

## DS-2DE4225IW-DE(S6) 2 MP 25× Network IR Speed Dome



Hikvision DS-2DE4225IW-DE(S6) 2MP 25× Network IR Speed Dome adopts 1/2.8" progressive scan CMOS chip. With the 25× 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 the rivers, roads, railways, airports, squares, parks, scenic spots, and venues, etc.

- 1/2.8" progressive scan CMOS
- High quality imaging with 2 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- 25× optical zoom and 16× digital zoom provide close up views over expansive areas
- WDR, HLC, BLC, 3D DNR, defog, regional exposure, regional focus
- Expansive night view with up to 100 m IR distance
- Support H.265+/H.265 video compression



## ▪ 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) | 1600.0 m (5249.3 ft) | 634.9 m (2083.1 ft) | 320.0 m (1049.9 ft) | 160.0 m (524.9 ft) |

## ▪ Specification

| Camera Module           |   |
|-------------------------|---|
| Image Sensor            | 1/2.8" progressive scan CMOS  |
| Min. Illumination       | Color: 0.005Lux @ (F1.6, AGC ON), B/W: 0.001Lux @ (F1.6, AGC ON), 0 Lux with IR   |
| Shutter Speed           | 1 s to 1/30,000 s   |
| Slow Shutter            | yes   |
| Focus                   | semi-auto, manual, auto   |
| Day & Night             | ICR   |
| Day/Night Switch        | day, night, auto, scheduled-switch  |
| BLC                     | yes   |
| WDR                     | 120 dB WDR  |
| HLC                     | yes   |
| 3D DNR                  | yes   |
| Defog                   | yes   |
| Regional Exposure       | yes   |
| Regional Focus          | yes   |
| Image Settings          | saturation, brightness, contrast, sharpness   |
| Image Parameters Switch | yes   |
| White Balance           | auto, ATW, sodium lamp, fluorescent lamp, indoor, outdoor, MWB, Locked WB   |
| Digital Zoom            | 16×   |
| Optical Zoom            | 25×   |
| Privacy Mask            | up to 24 masks, mask color configurable   |
| SNR                     | > 52dB  |
| Lens                    |   |
| Focal Length            | 4.8 mm to 120 mm, 25× Optical   |
| Zoom Speed              | approx. 3.6 s   |
| FOV                     | Horizontal field of view: 57.6° to 2.5° (wide-tele),<br>Vertical field of view: 34.4° to 1.4° (wide-tele),<br>Diagonal field of view: 64.5° to 2.9° (wide-tele) |
| Aperture                | F1.6  |
| PTZ                     |   |
| Movement Range (Pan)    | 360°  |
| Movement Range (Tilt)   | -15° to 90° (auto flip)   |
| Pan Speed               | pan speed: configurable from 0.1° to 80°/s; preset speed: 80°/s   |

|                             |  |
|-----------------------------|--|
| Tilt Speed                  | tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s  |
| Proportional Zoom           | yes  |
| Presets                     | 300  |
| Patrol Scan                 | 8 patrols, up to 32 presets for each patrol  |
| Pattern Scan                | 4 pattern scans  |
| Power-off Memory            | yes  |
| Park Action                 | preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan  |
| 3D Positioning              | yes  |
| PTZ Status Display          | yes  |
| Preset Freezing             | yes  |
| Scheduled Task              | preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output  |
| <b>Video</b>                |  |
| Max. Resolution             | 1920 × 1080  |
| Stream Type                 | main stream,sub-stream,third stream  |
| Main Stream                 | 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>60 Hz: 30 fps (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           | 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   |
| H.264+                      | yes  |
| H.265+                      | yes  |
| SVC                         | yes  |
| ROI                         | fixed region, main stream, sub-stream and third stream respectively support eight fixed areas  |
| <b>Audio</b>                |  |
| Audio Compression           | G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM   |
| Audio Bit rate              | MP2L2: 32 kbps, 40 kbps, 48 kbps, 56 kbps, 64 kbps, 80 kbps, 96 kbps, 112 kbps, 128 kbps, 144 kbps, 160 kbps, 192 kbps   |
| Audio Sampling Rate         | MP2L2: 16 kHz, 32 kHz, 48 kHz,PCM: 8 kHz, 16 kHz, 32 kHz, 48 kHz   |
| Environment Noise Filtering | yes  |
| <b>Smart Features</b>       |  |
| Basic Event                 | motion detection, alarm input, alarm output, video tampering alarm, exception  |
| Smart Event                 | face detection, intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection |
| Smart Record                | ANR, Dual-VCA  |
| Alarm Linkage               | memory card video recording, alarm output, sending email, notify surveillance center, upload to FTP, NAS video recording   |

