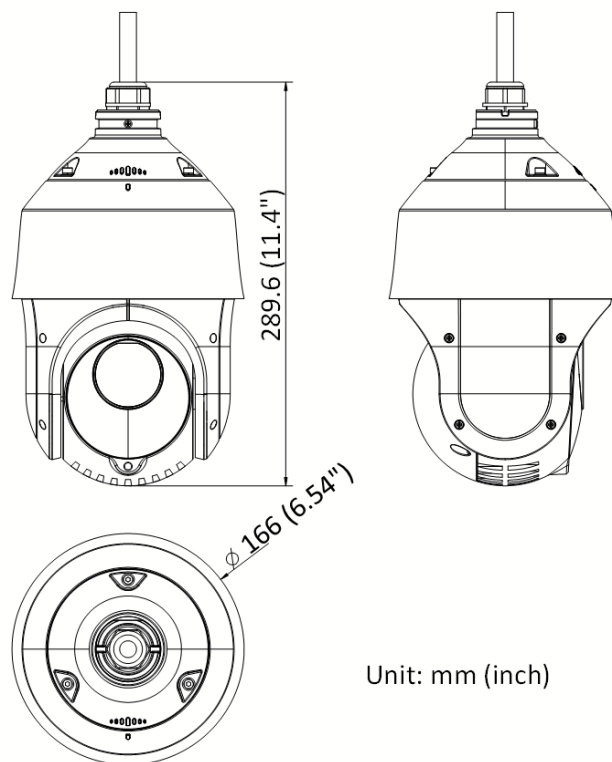
|                             |                                                                                                                                                                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression           | Main Stream: H.265+/H.265/H.264+/H.264,<br>Sub-Stream: H.265/H.264/MJPEG,<br>Third Stream: H.265/H.264/MJPEG                                                      |
| Video Bit Rate              | 32 Kbps to 16384 Kbps                                                                                                                                             |
| H.264 Type                  | Baseline Profile/Main Profile/High Profile                                                                                                                        |
| H.265 Type                  | Main Profile                                                                                                                                                      |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding                                                                                                                                          |
| Region of Interest (ROI)    | Main stream, sub-stream and third stream respectively support four fixed areas                                                                                    |
| <b>Network</b>              |                                                                                                                                                                   |
| Protocols                   | IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, Websocket, Websockets |
| Simultaneous Live View      | Up to 20 channels                                                                                                                                                 |
| API                         | Open Network Video Interface, ISAPI, SDK, ISUP                                                                                                                    |
| User/Host                   | Up to 32 users. 3 levels: Administrator, Operator and User                                                                                                        |
| Security                    | User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering         |
| Network Storage             | NAS (NPS, SMB/ CIFS), ANR                                                                                                                                         |
| Client                      | iVMS-4200, Hik-Connect                                                                                                                                            |
| Web Browser                 | IE10-11, Chrome 57+, Firefox 52+, Safari 12+                                                                                                                      |
| <b>Image</b>                |                                                                                                                                                                   |
| Image Settings              | Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser                                                 |
| Wide Dynamic Range (WDR)    | 120 dB                                                                                                                                                            |
| Defog                       | Digital defog                                                                                                                                                     |
| Image Stabilization         | No                                                                                                                                                                |
| Image Enhancement           | BLC, HLC, 3D DNR                                                                                                                                                  |
| Privacy Mask                | 24 programmable privacy masks                                                                                                                                     |
| Regional Focus              | Yes                                                                                                                                                               |
| Regional Exposure           | Yes                                                                                                                                                               |
| <b>Interface</b>            |                                                                                                                                                                   |
| Ethernet Interface          | 1 RJ45 10 M/100 M Ethernet Interface; PoE (802.3at, class4)                                                                                                       |
| On-board Storage            | Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB                                                                                               |
| <b>Event</b>                |                                                                                                                                                                   |
| Basic Event                 | Motion Detection, Video Tampering Detection, Exception Detection                                                                                                  |
| Smart Event                 | Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection         |
| <b>General</b>              |                                                                                                                                                                   |
| Power                       | 12 VDC, 2.0 A and PoE (802.3at), 42.5 to 57 VDC, 0.6 A, class4<br>Max. 18 W (IR light 6 W Max.)                                                                   |
| Dimension                   | Ø 166 mm × 289.6 mm (Ø 6.54" × 11.4")                                                                                                                             |
| Weight                      | Approx. 2.5 kg (5.51 lb)                                                                                                                                          |
| Material                    | ADC 12, PC+10% GF                                                                                                                                                 |
| Operating Condition         | -30 °C to 65 °C (-22 °F to 149 °F). Humidity 90% or less (non-condensing)                                                                                         |

| Approval    |                                                                                                                                                                                                                                    |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EMC         | FCC (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);<br>IC (ICES-003: Issue 7);<br>KC (KN 32: 2015, KN 35: 2015) |
| Safety      | UL (UL 62368-1)<br>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);<br>LOA (IEC/EN 60950-1)                                                                     |
| Environment | CE-RoHS (2011/65/EU);<br>WEEE (2012/19/EU);<br>Reach (Regulation (EC) No 1907/2006)                                                                                                                                                |
| Protection  | IP66 (IEC 60529-2013), 6000V Lightning Protection, Surge Protection and Voltage Transient Protection                                                                                                                               |

## ▪ Available Model

HWP-N4215IH-DE(G)

## ▪ Dimension



Unit: mm (inch)

▪ Accessory

▪ Optional

| DS-1671ZJ-SDM9                                                                      | DS-1661ZJ                                                                           | DS-1604ZJ-box                                                                       | DS-1604ZJ-corner                                                                    | DS-1604ZJ-pole                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|    |    |    |  |  |
| DS-1604ZJ                                                                           | DS-1662ZJ                                                                           | DS-1660ZJ                                                                           | DS-1604ZJ-BOX-CORNER                                                                | DS-1619ZJ                                                                           |
|    |    |    |  |  |
| DS-1604ZJ-BOX-POLE                                                                  | DS-1618ZJ                                                                           | DS-1663ZJ                                                                           |                                                                                     |                                                                                     |
|  |  |  |                                                                                     |                                                                                     |

Distributed by



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HiWatch Series

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