

## DS-2SE7C425MWG-EB/14 4 MP 25× IR Network Speed Dome

ColorVu

Powered by

**DarkFighter**



Hikvision DS-2SE7C425MWG-EB/14 4 MP 25 × IR Network 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 rivers, roads, railways, airports, squares, parks, scenic spots, and venues, etc.

- High quality imaging with 4 MP resolution
- Captures a large area and great details at the same time
- Excellent low-light performance with powered-by-DarkFighter technology
- Focuses on human and vehicle targets classification based on deep learning
- Secures an expansive area with 25 × optical zoom and 16 × digital zoom
- Supports WDR, HLC, BLC, 3D DNR, defog, regional exposure, regional focus
- Expansive night view with up to 200 m IR distance
- Supports 36 VDC & Hi-PoE
- Active strobe light and audio alarm to warn intruders off

## ▪ Specification

| Camera                 |                                                                                                                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor           | [Bullet channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/2.8" Progressive Scan CMOS                                                                                                                                                      |
| Max. Resolution        | [Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440                                                                                                                                                                                        |
| Min. Illumination      | [Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light;<br>[PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR                                                                           |
| Shutter Speed          | 1 s to 1/30,000 s                                                                                                                                                                                                                              |
| Day & Night            | ICR                                                                                                                                                                                                                                            |
| Zoom                   | [PTZ channel] 25 × optical, 16 × digital                                                                                                                                                                                                       |
| Slow Shutter           | yes                                                                                                                                                                                                                                            |
| Lens                   |                                                                                                                                                                                                                                                |
| Focal Length           | [Bullet channel]: 4 mm; [PTZ channel]: 4.8 to 120 mm, 25 × optical                                                                                                                                                                             |
| FOV                    | [Bullet channel] horizontal field of view: 88.7°, vertical field of view: 44.7°, diagonal field of view: 105°, [PTZ channel] horizontal field of view: 55° to 2.4°, vertical field of view: 33° to 1.4°, diagonal field of view: 61.5° to 2.8° |
| Focus                  | Auto, semi-auto, manual                                                                                                                                                                                                                        |
| Aperture               | [Bullet channel] F1.0, [PTZ channel] F1.5 max.                                                                                                                                                                                                 |
| Zoom Speed             | Approx. 3.6 s                                                                                                                                                                                                                                  |
| Illuminator            |                                                                                                                                                                                                                                                |
| Supplement Light Type  | [Bullet channel] White Light, [PTZ channel] IR                                                                                                                                                                                                 |
| Supplement Light Range | [Bullet channel] White light: up to 30 m, [PTZ channel] IR: up to 200 m                                                                                                                                                                        |
| Smart Supplement Light | Yes                                                                                                                                                                                                                                            |
| PTZ                    |                                                                                                                                                                                                                                                |
| Movement Range (Pan)   | 360° endless                                                                                                                                                                                                                                   |
| Movement Range (Tilt)  | -15° to 90° (auto flip)                                                                                                                                                                                                                        |
| Pan Speed              | pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s                                                                                                                                                                              |
| Tilt Speed             | tilt speed: configurable from 0.1° to 120°/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                 | [Bullet channel]:<br>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)<br>[PTZ channel]:<br>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                  | [Bullet channel]:<br>50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)<br>60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)<br>[PTZ channel]:<br>50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)<br>60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)                                                                                                                                                     |
| Third Stream                | [Bullet channel]:<br>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)<br>[PTZ channel]:<br>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 16384 kbps                                                                                                                                                                                                                                                                                                                                                                               |
| H.264 Type                  | Baseline profile, Main profile, High profile                                                                                                                                                                                                                                                                                                                                                        |
| H.265 Type                  | Main profile                                                                                                                                                                                                                                                                                                                                                                                        |
| Scalable Video Coding (SVC) | yes                                                                                                                                                                                                                                                                                                                                                                                                 |
| Region of Interest (ROI)    | 8 fixed regions for each stream                                                                                                                                                                                                                                                                                                                                                                     |
| Audio                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Audio Compression           | G.711, G.722.1, G.726, MP2L2, PCM, MP3, AAC-LC                                                                                                                                                                                                                                                                                                                                                      |
| Audio Bit Rate              | 64 Kbps (G.711), 16 Kbps (G.722.1), 16 Kbps (G.726), 32 to 192 Kbps (MP2L2), 16 to 64 Kbps (AAC-LC), 8 to 320 Kbps (MP3)                                                                                                                                                                                                                                                                            |
| Audio Sampling Rate         | MP2L2: 16 kHz, 32 kHz, 48 kHz, AAC-LC: 16 kHz, 32 kHz, 48 kHz, PCM: 8 kHz, 16 kHz, 32 kHz, 48 kHz, MP3: 8 kHz, 16 kHz, 32 kHz, 48 kHz                                                                                                                                                                                                                                                               |
| Environment Noise Filtering | yes                                                                                                                                                                                                                                                                                                                                                                                                 |
| Network                     |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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      | 20                                                                                                                                                                                                                                                                                                                                                                                                  |
| API                         | ONVIF (Profile S, Profile G), ISAPI, SDK, ISUP, Open-ended API                                                                                                                                                                                                                                                                                                                                      |
| User/Host                   | 32                                                                                                                                                                                                                                                                                                                                                                                                  |
| Security                    | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter                                                                                                                                                                                                                                                       |
| Network Storage             | NAS (NFS, SMB/CIFS), auto network replenishment (ANR)                                                                                                                                                                                                                                                                                                                                               |
| Client                      | iVMS-4200, HikCentral Pro, Hik-Connect                                                                                                                                                                                                                                                                                                                                                              |
| Web Browser                 | IE 11, Chrome 80+, Firefox 80+, Safari 13+, Edge 89+                                                                                                                                                                                                                                                                                                                                                |

