

DS-2DE5432IWG1-E**4 MP 32X Powered by DarkFighter IR Acusense Network Speed Dome**

Hikvision DS-2DE5432IWG1-E 4 MP 32× Network IR Speed Dome adopts 1/2.5" progressive scan CMOS chip. With the 32× 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.

- HIK AI-ISP for excellent noise reduction effect
- High focus speed with self-learning focus technology keep the picture clear every single second
- 1/2.5" Progressive Scan CMOS. High quality imaging with 4 MP resolution
- 32× optical zoom and 16× digital zoom provide close up views over expansive areas
- Expansive night view with up to 150 m IR distance
- Focuses on human and vehicle targets classification based on deep learning
- WDR, HLC, BLC, 3D DNR, defog, regional exposure, regional focus
- Support link to hikvision network speakers and network microphones to play audio
- Improve playback efficiency and be compatible with the AcuSeek and AcuSearch technologies of NVR for combined use
- 36 VDC & PoE (IEEE 802.3at)

• Specification

Camera		
Image Sensor	5	1/2.5" Progressive Scan CMOS
Max. Resolution		2560 × 1440
Min. Illumination	4	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		IR cut filter
Zoom	1	32 × optical, 16 × digital
Slow Shutter		Yes
Lens		
Focal Length		5.5 to 176 mm
FOV		Horizontal field of view: 60.72° to 2.2° (wide-tele), Vertical field of view: 35.92° to 1.3° (wide-tele), Diagonal field of view: 68.42° to 2.6° (wide-tele)
Focus		Auto, semi-auto, manual
Aperture		Max. F1.6
Zoom Speed		Approx. 2.7 s
Illuminator		
Supplement Light Type		IR
Supplement Light Range		IR Distance: up to 150 m
PTZ		
Movement Range (Pan)	1	360°
Movement Range (Tilt)	1	-15° to 90° (auto flip)
Pan Speed		Pan speed: configurable from 0.1° to 120°/s; preset speed: 120°/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
Video		
Main Stream	2,3	50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720) 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	7,9	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 16 Mbps
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)		8 fixed regions for each stream
AI Encoding		-(B): Yes
Audio		
Audio Compression		G.722.1,G.711,G.726,MP2L2,PCM,MP3,AAC
Audio Bit Rate		64 Kbps (G.711),16 Kbps (G.722.1),16 Kbps (G.726),32 to 192 Kbps (MP2L2),16 to 64Kbps (AAC-LC),8 to 320 Kbps (MP3)
Audio Sampling Rate		MP2L2: 16kHz, 32kHz, 48kHz,AAC-LC: 16kHz, 32kHz, 48kHz,PCM: 8kHz, 16kHz, 32kHz, 48kHz,MP3: 8kHz, 16kHz, 32kHz, 48kHz
Environment Noise Filtering		Yes
Network		
Protocols	10 14	IPv4/IPv6, HTTP, HTTPS, IEEE 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
Simultaneous Live View		Up to 20 channels
API	8	ONVIF (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP 16
User/Host		Up to 32 users; 3 user levels: administrator, operator, and user
Security		Password protection, complicated password, HTTPS encryption, IEEE 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
Network Storage		NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Client		iVMS-4200, HikCentral Pro, Hik-Connect
Web Browser		IE11, Chrome 80+, Firefox 80+, Safari 13+, Edge 89+
Image		
Image Parameters Switch		Yes
Image Settings		Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Day/Night Switch		Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)		120 dB
SNR		> 52 dB
Defog		Digital Defog
Image Stabilization		EIS
Image Enhancement		BLC, HLC, 3D DNR
Privacy Mask		24 programmable polygon privacy masks, mask color or mosaic configurable
Regional Focus		Yes
Regional Exposure		Yes
VR View		360° Real Scene Stitched Panoramic Image
Interface		
Ethernet Interface	11	1 RJ45 10M/100M Base-T self-adaptive Ethernet port
On-board Storage	15	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB

Audio		1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K Ω $\pm$ 10%; 1 output (line out), line level, output impedance: 600 Ω
Alarm		2 inputs, 1 output
Reset		Yes
Event		
Basic Event	6	Motion detection, video tampering alarm, exception, alarm input and output
Smart Event		Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection
Linkage		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		Detects up to 5 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and output the best face picture of the face
Linkage and Tracking		
Smart Tracking		Manual tracking, auto-tracking
General		
Power		36 VDC $\pm$ 25%, max. 24 W, PoE (IEEE 802.3at) 10
Dimension		$\varnothing$ 210 mm $\times$ 344.7 mm ($\varnothing$ 8.27" $\times$ 13.57")
Weight		Approx. 3.0 kg (6.61 lb.)
Material		Metal
Operating Condition	13	-30 $^{\circ}$ C to 65 $^{\circ}$ C (-22 $^{\circ}$ F to 149 $^{\circ}$ F). Humidity 90% or less (non-condensing)
Demist		Yes
Approval		
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	17	UL (UL 62368-1); CB (IEC 62368-1:2014+A11); CE-LVD (EN 62368-1:2014/A11:2017)
Environment		CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	12	IP67 (IEC 60529-2013), TVS 6000 V lightning protection, surge protection and voltage transient protection, IK10 (IEC 62262:2002)

