DS-2DE4425IW-DE(S6)
4 MP 25× Network IR Speed Dome

Hikvision DS-2DE4425IW-DE(S6) 4MP 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.

- 1/2.8" progressive scan CMOS
- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- 25× optical zoom and 16× digital zoom provide close up views over expansive areas
- WDR, HLC, BLC, 3D DNR, defog, EIS, regional exposure, regional focus
- Expansive night view with up to 100 m IR distance
- Support H.265+/H.265 video compression

▪ 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)

▪ Specification

Camera Module	
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.005Lux @ (F1.6, AGC ON); B/W: 0.001Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter Speed	1 s to 1/30,000 s
Slow Shutter	yes
Focus	semi-auto, manual, auto
Day & Night	ICR
Day/Night Switch	day, night, auto, scheduled-switch
BLC	yes
WDR	120 dB WDR
HLC	yes
3D DNR	yes
Defog	yes
EIS	yes
Regional Exposure	yes
Regional Focus	yes
Image Settings	saturation, brightness, contrast, sharpness
Image Parameters Switch	yes
White Balance	auto, ATW, sodium lamp, fluorescent lamp, indoor, outdoor, MWB, Locked WB
Digital Zoom	16×
Optical Zoom	25×
Privacy Mask	up to 24 masks,mask color configurable
SNR	> 52dB
Lens	
Focal Length	4.8 mm to 120 mm, 25× Optical
Zoom Speed	approx. 3.6 s
FOV	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)
Aperture	F1.6
PTZ	
Movement Range (Pan)	360°
Movement Range (Tilt)	-15° to 90° (auto flip)

Pan Speed	pan speed: configurable from 0.1° to 80°/s; preset speed: 80°/s
Tilt Speed	tilt speed: configurable from 0.1° 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
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 Status 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
Video	
Max. Resolution	2560 × 1440
Stream Type	main stream, sub-stream, third stream
Main Stream	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	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
H.264+	yes
H.265+	yes
SVC	yes
ROI	fixed region, main stream, sub-stream and third stream respectively support eight fixed areas
Audio	
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM
Audio Bit rate	MP2L2: 32 kbps, 40 kbps, 48 kbps, 56 kbps, 64 kbps, 80 kbps, 96 kbps, 112 kbps, 128 kbps, 144 kbps, 160 kbps, 192 kbps
Audio Sampling Rate	MP2L2: 16 kHz, 32 kHz, 48 kHz,PCM: 8 kHz, 16 kHz, 32 kHz, 48 kHz
Environment Noise Filtering	yes
Smart Features	
Basic Event	motion detection, alarm input, alarm output, video tampering alarm, exception
Smart Event	face detection, intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection
Smart Record	ANR, Dual-VCA

Alarm Linkage	memory card video recording, alarm output, sending email, notify surveillance center, upload to FTP, NAS video recording
Network	
Network Storage	NAS (NFS, SMB/ CIFS)
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, ISUP
API	Open-ended API, ISAPI, Hikvision SDK, Third-party management platform, Hik-Connect, ISUP, Open Network Video Interface, CGI
Simultaneous Live View	20
User/Host	32
Security Measures	Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter
Client	iVMS-4200, Hik-Connect
Web Browser	IE10-11, Chrome 57+, Firefox 52+, Safari 12+
Interface	
Communication Interface	RJ45, self-adaptive 10M/100M Ethernet port
On-board Storage	support microSD/microSDHC/microSDXC cards, up to 256 GB
Alarm Input	1 alarm input
Alarm Output	1 alarm output
Audio Input	1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%
Audio Output	1 audio output, line level, impedance: 600 Ω
Supplement Light	
IR Distance	100 m
General	
Power	12 VDC, PoE (802.3at)
Power Consumption and Current	Max. 18 W, including max. 1.6 W for heater and 9 W for IR
Operating Conditions	-30°C to 65°C (-22°F to 149°F), humidity lower than 90%RH
Reset	yes
Demist	yes
Material	ADC12
Dimensions	Ø 164.5 mm × 290 mm (Ø 6.48" × 11.42")
Weight	Approx. 2 kg (4.41 lb.)
Approval	
Protection	IP66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection

▪ Available Model

DS-2DE4425IW-DE (S6)

▪ Dimension

▪ Accessory

▪ Included

DS-1618ZJ	ASW0081-1220002W

▪ Optional

DS-1005KI	DS-1673ZJ	DS-1604ZJ-box	DS-1662ZJ	DS-1667ZJ

DS-1604ZJ	DS-1681ZJ	DS-1604ZJ-BOX-POLE	DS-1604ZJ-pole	DS-1663ZJ
DS-1604ZJ-corner	**DS-1602ZJ**	**DS-1671ZJ-SDM9**	**DS-1660ZJ**	**DS-1619ZJ**
DS-1661ZJ	**DS-1100KI(B)**	**DS-1682ZJ**	**DS-1604ZJ-BOX-CORNER**	

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

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