| Image                    |                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Parameters Switch  | Yes                                                                                                                                                                                                                                                                                                                                                                                                      |
| Image Settings           | Saturation, brightness, contrast, sharpness                                                                                                                                                                                                                                                                                                                                                              |
| Day/Night Switch         | day, night, auto, scheduled-switch                                                                                                                                                                                                                                                                                                                                                                       |
| Wide Dynamic Range (WDR) | 120 dB WDR                                                                                                                                                                                                                                                                                                                                                                                               |
| SNR                      | > 52dB                                                                                                                                                                                                                                                                                                                                                                                                   |
| Defog                    | yes                                                                                                                                                                                                                                                                                                                                                                                                      |
| Image Stabilization      | EIS (Built-in gyroscope to improve EIS performance)                                                                                                                                                                                                                                                                                                                                                      |
| Image Enhancement        | BLC, HLC, 3D DNR                                                                                                                                                                                                                                                                                                                                                                                         |
| Privacy Mask             | [Bullet channel] 8 programmable polygon privacy masks, [PTZ channel] 24 programmable polygon privacy masks; mask color or mosaic configurable                                                                                                                                                                                                                                                            |
| Regional Focus           | yes                                                                                                                                                                                                                                                                                                                                                                                                      |
| Regional Exposure        | yes                                                                                                                                                                                                                                                                                                                                                                                                      |
| Interface                |                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ethernet Interface       | RJ45, self-adaptive 10M/100M Ethernet port                                                                                                                                                                                                                                                                                                                                                               |
| On-board Storage         | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB                                                                                                                                                                                                                                                                                                                        |
| Audio                    | 1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%, 1 audio output, line level, impedance: 600 Ω                                                                                                                                                                                                                                                                                                                  |
| Alarm                    | 2 input(s), 1 output(s)                                                                                                                                                                                                                                                                                                                                                                                  |
| Reset                    | yes                                                                                                                                                                                                                                                                                                                                                                                                      |
| Event                    |                                                                                                                                                                                                                                                                                                                                                                                                          |
| Basic Event              | [PTZ channel] motion detection, video tampering alarm, [PTZ channel & bullet channel] alarm input and output, exception                                                                                                                                                                                                                                                                                  |
| Smart Event              | [PTZ channel & bullet channel] audio exception detection, [PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection, [Bullet channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection                                                                                                            |
| Linkage                  | [Bullet channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, audible warning, white light flashing, [PTZ channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, audible warning, white light flashing, and PTZ actions (such as preset, patrol scan, pattern scan) |
| Smart Tracking           | [PTZ channel] yes                                                                                                                                                                                                                                                                                                                                                                                        |
| Smart Linkage            | Manual tracking, auto tracking, tracking takeover, track in turn                                                                                                                                                                                                                                                                                                                                         |
| Deep Learning Function   |                                                                                                                                                                                                                                                                                                                                                                                                          |
| Face Capture             | [Bullet channel] no, [PTZ channel] yes, Supports detecting, tracking, capturing, grading, selecting of face in motion, and outputs the best face picture                                                                                                                                                                                                                                                 |
| General                  |                                                                                                                                                                                                                                                                                                                                                                                                          |
| Power                    | 36 VDC ± 25%, max. 32 W, Hi-PoE                                                                                                                                                                                                                                                                                                                                                                          |
| Dimension                | 222.3 mm × 252.6 mm × 407.5 mm (8.75" × 9.94" × 16.04")                                                                                                                                                                                                                                                                                                                                                  |
| Weight                   | Approx. 6 kg (13.23 lb.)                                                                                                                                                                                                                                                                                                                                                                                 |
| Material                 | ADC12                                                                                                                                                                                                                                                                                                                                                                                                    |
| Operating Condition      | -30 °C to 65 °C (26.6 °F to 149 °F). Humidity 90% or less (non-condensing)                                                                                                                                                                                                                                                                                                                               |
| General Function         | mirror, password protection, watermark, IP address filter                                                                                                                                                                                                                                                                                                                                                |