| Network                       |  |
|-------------------------------|--|
| Network Storage               | NAS (NFS, SMB/ CIFS)   |
| 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, ISUP |
| API                           | Open-ended API, ISAPI, Hikvision SDK, Third-party management platform, Hik-Connect, ISUP, Open Network Video Interface, CGI                      |
| Simultaneous Live View        | 20   |
| User/Host                     | 32   |
| Security Measures             | Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter                       |
| Client                        | iVMS-4200, Hik-Connect   |
| Web Browser                   | IE10-11, Chrome 57+, Firefox 52+, Safari 12+   |
| Interface                     |  |
| Communication Interface       | RJ45, self-adaptive 10M/100M Ethernet port   |
| On-board Storage              | support microSD/microSDHC/microSDXC cards, up to 256 GB  |
| Alarm Input                   | 1 alarm input  |
| Alarm Output                  | 1 alarm output   |
| Audio Input                   | 1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%  |
| Audio Output                  | 1 audio output, line level, impedance: 600 Ω   |
| Supplement Light              |  |
| IR Distance                   | 100 m  |
| General                       |  |
| Power                         | 12 VDC, PoE (802.3at)  |
| Power Consumption and Current | Max. 18 W, including max. 1.6 W for heater and 9 W for IR  |
| Operating Conditions          | -30°C to 65°C (-22°F to 149°F), humidity lower than 90%RH  |
| Reset                         | yes  |
| Demist                        | yes  |
| Material                      | ADC12  |
| Dimensions                    | ∅ 164.5 mm × 290 mm (∅ 6.48" × 11.42")   |
| Weight                        | Approx. 2 kg (4.41 lb.)  |
| Approval                      |  |
| Protection                    | IP66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection   |

### ▪ Available Model

DS-2DE4225IW-DE (S6)

### ▪ Typical Application

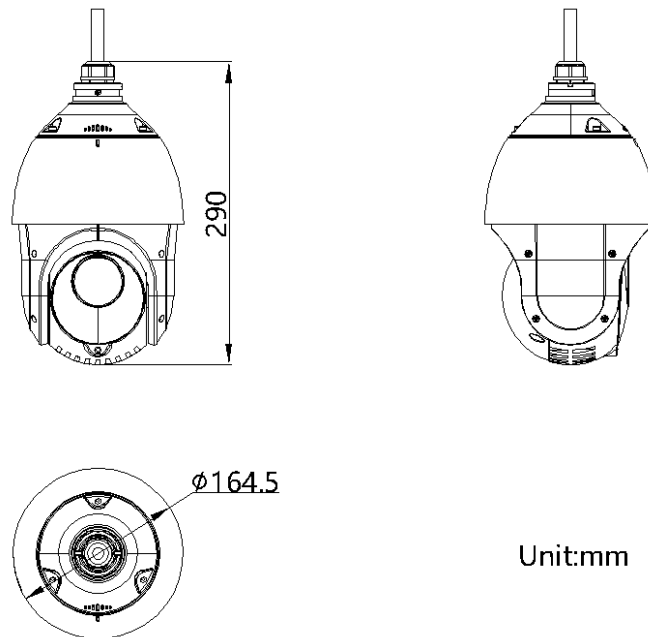
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

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.  |

▪ **Dimension**






















Unit:mm

▪ **Accessory**

▪ **Included**

| DS-1618ZJ | ASW0081-122000<br>2W |
|-----------|----------------------|
|           |                      |

▪ **Optional**

|   |   |   |   |   |
|---|---|---|---|---|
| <b>DS-1673ZJ</b>  | <b>DS-1602ZJ</b>  | <b>DS-1604ZJ-corner</b>   | <b>DS-1660ZJ</b>  | <b>DS-1604ZJ-pole</b>   |
|    |    |    |    |    |
| <b>DS-1100KI(B)</b>   | <b>DS-1663ZJ</b>  | <b>DS-1604ZJ-BOX-CORNER</b>   |   | <b>DS-1661ZJ</b>  |
|    |    |    |    |    |
| <b>DS-1005KI</b>  | <b>DS-1681ZJ</b>  | <b>DS-1662ZJ</b>  | <b>DS-1671ZJ-SDM9</b>   | <b>DS-1682ZJ</b>  |
|  |  |  |  |  |
| <b>DS-1667ZJ</b>  | <b>DS-1604ZJ</b>  | <b>DS-1619ZJ</b>  | <b>DS-1604ZJ-BOX-POLE</b>   |   |
|  |  |  |  |   |

\*DS-1673ZJ should be used with DS-1661ZJ or DS-1602ZJ.

Distributed by

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