

DS-2SE7C425MWG0E-EB/14 TandemVu 4+4MP 25X Network Speed Dome

ColorVu

Powered by
DarkFighter



Hikvision DS-2SE7C425MWG0E-EB/14 4 MP 25 × IR Network Speed Dome adopts 1/1.8" 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.

- High quality imaging with 4 MP resolution
- Captures a large area and great details at the same time
- Excellent low-light performance with powered-by-DarkFighter technology
- Focuses on human and vehicle targets classification based on deep learning
- 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 200 m IR distance
- Supports 36 VDC & Hi-PoE
- Active strobe light and audio alarm to warn intruders off

▪ Specification

Camera	
Image Sensor	[Bullet channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/2.8" Progressive Scan CMOS
Max. Resolution	[Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440
Min. Illumination	[PTZ channel] Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 lux with IR, [Bullet channel] Color: 0.005 Lux @ (F1.0, AGC ON), B/W: 0.001 Lux @ (F1.0, 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] 4 mm, [PTZ channel] 4.8 to 120 mm
FOV	[Bullet channel] horizontal field of view: 89.3°, vertical field of view: 48.1°, diagonal field of view: 106.5°, [PTZ channel] horizontal field of view: 55° to 2.65°, vertical field of view: 33° to 1.5°, diagonal field of view: 61.5° to 3.03°
Focus	Auto, semi-auto, manual
Aperture	[Bullet channel] F1.0, [PTZ channel] F1.6 max.
Zoom Speed	Approx. 3.5 s
Illuminator	
Supplement Light Type	[Bullet channel] Hybrid, [PTZ channel] Hybrid
Supplement Light Range	[Bullet channel] White light: up to 30 m, IR: up to 30 m, [PTZ channel] White light: up to 30 m, IR: up to 200 m
Smart Supplement Light	Yes
PTZ	
Movement Range (Pan)	360° endless
Movement Range (Tilt)	-10° to 90°
Pan Speed	Pan speed: configurable from 0.1° to 240°/s, preset speed: 240°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 200°/s, preset speed 200°/s
Proportional Pan	Yes
Presets	300
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

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 (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
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	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: 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)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed regions for each stream
Audio	
Audio Compression	G.711, G.722.1, G.726, MP2L2, PCM, AAC-LC
Audio Bit Rate	16 Kbps(G.726)/64 Kbps(G.711)/32~160 Kbps(MP2L2)/16~64 Kbps(AAC-LC)/16 Kbps(G.722.1)
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes
Network	
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, WebSocket, WebSockets
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G), ISAPI, SDK, ISUP, Open-ended API
Client	iVMS-4200, Hik-Connect
Web Browser	Chrome 80+, Firefox 80+, Safari 13+, Edge 89+
Image	
Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness
Day/Night Switch	Day, night, auto, schedule
Wide Dynamic Range (WDR)	120 dB WDR
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
Regional Focus	Yes
Regional Exposure	Yes

