

**DS-2DE5432WG1-E(B)****4 MP 32X Powered by DarkFighter Acusense Network Speed Dome**

Hikvision DS-2DE5432WG1-E 2 MP 32 × Network Speed Dome adopts 1/2.8" progressive scan CMOS chip. With the 32 × optical zoom lens, the camera offers more details over expansive areas.

This series of cameras can be widely used for wide ranges of high-definition, such as rivers, roads, railways, airports, squares, parks, scenic spots, and venues, etc.

- HIK AI-ISP for excellent noise reduction effect
- High focus speed with self-learning focus technology keep the picture clear every single second
- High quality imaging with 4 MP resolution
- 1/2.8" Progressive Scan CMOS
- 32× optical zoom and 16× digital zoom provide close up views over expansive areas
- WDR, HLC, BLC, 3D DNR, defog, regional exposure, regional focus
- 36 VDC & 24VAC & PoE (802.3at)
- Water and dust resistant (IP66) and vandal resistant (IK10)
- Support link to hikvision network speakers and network microphones to play audio
- Improve playback efficiency and be compatible with the AcuSeek and AcuSearch technologies of NVR for combined use

## ▪ Specification

| Camera                |                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor          | 1/2.8" Progressive Scan CMOS                                                                                                                                                 |
| Max. Resolution       | 2560 × 1440                                                                                                                                                                  |
| Min. Illumination     | Color: 0.005 Lux @ (F1.6, AGC ON); B/W: 0.001 Lux @ (F1.6, AGC ON)                                                                                                           |
| Shutter Speed         | 1 s to 1/30,000 s                                                                                                                                                            |
| Day & Night           | IR cut filter                                                                                                                                                                |
| Zoom                  | 32x optional, 16x digital                                                                                                                                                    |
| Slow Shutter          | Yes                                                                                                                                                                          |
| Lens                  |                                                                                                                                                                              |
| Focal Length          | 4.8 mm to 153.6 mm                                                                                                                                                           |
| FOV                   | Horizontal field of view: 50.8° to 2.6° (wide-tele),<br>Vertical field of view: 29.4° to 1.5° (wide-tele),<br>Diagonal field of view: 57.4° to 3° (wide-tele)                |
| Focus                 | Auto, semi-auto, manual                                                                                                                                                      |
| Aperture              | Max. F1.6                                                                                                                                                                    |
| Zoom Speed            | Approx. 4.8 s                                                                                                                                                                |
| PTZ                   |                                                                                                                                                                              |
| Movement Range (Pan)  | 360°                                                                                                                                                                         |
| Movement Range (Tilt) | -5° to 90° (auto flip)                                                                                                                                                       |
| Pan Speed             | Pan speed: configurable from 0.1° to 250°/s; preset speed: 300°/s                                                                                                            |
| Tilt Speed            | Tilt speed: configurable from 0.1° to 150°/s, preset speed 200°/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                                                                                                                                                              |
| Park Action           | Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan                                                                              |
| 3D Positioning        | Yes                                                                                                                                                                          |
| 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, aux output                                        |
| Power-off Memory      | Yes                                                                                                                                                                          |
| Video                 |                                                                                                                                                                              |
| Main Stream           | 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)<br>60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)                                         |
| Sub-Stream            | 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)<br>60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)                                                                           |
| Third Stream          | 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)<br>60 Hz: 30 fps (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 16 Mbps                                                                                                                                                           |
| 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)    | 8 fixed regions for each stream                                                                                                                                                                                                                                                         |
| AI Encoding                 | Yes                                                                                                                                                                                                                                                                                     |
| <b>Audio</b>                |                                                                                                                                                                                                                                                                                         |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2/PCM                                                                                                                                                                                                                                                           |
| Audio Bit Rate              | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)                                                                                                                                                                                                                   |
| Audio Sampling Rate         | 8 kHz/16 kHz/32 kHz/48 kHz                                                                                                                                                                                                                                                              |
| Environment Noise Filtering | Yes                                                                                                                                                                                                                                                                                     |
| <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                                                                                                                                              |
| Simultaneous Live View      | Up to 20 channels                                                                                                                                                                                                                                                                       |
| API                         | Open Network Video Interface (Version 19.12, ProfileS, ProfileG, ProfileT), ISAPI, SDK, ISUP                                                                                                                                                                                            |
| User/Host                   | Up to 32 users; 3 user levels: administrator, operator, and user                                                                                                                                                                                                                        |
| Security                    | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address) |
| Network Storage             | NAS (NFS, SMB/CIFS), auto network replenishment (ANR)                                                                                                                                                                                                                                   |
| Client                      | iVMS-4200, HikCentral Pro, Hik-Connect                                                                                                                                                                                                                                                  |
| Web Browser                 | Chrome 80+, Firefox 80+, Safari 13+, Edge 89+                                                                                                                                                                                                                                           |
| <b>Image</b>                |                                                                                                                                                                                                                                                                                         |
| Image Parameters Switch     | Yes                                                                                                                                                                                                                                                                                     |
| Image Settings              | Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser                                                                                                                                                                       |
| Day/Night Switch            | Day, Night, Auto, Schedule                                                                                                                                                                                                                                                              |
| Wide Dynamic Range (WDR)    | 120 dB                                                                                                                                                                                                                                                                                  |
| SNR                         | > 52 dB                                                                                                                                                                                                                                                                                 |
| Defog                       | Digital Defog                                                                                                                                                                                                                                                                           |
| Image Enhancement           | BLC, HLC, 3D DNR                                                                                                                                                                                                                                                                        |
| Privacy Mask                | 24 programmable polygon privacy masks, mask color or mosaic configurable                                                                                                                                                                                                                |
| Regional Focus              | Yes                                                                                                                                                                                                                                                                                     |
| Regional Exposure           | Yes                                                                                                                                                                                                                                                                                     |
| VR View                     | 360° Real Scene Stitched Panoramic Image                                                                                                                                                                                                                                                |
| <b>Interface</b>            |                                                                                                                                                                                                                                                                                         |
| Ethernet Interface          | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                                                                                                                             |
| On-board Storage            | Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB                                                                                                                                                                                                                 |
| Audio                       | 1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K $\Omega$ $\pm$ 10%;<br>1 output (line out), line level, output impedance: 600 $\Omega$                                                                                                                         |
| Alarm                       | 2 inputs, 1 output                                                                                                                                                                                                                                                                      |
| Reset                       | Yes                                                                                                                                                                                                                                                                                     |
| <b>Event</b>                |                                                                                                                                                                                                                                                                                         |
| Basic Event                 | Motion detection, video tampering alarm, exception, alarm input and output                                                                                                                                                                                                              |