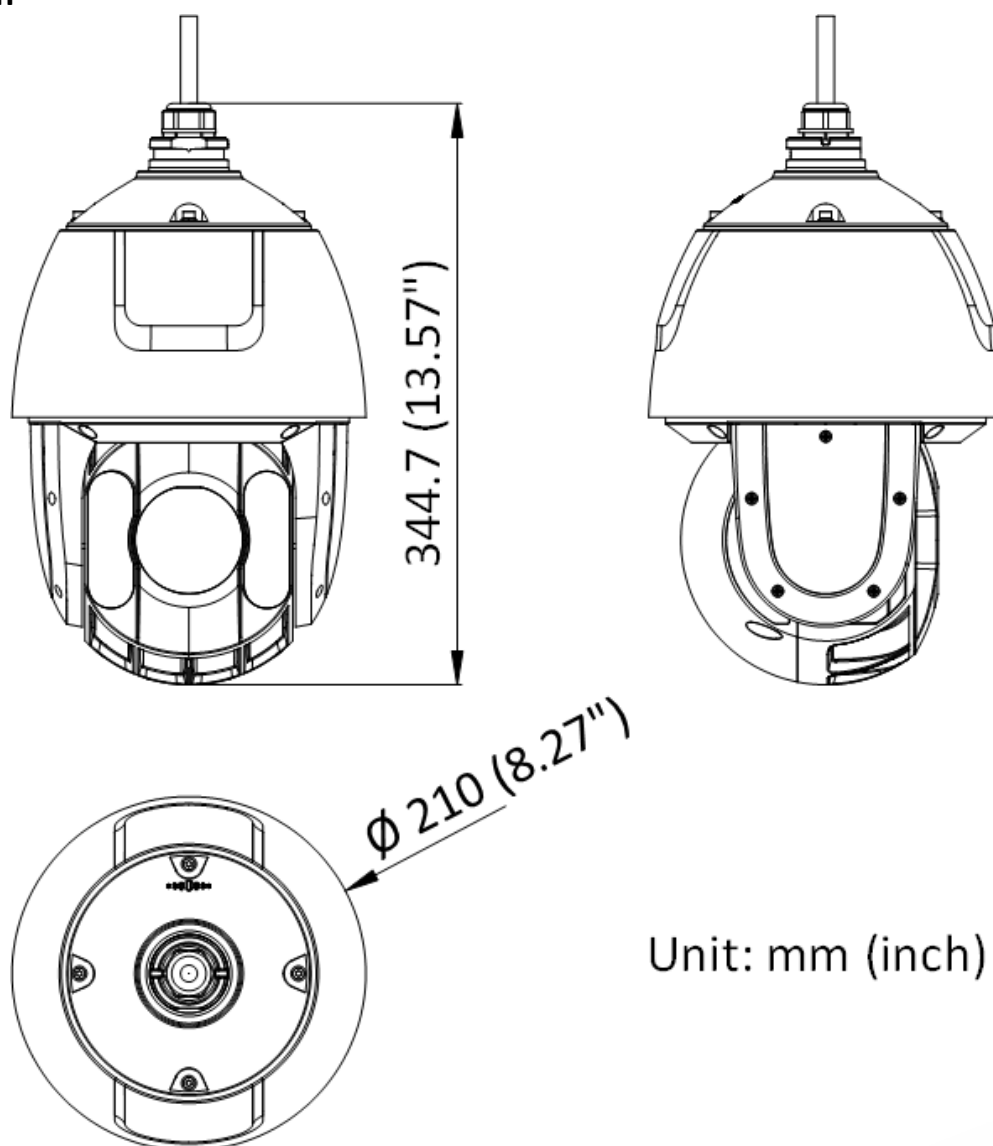
▪ DORI

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)	3523.5 m (11560.1 ft)	1398.2 m (4587.3 ft)	704.7 m (2312.0 ft)	352.4 m (1156.0 ft)
Distance (Wide)	110.1 m (361.3 ft)	43.7 m (143.4 ft)	22.0 m (72.3 ft)	11.0 m (36.1 ft)

▪ Dimension



Unit: mm (inch)

▪ **Accessory**

▪ **Included**

DS-1602ZJ



▪ **Optional**

DS-1663ZJ	DS-1604ZJ-pole	DS-1619ZJ	DS-1604ZJ-box	DS-1662ZJ
A white, circular camera mounting bracket with a central screw.	A white, L-shaped camera mounting bracket with a curved arm and a mounting plate.	A white, curved camera mounting bracket.	A white, L-shaped camera mounting bracket with a curved arm and a mounting plate.	A white, vertical camera mounting bracket.
DS-1673ZJ	DS-1661ZJ-R/B	DS-1604ZJ-BOX-POLE		DS-1661ZJ
A white, L-shaped camera mounting bracket with a curved arm and a mounting plate.	A white, L-shaped camera mounting bracket with a curved arm and a mounting plate.	A white, L-shaped camera mounting bracket with a curved arm and a mounting plate.		A white, vertical camera mounting bracket.
DS-1684ZJ	DS-1604ZJ-BOX-CORNER		A white, L-shaped camera mounting bracket with a curved arm and a mounting plate.	
A white, L-shaped camera mounting bracket with a curved arm and a mounting plate.	A white, L-shaped camera mounting bracket with a curved arm and a mounting plate.		A white, vertical camera mounting bracket.	

▪ **Installation Methods**

Wall Mounting DS-1602ZJ	Wall Mounting DS-1604ZJ-box	Pendant Mounting DS-1663ZJ	Pendant Mounting DS-1662ZJ	Pendant Mounting DS-1661ZJ
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Vertical Pole Mounting DS-1604ZJ-pole	Vertical Pole Mounting DS-1604ZJ-BOX-POLE	Vertical Pole Mounting DS-1684ZJ+DS-1602ZJ	Gooseneck Mounting DS-1619ZJ	Horizontal Pole Mounting DS-1673ZJ+DS-1662ZJ
Corner Mounting DS-1604ZJ-BOX-CORNER				

See Far, Go Further



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