|                 |                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------|
| Demist          | Demist by heating the glass                                                                                                  |
| <b>Approval</b> |                                                                                                                              |
| Protection      | IP66 Standard, IK10 (excluding glass window), 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection |

## ▪ DORI

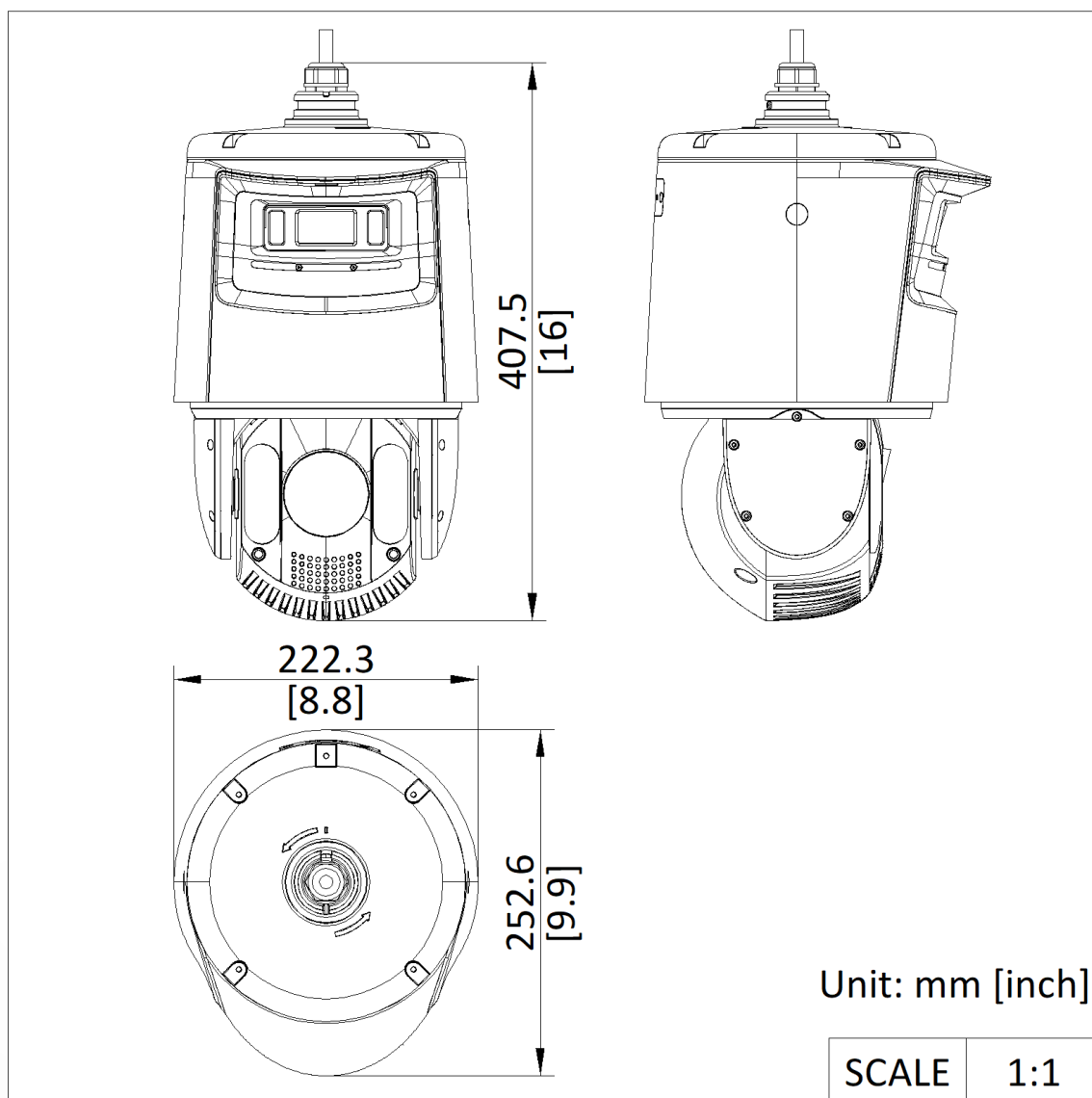
The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

