DS-2SE4C425MWG-E(14F0)
TandemVu 4 MP 25× IR Network Speed Dome

AcuSense



Hikvision DS-2SE4C425MWG-E(14F0) 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.

- Captures a large area and great details at the same time
- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology and ColorVu technology
- 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 100 m IR distance & 30 m white light
- Supports 12V DC & PoE+
- Focuses on human and vehicle targets classification based on deep learning

▪ Specification

Camera	
Image Sensor	[Bullet channel]: 1/3" Progressive Scan CMOS; [PTZ channel]: 1/2.8" progressive scan CMOS
Min. Illumination	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [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
Slow Shutter	yes
Focus	semi-auto,manual,auto
Zoom	[PTZ channel] 25 × optical, 16 × digital
Day ＆ Night	ICR
Day/Night Switch	day, night, auto, scheduled-switch
White Balance	auto,ATW,sodium lamp,fluorescent lamp,indoor,outdoor,MWB,Locked WB
Max. Resolution	[Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440
Lens	
Focal Length	[Bullet channel]: 2.8 mm; [PTZ channel]: 4.8 to 120 mm, 25 × optical
Zoom Speed	[PTZ channel]: approx. 3.6 s
FOV	[Bullet channel]: Horizontal field of view: 96.1°, Vertical field of view: 52.1° ，Diagonal field of view: 113.3°; [PTZ channel]: 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	[Bullet channel]: F1.0; [PTZ channel]: F1.6
Illuminator	
Supplement Light Type	[PTZ channel]: IR; [Bullet channel]: White Light
Smart Supplement Light	Yes
Supplement Light Range	[PTZ channel]: up to 100 m; [Bullet channel]: up to 30 m
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
Exception Detection	IP address conflict, HDD full, illegal login, HDD error, network disconnected, Abnormal Reboot
Video	
Region of Interest (ROI)	8 fixed regions for each stream
Stream Type	main stream,sub-stream,third stream
Main Stream	[Bullet channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 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	[Bullet channel]: 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240) [PTZ channel]: 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	[Bullet channel]: 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) [PTZ channel]: 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
Audio	
Audio Compression	G.711,G.722.1,G.726,MP2L2,PCM,AAC-LC
Audio Bit Rate	32 to 160 Kbps (MP2L2),16 to 64Kbps (AAC-LC)
Audio Sampling Rate	8 kHz,16 kHz,32 kHz,48 kHz
Environment Noise Filtering	yes
Smart Features	
Smart Record	ANR,Dual-VCA
Network	
API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
Network Storage	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,WebSocket,WebSockets
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	IE 10+, Chrome 57+, Firefox 52+, Safari 12+
Image	
Image Settings	sharpness, saturation, brightness, contrast
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Defog	Digital defog
Image Stabilization	EIS
Image Enhancement	BLC,HLC,3D DNR
Regional Focus	Yes
Regional Exposure	Yes
Image Parameters Switch	Yes
Privacy Mask	[Bullet channel] 8 programmable polygon privacy masks, [PTZ channel] 24 programmable polygon privacy masks; mask color or mosaic configurable
Interface	
Communication Interface	RJ45, self-adaptive 10M/100M Ethernet port
On-board Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, 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
Event	
Basic Event	motion detection, video tampering alarm, alarm input and output, exception
Smart Event	audio exception detection, line crossing detection, intrusion detection, region entrance detection, region exiting detection
Alarm Linkage	[Bullet channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, and trigger recording [PTZ channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan)
Deep Learning Function	
Face Capture	[Bullet channel] no,[PTZ channel] yes
General	
General Function	mirror,password protection,watermark,IP address filter
Power	12VDC, PoE+
Power Consumption and Current	Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light
Operating Conditions	-30℃ to 65℃ (-22°F to 149°F) ,humidity lower than 90%RH
Reset	yes
Demist	Demist by heating the glass
Material	ADC12
Dimensions	Ø 166 mm × 375 mm (Ø 6.5" × 14.7")
Weight	Approx. 2.4 kg (13.2 lb.)