|                               |                                                                                                                                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Smart Event                   | line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection |
| Linkage                       | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan)          |
| <b>Deep Learning Function</b> |                                                                                                                                                                                      |
| Face Capture                  | Yes                                                                                                                                                                                  |
| <b>Linkage and Tracking</b>   |                                                                                                                                                                                      |
| Smart Tracking                | Manual tracking, auto-tracking                                                                                                                                                       |
| <b>General</b>                |                                                                                                                                                                                      |
| Power                         | 36 VDC, Max.20 W<br>24 VAC, Max.20 W<br>PoE (802.3at)                                                                                                                                |
| Dimension                     | Ø 220 mm × 280 mm (Ø 8.66" × 11.02")                                                                                                                                                 |
| Weight                        | Approx. 3.0 kg (6.61 lb.)                                                                                                                                                            |
| Material                      | Metal                                                                                                                                                                                |
| Operating Condition           | -30 °C to 65 °C (-22 °F to 149 °F). Humidity 90% or less (non-condensing)                                                                                                            |
| <b>Approval</b>               |                                                                                                                                                                                      |
| EMC                           | CE-EMC (EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021+A2:2024, EN 61000-3-3:2013+A1:2019+A2:2021), RCM (AS/NZS CISPR 32: 2015)                       |
| Safety                        | UL (UL 62368-1); CB (IEC 62368-1:2014+A11); CE-LVD (EN 62368-1:2014/A11:2017); BIS (IS 13252(Part 1):2010/IEC 60950-1: 2005); LOA (IEC/EN 60950-1)                                   |
| Environment                   | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)                                                                                                        |
| Protection                    | IP66 (IEC 60529-2013), IK10 (IEC 62262:2002), TVS 6000V lightning protection, surge protection and voltage transient protection                                                      |

## ▪ DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view.

It is calculated based on the camera sensor specification and the criteria given by EN 62676-4:2015.

| DORI            | Detect                | Observe              | Recognize           | Identify            |
|-----------------|-----------------------|----------------------|---------------------|---------------------|
| Definition      | 25 px/m               | 63 px/m              | 125 px/m            | 250 px/m            |
| Distance (Tele) | 3075.1 m (10088.8 ft) | 1220.3 m (4003.5 ft) | 615.0 m (2017.8 ft) | 307.5 m (1008.9 ft) |
| Distance (Wide) | 96.1 m (315.3 ft)     | 38.1 m (125.1 ft)    | 19.2 m (63.1 ft)    | 9.6 m (31.5 ft)     |

