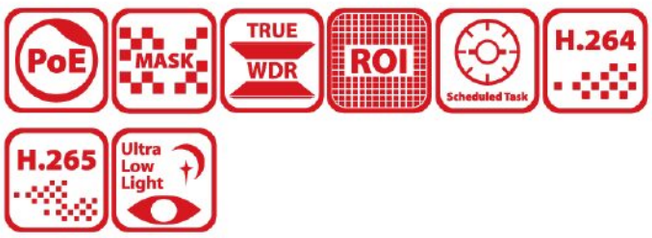
HIKVISION

DS-2SE4C425MWG-E(14F0)

TandemVu 4+4MP 25X ColorVu & IR Acusense Network Speed Dome





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

www.hikvision.com

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▪ Specification

Camera	
Image Sensor	[Bullet channel]: 1/3" Progressive Scan CMOS; [PTZ channel]: 1/2.8" progressive scan CMOS
Max. Resolution	[Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440
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
Day & Night	ICR
Zoom	[PTZ channel] 25 × optical, 16 × digital
Slow Shutter	yes
Lens	
Focal Length	[Bullet channel]: 2.8 mm; [PTZ channel]: 4.8 to 120 mm, 25 × optical
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)
Focus	semi-auto||manual||auto
Aperture	[Bullet channel]: F1.0; [PTZ channel]: F1.6
Zoom Speed	[PTZ channel]: approx. 3.6 s
Illuminator	
Supplement Light Type	[PTZ channel]: IR; [Bullet channel]: White Light
Supplement Light Range	[PTZ channel]: up to 100 m; [Bullet channel]: up to 30 m
Smart Supplement Light	Yes
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 Pan	yes
Presets	300
Preset Freezing	yes
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans
Park Action	preset||pattern scan||patrol scan||auto scan||tilt scan||random scan||frame scan||panorama scan
3D Positioning	yes
PTZ Status Display	yes
Scheduled Task	preset||pattern scan||patrol scan||auto scan||tilt scan||random scan||frame scan||panorama scan||dome reboot||dome adjust||aux output
Power-off Memory	yes

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Video	
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
Scalable Video Coding (SVC)	yes
Region of Interest (ROI)	8 fixed regions for each stream
Audio	
Audio Compression	G.711,G.722.1,G.726,MP2L2,PCM,AAC-LC
Audio Bit Rate	32 to 192 Kbps (MP2L2),16 to 64Kbps (AAC-LC)
Audio Sampling Rate	8 kHz,16 kHz,32 kHz,48 kHz
Environment Noise Filtering	yes
Network	
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
API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
User/Host	32
Security	Authenticated username and password||MAC address binding||HTTPS encryption||802.1X authenticated access||IP address filter
Network Storage	NAS (NFS, SMB/ CIFS)|| ANR
Client	iVMS-4200||Hik-Connect
Web Browser	IE 10+, Chrome 57+, Firefox 52+, Safari 12+
Image	
Image Parameters Switch	Yes
Image Settings	sharpness, saturation, brightness, contrast
Day/Night Switch	day, night, auto, scheduled-switch

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Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Defog	Digital defog
Image Stabilization	EIS
Image Enhancement	BLC,HLC,3D DNR
Privacy Mask	[Bullet channel] 8 programmable polygon privacy masks, [PTZ channel] 24 programmable polygon privacy masks; mask color or mosaic configurable
Regional Focus	Yes
Regional Exposure	Yes
Interface	
Ethernet 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
Audio	1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%, 1 audio output, line level, impedance: 600 Ω
Alarm	1 alarm input, 1 alarm output
Reset	yes
Event	
Basic Event	[PTZ channel] motion detection, video tampering alarm,[PTZ channel & bullet channel] alarm input and output, exception (IP address conflict, HDD full, illegal login, HDD error, network disconnected, Abnormal Reboot)
Smart Event	[PTZ channel & bullet channel] audio exception detection,[PTZ channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection,[Bullet channel] line crossing detection, intrusion detection, region entrance detection, region exiting detection
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	
Power	12VDC, PoE+
Dimension	Ø 166 mm × 375 mm (Ø 6.5" × 14.7")
Weight	Approx. 2.4 kg (13.2 lb.)
Material	ADC12
Operating Condition	-30℃ to 65℃ (-22°F to 149°F) ||humidity lower than 90%RH
General Function	mirror,password protection,watermark,IP address filter
Demist	Demist by heating the glass
Power Consumption and Current	Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light
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

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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)