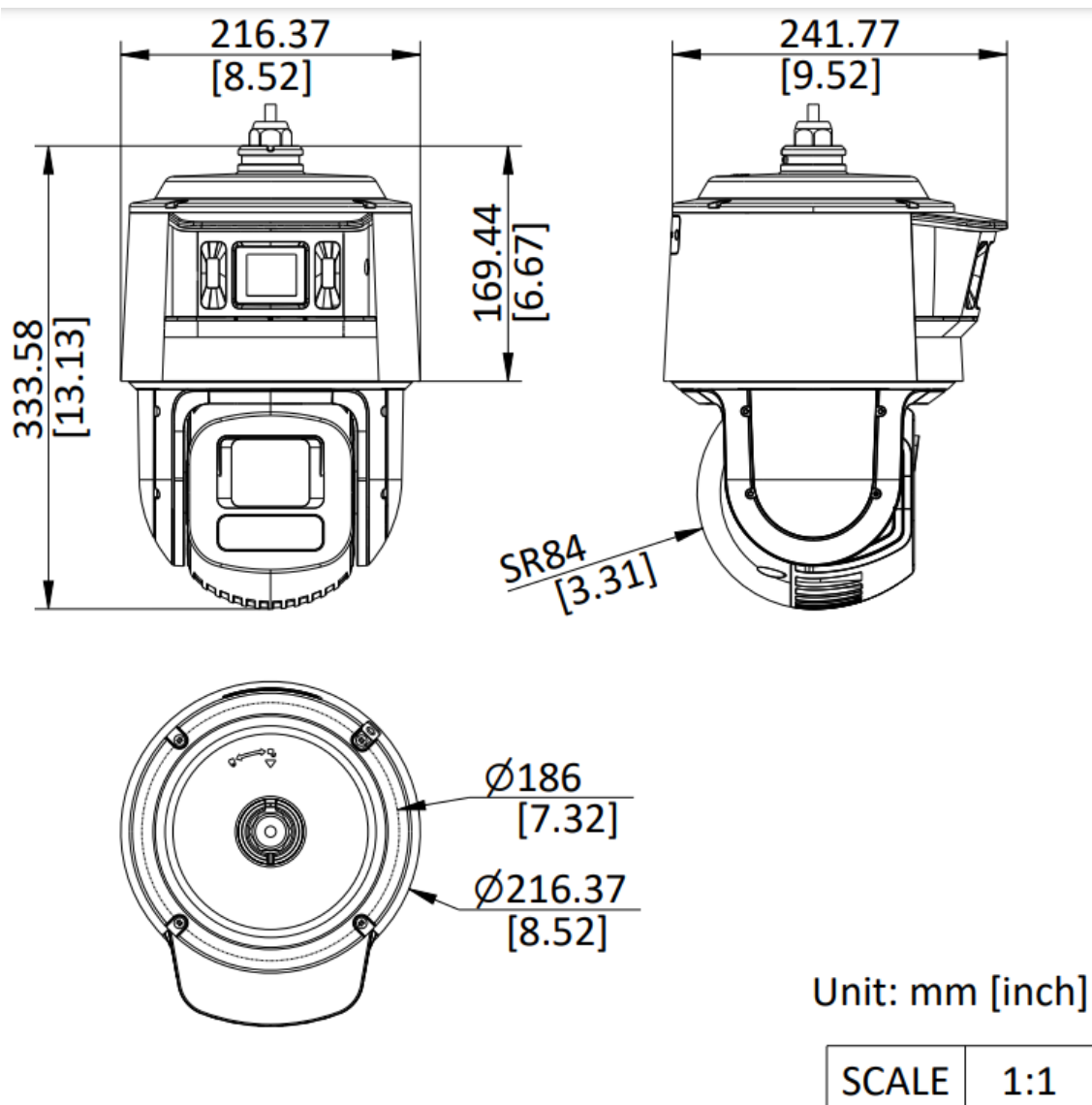
Interface	
Ethernet Interface	RJ45, self-adaptive 10M/100M Ethernet port
On-board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Audio	1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%, 1 audio output, line level, impedance: 600 Ω
Alarm	2 input(s), 1 output(s)
Reset	Yes
Event	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), alarm input and output
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, audible warning, white light flashing, and PTZ actions (such as preset, patrol scan, pattern scan), trigger capture
Smart Tracking	[PTZ channel] yes
Smart Linkage	Auto tracking
General	
Power	36 VDC ± 25%, max. 24 W, PoE+(802.3at)
Dimension	241.8 mm × 216.4 mm × 333.6 mm (9.52" × 8.52" × 13.13")
Weight	Approx. 4 kg (8.82 lb.)
Material	ADC12
Operating Condition	-30 °C to 65 °C (26.6 °F to 149 °F). Humidity 90% or less (non-condensing)
General Function	mirror, password protection, watermark, IP address filter
Demist	Demist by heating the glass
Approval	
Protection	IP66 (IEC 60529-2013), IK10 (IEC 62262:2002), TVS 6000 V lightning protection, surge protection and voltage transient protection
EMC	CE-EMC (EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021+A2:2024, EN 61000-3-3:2013+A1:2019+A2:2021), RCM (AS/NZS CISPR 32: 2015)
Safety	CB (IEC 62368-1:2014), CE-LVD (EN 62368-1:2014 + A11:2017)
Environment	CE-RoHS (2011/65/EU and its amendment (EU)2015/863), Reach (Regulation (EC) No 1907/2006)