## ▪ Typical Application

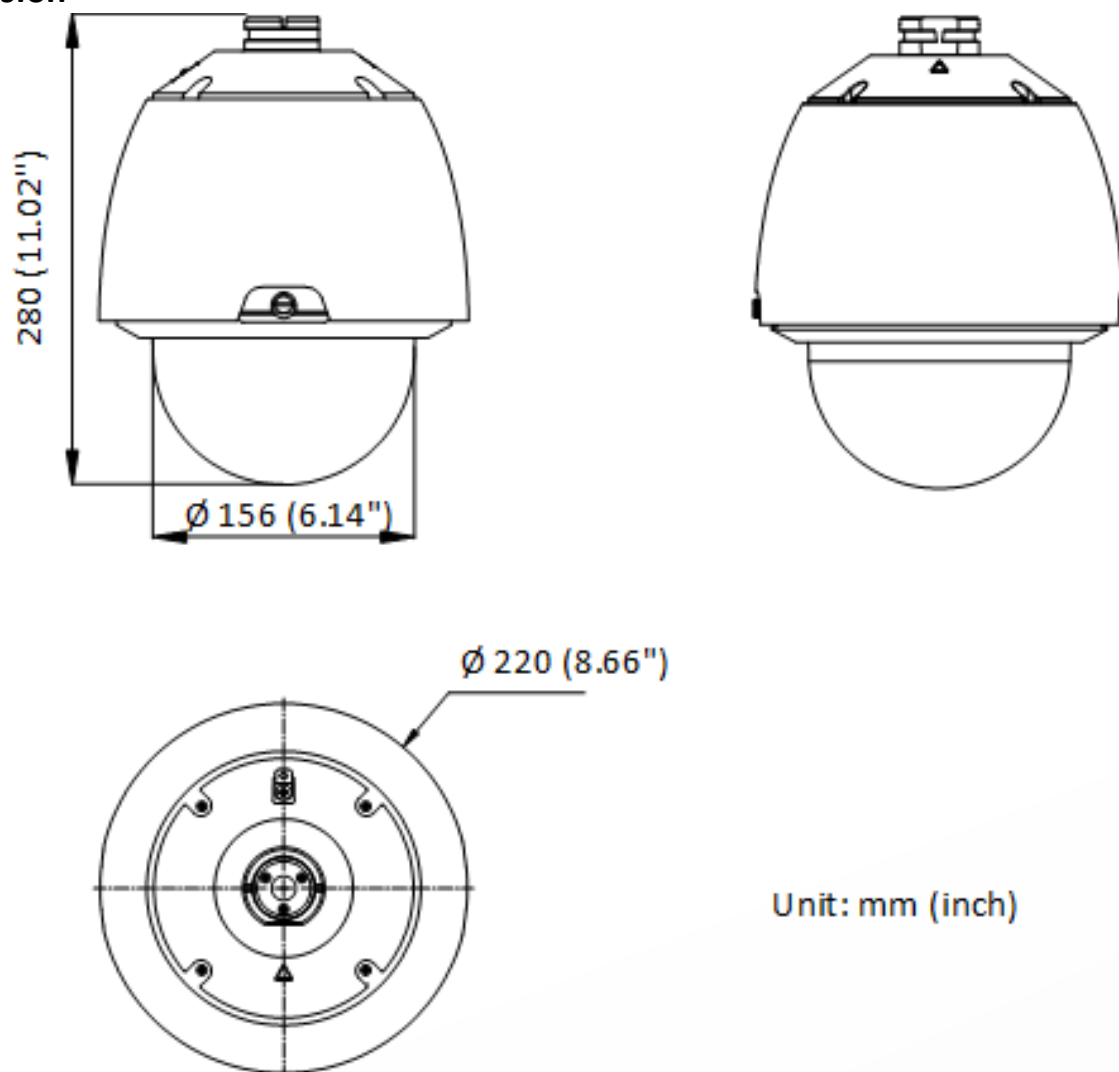
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

DS-2DE5432WG1-E 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.                                                                         |