Approval	
Protection	IP66 Standard, 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection

▪ DORI

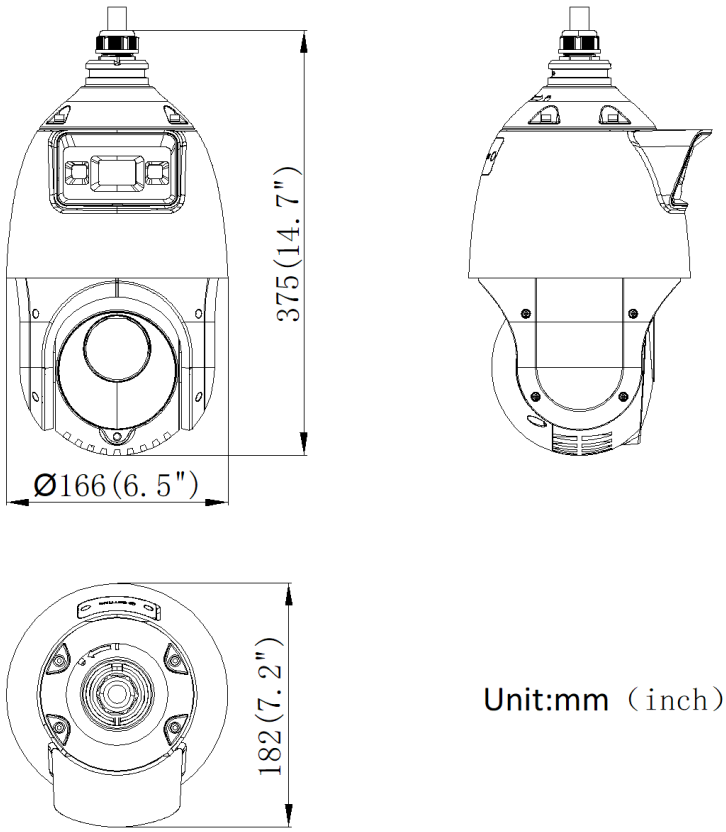
The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	2200.0 m (7217.85 ft)	873.0 m (2864.17 ft)	440.0 m (1443.57 ft)	220.0 m (721.78 ft)

▪ Available Model

DS-2SE4C425MWG-E(14F0)

▪ Dimension



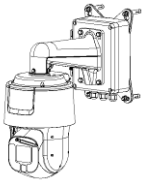
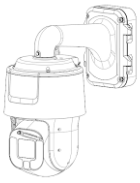
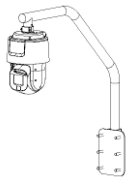
▪ Accessory

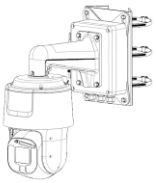
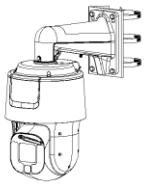
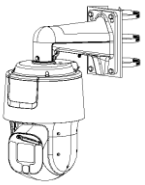
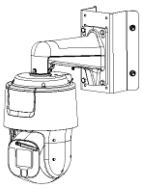
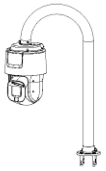
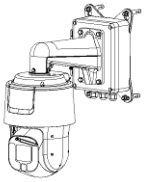
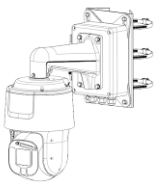
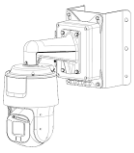
▪ Included

DS-1618ZJ Wall mount



▪ **Optional**

DS-1604ZJ-BOX-CORNER Wall mount	DS-1604ZJ-box Wall mount	DS-1604ZJ Wall mount	DS-1660ZJ Wall mount	DS-1661ZJ Pendant Mount
				
				
DS-1662ZJ Pendant Mount	**DS-1667ZJ Pendant Mount**	**DS-1673ZJ Vertical pole mount**	**DS-1604ZJ-BOX-POLE Vertical pole mount**	**DS-1684ZJ Vertical pole mount**
				

				
DS-1604ZJ-pole **Vertical pole mount**	**DS-1663ZJ** **In-ceiling mount**	**DS-1604ZJ-corner** **Corner mount**	**DS-1619ZJ** **Others**	**DS-1602ZJ** **Wall mount**
				
				
DS-1674ZJ **Junction box**	**DS-4650ZJ-WC** **Vertical pole mount**	**DS-4660ZJ-WC** **Corner mount**		
				
				

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