

## DS-2DE5425IW-AE (C) 4 MP 25 × Network IR Speed Dome



Hikvision DS-2DE5425IW-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 & PoE+ (802.3 at, class4)
- Support H.265+/H.265 video compression
- Audio input/output
- Alarm input/output



## 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 120°/s Preset speed: 120°/s
Movement Range (Tilt)	From -15° to 90° (auto-flip)
Tilt Speed	Configurable, from 0.1°/s 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, 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	Baseline Profile/Main Profile/High 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 to 160 Kbps
SVC	Yes
<b>Smart Features</b>	
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, Audio Exception Detection
Smart Record	ANR (Automatic Network Replenishment), Dual-VCA
ROI	Main stream, sub-stream, and third stream respectively support four fixed areas.
Auto-Tracking	Yes
<b>Image</b>	
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
<b>Network</b>	
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 Preset, Patrol Scan, Pattern Scan, Trigger Recording, Trigger Alarm Output, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, 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+
<b>Interface</b>	
Network Interface	1 RJ45 10 M/100 M Ethernet, PoE+ (802.3 at, class4)
Audio	1-ch audio input, 2 to 2.4 V[p-p], 1 KΩ ± 10% 1-ch audio output, line level, impedance: 600 Ω
Alarm	2-ch alarm input/1-ch alarm output
<b>General</b>	
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 PoE+ (802.3 at, class4) Max.: 30 W, including max. 10W for IR
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 208 mm × 345 mm (Φ 8.19" × 13.58")
Weight	Approx. 3.3 kg (7.28 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.

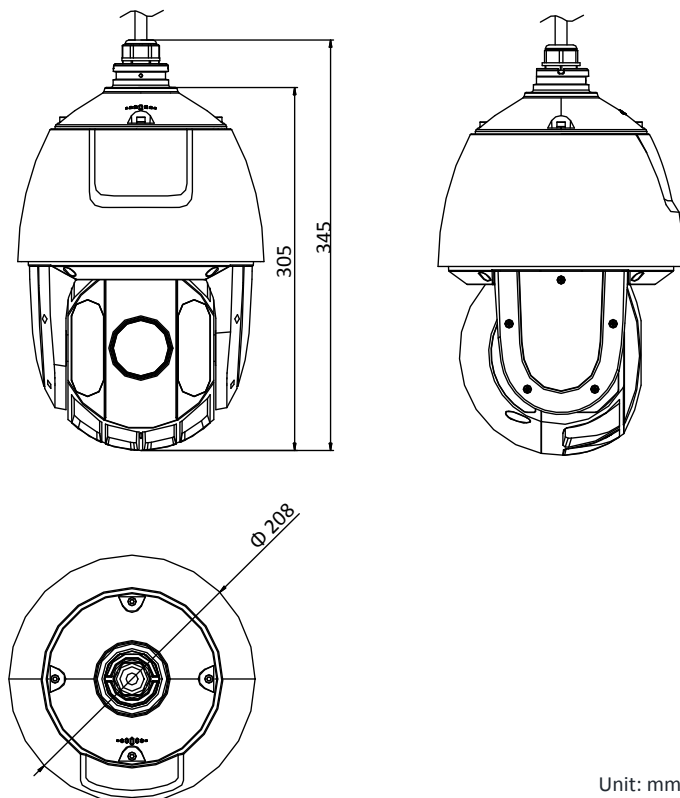
It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

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-2DE5425IW-AE (C), 24 VAC & PoE+ (802.3 at, class4)

## Dimensions



Unit: mm

## Accessory

Optional:



DS-1604ZJ  
Wall mount



DS-1602ZJ  
Wall mount



DS-1604ZJ-box  
Wall mount with junction box



DS-1604ZJ-BOX-CORNER  
Wall Mount with  
junction box



DS-1604ZJ-pole  
Vertical Pole  
Mount



DS-1604ZJ-BOX-POLE  
Vertical Pole Mount  
with junction box



DS-1604ZJ-corner  
Corner Mount



DS-1661ZJ  
Pendant Mount



DS-1662ZJ  
Pendant Mount



DS-1667ZJ  
Extendable pole for  
Pendant mount



DS-1663ZJ  
Ceiling Mount



DS-1681ZJ  
Installation Adapter



DS-1619ZJ  
Gooseneck  
Mount



DS-1660ZJ  
Parapet wall mount



HKA-A24250-230(EU)  
HKKD-12077(USA)  
HKA-A24250-230-BS(UK)  
PSE-A1525/5060(JP)  
Power adapter



LAS60-57CN-RJ45  
Hi-PoE midspan



DS-1100KI  
Network  
Keyboard



DS-1005KI  
USB Joy-stick

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