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




Hikvision DS-2DE4225IW-DE 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.

### Key Features

- 1/2.8" progressive scan CMOS
- Up to 1920 × 1080@30fps resolution
- Min. illumination:
  Color: 0.005 Lux @(F1.6, AGC ON)
  B/W: 0.001 Lux @(F1.6, AGC ON)
  0 Lux with IR
- 25× optical zoom, 16× digital zoom
- WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus
- Up to 100 m IR distance
- 12 VDC & PoE+ (802.3 at, class4)
- Support H.265+/H.265 video compression

www.hikvision.com

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## Specification

| | |
|---|---|
| **Camera Module** | |
| Image Sensor | 1/2.8" progressive scan CMOS |
| Min. Illumination | Color: 0.005 Lux @(F1.6, AGC ON)<br>B/W: 0.001Lux @(F1.6, AGC ON)<br>0 Lux with IR |
| White Balance | Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp |
| Gain | Auto/Manual |
| Shutter Time | 50Hz: 1/1 s to 1/30,000 s<br>60Hz: 1/1 s to 1/30,000 s |
| Day & Night | IR Cut Filter |
| Digital Zoom | 16× |
| Privacy Mask | 24 programmable privacy masks |
| Focus Mode | Auto/Semi-automatic/Manual |
| WDR | 120 dB WDR |
| **Lens** | |
| Focal Length | 4.8 mm to 120 mm, 25× optical zoom |
| Zoom Speed | Approx. 3.6 s (optical lens, wide-tele) |
| Field of View | 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) |
| Working Distance | 10 mm to 1500 mm (wide-tele) |
| Aperture Range | F1.6 to F3.5 |
| **IR** | |
| IR Distance | 100 m |
| Smart IR | Support |
| **PTZ** | |
| Movement Range (Pan) | 360° endless |
| Pan Speed | Configurable, from 0.1°/s to 80°/s,<br>Preset speed: 80°/s |
| Movement Range (Tilt) | From -15° to 90° (auto-flip) |
| Tilt Speed | Configurable, from 0.1°/s to 80°/s<br>Preset Speed: 80°/s |
| Proportional Zoom | Support |
| Presets | 300 |
| Patrol Scan | 8 patrols, up to 32 presets for each patrol |
| Pattern Scan | 4 pattern scans, record time over 10 minutes for each scan |
| Power-off Memory | Support |
| Park Action | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan |
| 3D Positioning | Support |
| PTZ Position Display | Support |
| Preset Freezing | Support |
| Scheduled Task | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output |
| **Compression Standard** | |
| 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 |
| H.264 Type | Baseline Profile/Main Profile/High Profile |

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| | |
|---|---|
| H.264+ | Support |
| H.265 Type | Baseline Profile/Main Profile/High Profile |
| H.265+ | Support |
| Video Bitrate | 32 Kbps to 16384 Kbps |
| Audio Compression | G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM |
| Audio Bitrate | G.711alaw/G.711ulaw: 64 Kbps<br>G.722.1/G.726: 16 Kbps<br>MP212/PCM: 32 Kbps/64 Kbps/128 Kbps |
| SVC | Support |
| **Smart Features** | |
| Basic Event | Motion Detection, Video Tampering Detection, Exception |
| Smart Event | Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection |
| Smart Record | ANR (Automatic Network Replenishment), Dual-VCA |
| ROI | Main stream, sub-stream, and third stream respectively support four fixed areas. |
| **Image** | |
| Max. Resolution | 1920 × 1080 |
| Main Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>50fps (1280 × 960, 1280 × 720)<br>60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>60fps (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) |
| Image Enhancement | HLC/BLC/3D DNR/Defog/EIS/Regional Exposure/Regional Focus |
| **Network** | |
| Network Storage | Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIPS), ANR |
| 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 |
| API | Open-ended, support ONVIF, ISAPI, and CGI, support HIKVISION SDK and Third-Party Management Platform |
| Simultaneous Live View | Up to 20 channels |
| User/Host | Up to 32 users<br>3 levels: Administrator, Operator and User |
| Security Measures | User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering |
| Client | iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect |
| Web Browser | IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51 |
| **Interface** | |
| Audio Interface | 1-ch audio input and 1-ch audio output |
| Network Interface | 1 RJ45 10 M/100 M Ethernet, PoE+ (802.3 at, class4) |
| **General** | |
| Power | 12 VDC and PoE+ (802.3 at, class4)<br>Max.: 18 W (Max. 7W for IR) |
| Working Temperature | -30°C to 65°C (-22°F to 149°F) |
| Working Humidity | ≤ 90% |
| Protection Level | IP66 Standard, TVS 4000V Lightning Protection, Surge Protection and Voltage Transient Protection |
| Material | ADC 12, PC, PC+10% GF |
| Dimensions | Φ 164.5 mm × 290 mm (Φ 6.48" × 11.42") |
| Weight | Approx. 2 kg (4.41 lb) |

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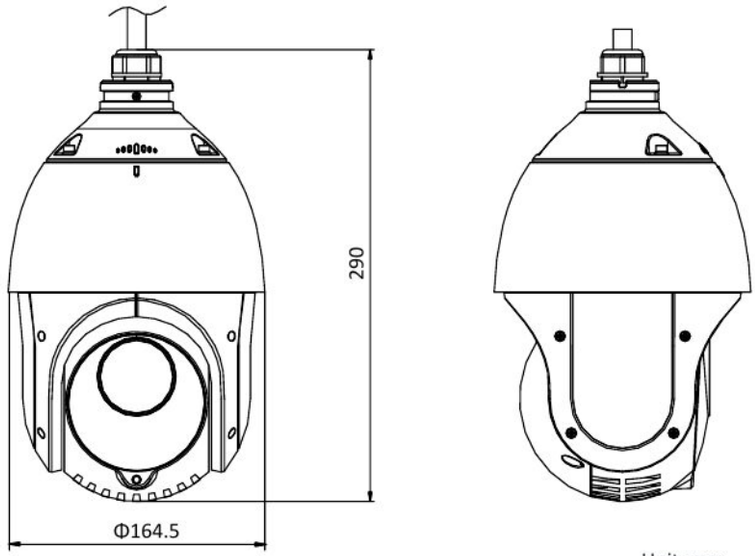
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## Available Model

DS-2DE4225IW-DE, 12 VDC & PoE+ (802.3 at, class4)

## Dimensions




Unit: mm

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## Accessories

| | | |
|---|---|---|
|  | DS-1618ZJ | Wall Mounting Bracket |
|  | DS-1602ZJ | Wall Mounting Bracket |
|  | DS-1602ZJ-corner | Corner Mounting Bracket |
|  | DS-1602ZJ-pole | Vertical Pole Mounting Bracket |
|  | DS-1602ZJ-box | Wall Mounting Bracket with Junction Box |
|  | DS-1671ZJ-SDM9 | In-ceiling Mounting Bracket |
|  | DS-1663ZJ | Ceiling Mounting Bracket |
|  | DS-1661ZJ | Pendant Mounting Bracket |
|  | DS-1662ZJ | Pendant Mounting Bracket |
|  | DS-1619ZJ | Gooseneck Mounting Bracket |
|  | DS-1100KI | Network Keyboard |
|  | DS-1005KI | USB Joy-stick |


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