

DS-2DE7425IW-AE (B) 4 MP 25 × Network IR Speed Dome



Hikvision DS-2DE7425IW-AE 4 MP 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 2560 × 1440@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 150 m IR distance
- 24 VAC & Hi-PoE
- Support H.265+/H.265 video compression



Specification

| Camera Module | |
|-----------------------|--|
| Image Sensor | 1/2.8" progressive scan CMOS |
| Min. Illumination | Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001Lux @(F1.6, AGC ON) 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 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 (not supported by full frame rate) |
| 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: 55° to 2.4° (Wide-Tele) Vertical field of view: 33° to 1.4° (Wide-Tele) Diagonal field of view: 61.5 to 2.8° (Wide-Tele) |
| Working Distance | 100 mm to 1500 mm (wide-tele) |
| Aperture Range | F1.6 to F3.5 |
| IR | |
| IR Distance | 150 m |
| Smart IR | Yes |
| PTZ | |
| Movement Range (Pan) | 360° endless |
| Pan Speed | Configurable, from 0.1°/s to 160°/s, Preset speed: 240°/s |
| Movement Range (Tilt) | From -15° to 90° (auto-flip) |
| Tilt Speed | Configurable, from 0.1°/s to 120°/s Preset Speed: 200°/s |
| Proportional Zoom | Yes |
| 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 | Yes |
| Park Action | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan |
| 3D Positioning | Yes |
| PTZ Position 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 |
| Compression Standard | |
| Video Compression | Main Stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG |
| H.264 Type | Baseline Profile/Main Profile/High Profile |
| H.264+ | Yes |
| H.265 Type | Main Profile |
| H.265+ | Yes |
| 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 G.722.1/G.726: 16 Kbps MP212/PCM: 32 Kbps/64 Kbps/128 Kbps |
| SVC | Yes |
| Smart Features | |
| Basic Event | Motion Detection, Alarm Input, Alarm Output, Video Tampering Detection, Exception |
| Smart Event | Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection, Audio Exception Detection |
| Smart Record | ANR (Automatic Network Replenishment), Dual-VCA |
| ROI | Main stream, sub-stream, and third stream respectively support four fixed areas. |
| Smart Tracking | Auto Tracking, Panorama Tracking, Event Tracking |
| Image | |
| Max. Resolution | 2560 × 1440 |
| Main Stream | 50Hz: 25fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream | 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240) |
| Third Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 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 (NFS, SMB/CIFS), ANR |
| Alarm Linkage | Alarm actions, such as Notify Surveillance Center, Upload to FTP, Send Email, Trigger Recording, Recording Linkage, and Alarm Input, etc. |
| 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 | ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK |
| Simultaneous Live View | Up to 20 channels |
| User/Host | Up to 32 users 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+, Firefox 30.0+ |
| Interface | |
| Alarm Interface | 2-ch alarm input and 1-ch alarm output |
| Audio Interface | 1-ch audio input and 1-ch audio output |
| Network Interface | 1 RJ45 10 M/100 M Ethernet, Hi-PoE |
| General | |
| Language (Web Browser Access) | 32 languages. English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil) |
| Power | 24 VAC and Hi-PoE. Max. 40 W, including max. 16 W for IR and max. 6 W for heater |
| Working Temperature | -30°C to 65°C (-22°F to 149°F) |
| Working Humidity | ≤ 90% |
| Protection Level | IP66 Standard, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection |
| Material | ADC 12, PC+10% GF |
| Dimensions | Φ 220 mm × 353.4 mm (Φ 8.66" × 13.91") |
| Weight | Approx. 4.5 kg (9.92 lb) |

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.

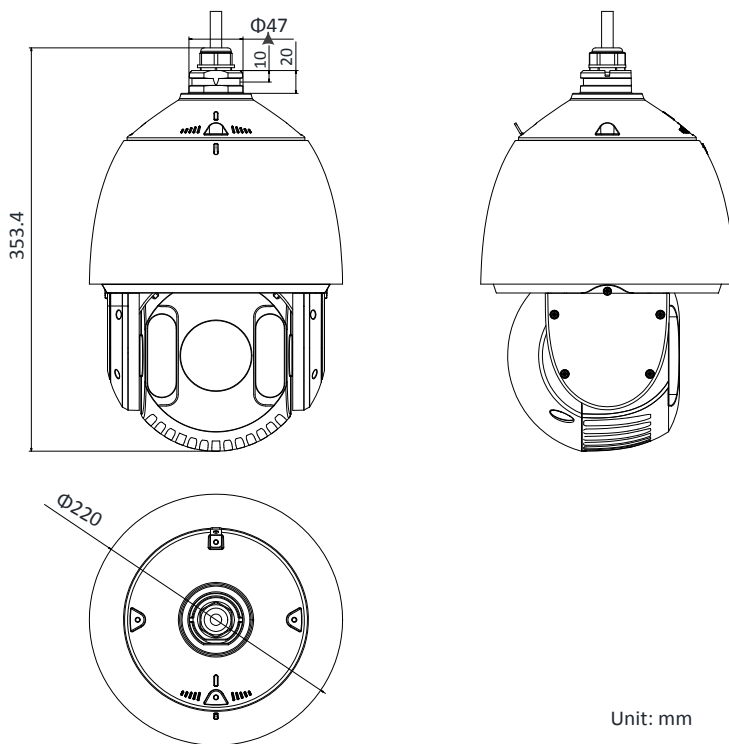
It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

| DORI | Detect | Observe | Recognize | Identify |
|-----------------|----------------------|---------------------|---------------------|--------------------|
| Definition | 25 px/m | 63 px/m | 125 px/m | 250 px/m |
| Distance (Tele) | 2400.0 m (7874.0 ft) | 952.4 m (3124.7 ft) | 480.0 m (1574.8 ft) | 240.0 m (787.4 ft) |

Available Model

DS-2DE7425IW-AE (B), 24 VAC & Hi-PoE

Dimensions



Unit: mm

Accessory

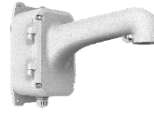
Optional:



DS-1604ZJ
Wall Mount



DS-1602ZJ
Wall Mount



DS-1604ZJ-box
Wall Mount with Junction
Box



DS-1604ZJ-box-pole
Vertical Pole Mount with
Junction Box



DS-1604ZJ-box-corner
Corner Mount with
Junction Box



DS-1661ZJ
Pendant Mount



DS-1662ZJ
Pendant Mount



DS-1667ZJ
Extendable Pole for
Pendant Mount



DS-1682ZJ
Extendable Pole for
Pendant Mount



DS-1663ZJ
Ceiling Mount



DS-1681ZJ
Installation Adapter



DS-1673ZJ
Horizontal Pole Mount

Distributed by



DS-1660ZJ
Parapet Mount



DS-1619ZJ
Gooseneck Mount



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Power adapter



LAS60-57CN-RJ45
Hi-PoE Midspan

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