▪ 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 (Bullet channel)	69.0 m (226.3 ft)	27.4 m (89.8 ft)	13.8 m (45.3 ft)	6.9 m (22.6 ft)
Distance (PTZ channel: Wide)	96.0 m (315.0 ft)	38.1 m (125.0 ft)	19.2 m (63.0 ft)	9.6 m (31.5 ft)
Distance (PTZ channel: Tele)	2400.0 m (7874.0 ft)	952.4 m (3124.6 ft)	480.0 m (1574.8 ft)	240.0 m (787.4 ft)

▪ Dimension



▪ Accessory

▪ Included

DS-1602ZJ



▪ Optional

DS-1684ZJ

DS-1673ZJ

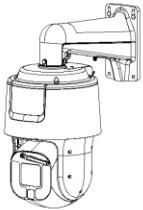
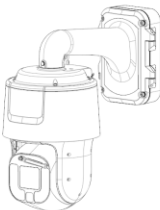
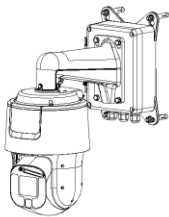
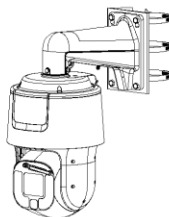
DS-1604ZJ-corner

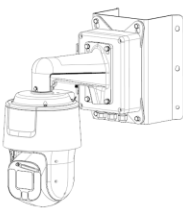
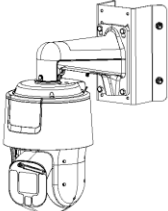
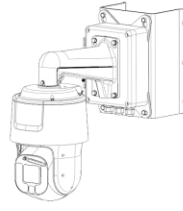
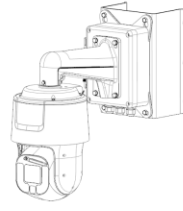
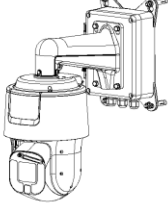
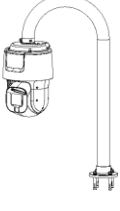
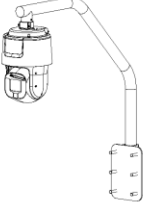
DS-1674ZJ

DS-1276ZJ

				
DS-1619ZJ	DS-1661ZJ	DS-1604ZJ-BOX-CO RNER	DS-1660ZJ	DS-1604ZJ-pole
				
DS-4650ZJ-WC	DS-1604ZJ-BOX-PO LE	DS-1604ZJ	DS-1662ZJ	DS-1604ZJ-box
				
DS-1667ZJ	DS-4660ZJ-WC	DS-1663ZJ		
				

▪ **Installation Methods**

Wall Mounting DS-1602ZJ	Wall Mounting DS-1604ZJ	Wall Mounting DS-1604ZJ-box	Vertical Pole Mounting DS-1684ZJ+DS-1602ZJ	Vertical Pole Mounting DS-1604ZJ-pole
				

Vertical Pole Mounting DS-4650ZJ-WC+DS-1674ZJ+DS-1602ZJ	Vertical Pole Mounting DS-1604ZJ-BOX-POLE	Horizontal Pole Mounting DS-1673ZJ+DS-1663ZJ	Corner Mounting DS-1604ZJ-corner	Corner Mounting DS-1276ZJ+DS-1602ZJ
				
Corner Mounting DS-1604ZJ-BOX-CORN ER	Corner Mounting DS-4660ZJ-WC+DS-1602ZJ+DS-1674ZJ	Junction Box DS-1674ZJ+DS-1602ZJ	Gooseneck Mounting DS-1619ZJ	Gooseneck Mounting DS-1660ZJ
				
Pendant Mounting DS-1661ZJ	Pendant Mounting DS-1662ZJ	Pendant Mounting DS-1667ZJ	Pendant Mounting DS-1663ZJ	
				

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