## ▪ Dimension



## ▪ Accessory

### ▪ Optional

DS-1602ZJ

DS-1684ZJ

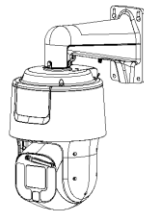
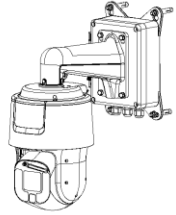
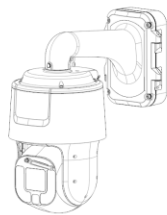
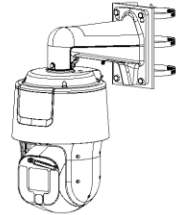
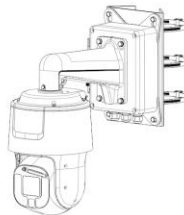
DS-1661ZJ

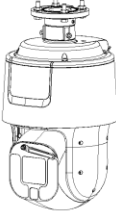
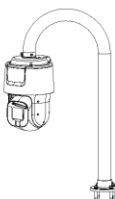
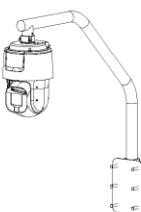
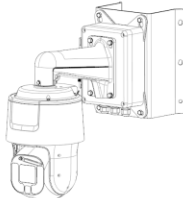
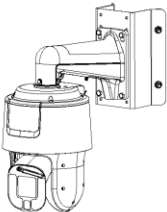
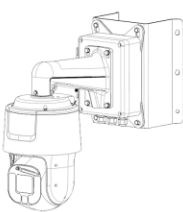
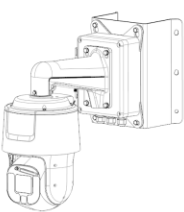
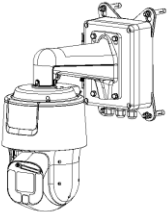
DS-1673ZJ

DS-1604ZJ-pole

|                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |    |    |
| DS-1604ZJ-box                                                                       | DS-1619ZJ                                                                           | DS-4650ZJ-WC                                                                        | DS-1604ZJ                                                                             | DS-1663ZJ                                                                             |
|    |    |    |    |    |
| DS-4660ZJ-WC                                                                        | DS-1604ZJ-BOX-POLE                                                                  | DS-1660ZJ                                                                           | DS-1276ZJ                                                                             | DS-1667ZJ                                                                             |
|  |  |  |    |  |
| DS-1604ZJ-BOX-CORNER                                                                | DS-1604ZJ-corner                                                                    | DS-1662ZJ                                                                           | DS-1674ZJ                                                                             |                                                                                       |
|  |  |  |  |                                                                                       |

## ■ Installation Methods

| Wall Mounting<br>DS-1602ZJ                                                          | Wall Mounting<br>DS-1604ZJ-box                                                      | Wall Mounting<br>DS-1604ZJ                                                          | Vertical Pole<br>Mounting<br>DS-1684ZJ+DS-1602ZJ                                     | Vertical Pole<br>Mounting<br>DS-1604ZJ-pole                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Vertical Pole Mounting</b><br><b>DS-4650ZJ-WC+DS-1674ZJ+DS-1602ZJ</b>            | <b>Vertical Pole Mounting</b><br><b>DS-1604ZJ-BOX-POLE</b>                          | <b>Pendant Mounting</b><br><b>DS-1661ZJ</b>                                         | <b>Pendant Mounting</b><br><b>DS-1663ZJ</b>                                          | <b>Pendant Mounting</b><br><b>DS-1667ZJ</b>                                          |
|    |    |    |   |   |
| <b>Pendant Mounting</b><br><b>DS-1662ZJ</b>                                         | <b>Horizontal Pole Mounting</b><br><b>DS-1673ZJ+DS-1661ZJ</b>                       | <b>Gooseneck Mounting</b><br><b>DS-1619ZJ</b>                                       | <b>Gooseneck Mounting</b><br><b>DS-1660ZJ</b>                                        | <b>Corner Mounting</b><br><b>DS-4660ZJ-WC+DS-1602ZJ+DS-1674ZJ</b>                    |
|   |   |    |   |  |
| <b>Corner Mounting</b><br><b>DS-1276ZJ+DS-1602ZJ</b>                                | <b>Corner Mounting</b><br><b>DS-1604ZJ-BOX-CORNER</b>                               | <b>Corner Mounting</b><br><b>DS-1604ZJ-corner</b>                                   | <b>Junction Box</b><br><b>DS-1674ZJ+DS-1602ZJ</b>                                    |                                                                                      |
|  |  |  |  |                                                                                      |

# See Far, Go Further



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