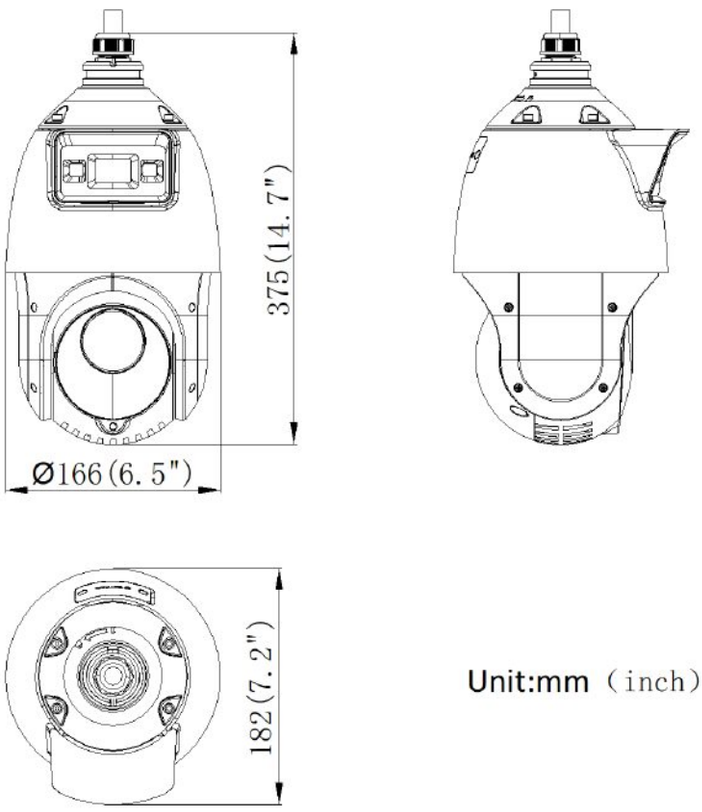
▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Dimension



Unit:mm (inch)

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▪ Accessory

▪ Included

DS-1618ZJ


▪ Optional

DS-1674ZJ	DS-4660ZJ-WC	DS-1661ZJ	DS-1673ZJ	DS-1604ZJ-BOX-CORNER
				
DS-1619ZJ	**DS-1604ZJ-box**	**DS-1604ZJ-BOX-POLE**	**DS-1604ZJ-pole**	**DS-1604ZJ**
				
DS-1662ZJ	**DS-1684ZJ**	**DS-1602ZJ**	**DS-1663ZJ**	**DS-1604ZJ-corner**
				
DS-1667ZJ	**DS-1660ZJ**	**DS-1276ZJ**	**DS-4650ZJ-WC**	

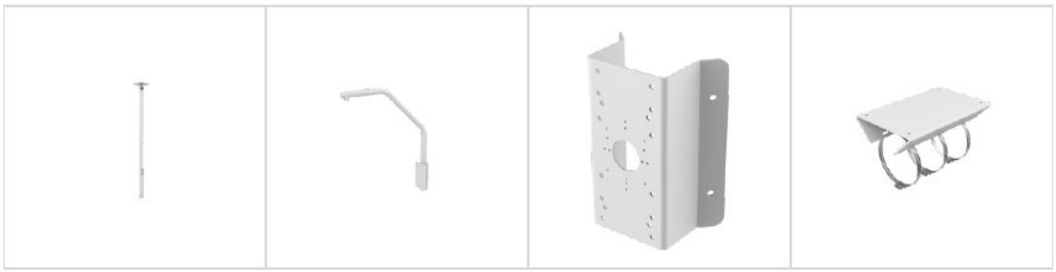
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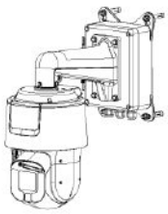
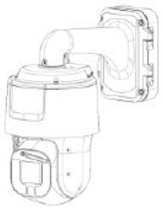
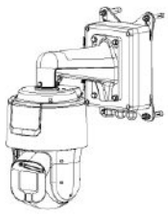
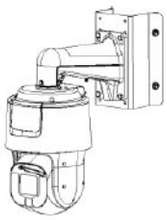
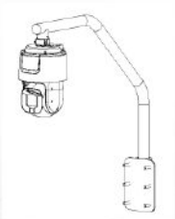
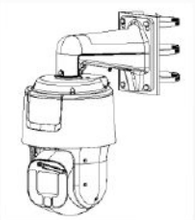
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▪ Installation Methods

Wall Mounting DS-1618ZJ	Wall Mounting DS-1604ZJ-box	Wall Mounting DS-1604ZJ	Wall Mounting DS-1602ZJ	Junction Box DS-1674ZJ+DS-1602ZJ
				
Corner Mounting DS-4660ZJ-WC+DS-1602ZJ+DS-1674ZJ	Corner Mounting DS-1604ZJ-BOX-CORNER	Corner Mounting DS-1604ZJ-corner	Corner Mounting DS-1276ZJ+DS-1602ZJ	Pendant Mounting DS-1661ZJ
				
Pendant Mounting DS-1662ZJ	Pendant Mounting DS-1663ZJ	Pendant Mounting DS-1667ZJ	Horizontal Pole Mounting DS-1673ZJ+DS-1663ZJ	Gooseneck Mounting DS-1619ZJ
				
Gooseneck Mounting DS-1660ZJ	Vertical Pole Mounting DS-1604ZJ-BOX-POLE	Vertical Pole Mounting DS-1604ZJ-pole	Vertical Pole Mounting DS-1684ZJ+DS-1602ZJ	Vertical Pole Mounting DS-4650ZJ-WC+DS-1602ZJ+DS-1674ZJ
				

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