DS-2DE4425IW-DE (E)
4 MP 25 × Network IR Speed Dome

Hikvision DS-2DE4425IW-DE 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
- Excellent low-light performance with powered-by-DarkFighter technology
- 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, class 4)
- 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, mask color configurable
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	100 m
Smart IR	Yes
PTZ	
Movement Range (Pan)	360° endless
Pan Speed	Configurable, from 0.1°/s to 80°/s, Preset speed: 80°/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/64 Kbps/128 Kbps
SVC	Yes
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, Audio Exception 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	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
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	
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	
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	12 VDC, 2.0 A and PoE (802.3 at), 42.5 to 57 VDC, 0.6 A, class4 Max.: 18 W, including max. 7W 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 164.5 mm × 290 mm (Φ 6.48" × 11.42")
Weight	Approx. 2 kg (4.41 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.

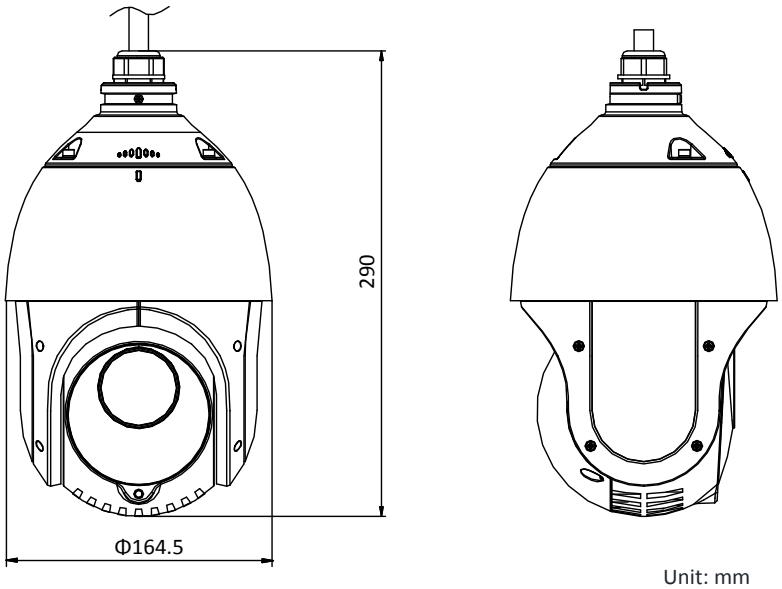
It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

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-2DE4425IW-DE (E) 12 VDC & PoE (802.3 at, class 4)

Dimensions



Unit: mm

Accessory

Included:

ASW0081-1220002W

Power adapter

DS-1618ZJ

Wall Mount

Optional:

DS-1673ZJ

Horizontal Pole Mount

DS-1602ZJ

Wall Mount

DS-1604ZJ-box

Wall mount with junction box

DS-1604ZJ

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-1671ZJ-SDM9
In-ceiling mount

DS-1663ZJ
Ceiling Mount

DS-1681ZJ
Installation Adapter

DS-1619ZJ
Gooseneck Mount

DS-1660ZJ
Parapet wall mount

DS-1667ZJ
Extendable Pole for Pendant Mount

DS-1682ZJ
Extendable Pole for Pendant Mount

DS-1100KI
Network Keyboard

LAS60-57CN-RJ45
Hi-PoE midspan

DS-1005KI
USB Joy-stick

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

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