| DORI            | Detect  | Observe | Recognize | Identify |
|-----------------|---------|---------|-----------|----------|
| Definition      | 25 px/m | 63 px/m | 125 px/m  | 250 px/m |
| Distance (Tele) | 2200.0m | 873.0m  | 440.0m    | 220.0m   |

## ▪ Available Model

DS-2SE7C425MWG-EB/14(F1)

## ▪ Dimension

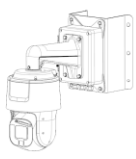
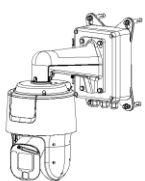
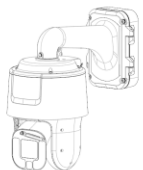
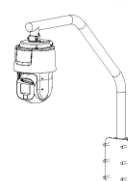


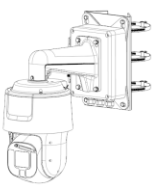
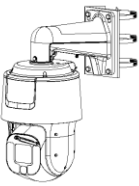
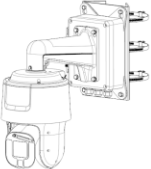
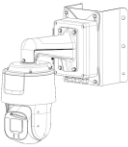
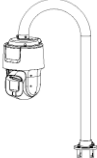
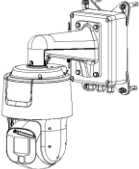
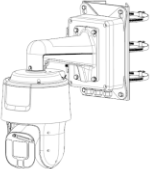
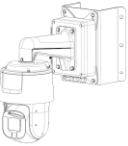
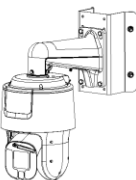
## ▪ Accessory

▪ **Included**



▪ **Optional**

| DS-1604ZJ-BOX-CORNER<br>Wall mount                                                  | DS-1604ZJ-box<br>Wall mount                                                         | DS-1604ZJ<br>Wall mount                                                             | DS-1660ZJ<br>Wall mount                                                               | DS-1661ZJ<br>Pendant Mount                                                            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
|  |  |  |   |  |
| DS-1662ZJ<br>Pendant Mount                                                          | DS-1667ZJ<br>Pendant Mount                                                          | DS-1673ZJ<br>Horizontal pole<br>mount                                               | DS-1604ZJ-BOX-POLE<br>Vertical pole mount                                             | DS-1684ZJ<br>Vertical pole mount                                                      |
|  |  |  |  |  |

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    |    |    |    |   |
| <b>DS-1604ZJ-pole</b><br><b>Vertical pole mount</b>                                 | <b>DS-1663ZJ</b><br><b>In-ceiling mount</b>                                         | <b>DS-1604ZJ-corner</b><br><b>Corner mount</b>                                      | <b>DS-1619ZJ</b><br><b>Others</b>                                                    | <b>DS-1674ZJ</b><br><b>Junction box</b>                                              |
|    |    |    |   |   |
|   |   |   |  |  |
| <b>DS-4650ZJ-WC</b><br><b>Vertical pole mount</b>                                   | <b>DS-4660ZJ-WC</b><br><b>Corner mount</b>                                          | <b>DS-1276ZJ</b><br><b>Corner mount</b>                                             |                                                                                      |                                                                                      |
|  |  |  |                                                                                      |                                                                                      |
|  |  |  |                                                                                      |                                                                                      |

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