DS-2DE7A232IWG1-E

2 MP 32X Powered by DarkFighter IR Acusense Network Speed Dome





Hikvision DS-2DE7A232IWG1-E 2 MP 32 × IR Network Speed Dome adopts 1/2.8" 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 the rivers, roads, railways, airports, squares, parks, scenic spots, and venues, etc.
Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- HIK AI-ISP for excellent noise reduction effect
- High focus speed with self-learning focus technology keep the picture clear every single second
- High quality imaging with 2 MP resolution
- 1/2.8" progressive scan CMOS
- 32× optical zoom and 16× digital zoom provide close up views over expansive areas
- Expansive night view with up to 200 m IR distance
- Built-in arrayed dual-microphone for real-time high quality audio security
- 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
- Audio visual alarm: The white flashing light and audible warning can be triggered by certain events
- Focuses on human and vehicle targets classification based on deep learning

▪ Specification

	Camera	
5.5	Image Sensor	1/2.8" Progressive Scan CMOS
5.2	Max. Resolution	1920 × 1080
5.4	Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR
	Shutter Speed	1/1 s to 1/30000 s
	Day & Night	IR cut filter
5.1	Zoom	32 × optical, 16 × digital
	Slow Shutter	Yes
	Lens	
	Focal Length	4.8 to 153.6 mm
	FOV	Horizontal field of view: 55° to 1.7° vertical field of view: 33° to 1.0° diagonal field of view: 61.5° to 1.9°
	Focus	Auto, semi-auto, manual
	Aperture	Max. F1.6
	Zoom Speed	Approx. 4.8 s
	Illuminator	
	Supplement Light Type	IR
	Supplement Light Range	IR Distance: up to 200 m
	PTZ	
5.1	Movement Range (Pan)	360°
	Movement Range (Tilt)	-15° to 90° (auto flip)
	Pan Speed	Pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s
	Tilt Speed	Tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/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, 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	
5.3	Main Stream	50 Hz: 50 fps (1920 × 1080, 1280 × 960, 1280 × 720), 60 Hz: 60 fps (1920 × 1080, 1280 × 960, 1280 × 720) *High frame rate is supported under certain settings.
5.7	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	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
5.9 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
Audio	
Audio Compression	G.711,G.722.1,G.726,MP2L2,PCM,MP3,AAC-LC
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,AAC-LC: 16kHz,PCM: 8kHz, 16kHz,MP3: 8kHz, 16kHz
Environment Noise Filtering	Yes
Network 5.14	
5.10 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
Simultaneous Live View 5.16	Up to 20 channels
API 5.8	ONVIF (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
User/Host	Up to 32 users, 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Client	iVMS-4200, HikCentral Pro, Hik-Connect
Web Browser	Chrome 80+, Firefox 80+, Safari 13+, Edge 89+
Image	
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 5.11	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage 5.15	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Built-in Speaker	1 built-in speaker with effective distance reaching max. 30 meters
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 kΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω

Alarm		2 inputs, 1 output
Reset		Yes
Built-in Microphone		2 built-in Microphone: Arrayed dual-microphone up to 8 meters
Event		
Basic Event	5.6	Motion detection, video tampering alarm, exception, 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, tracking)
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
Regional People Counting		Supports up to 8 detection regions, and independent arming schedule and linkage method Supports 3 detection modes: people density detection, number of people exception detection, waiting time exception detection Supports searching real-time number of people
Linkage and Tracking		
Smart Tracking		Manual tracking, auto-tracking
General		
Power	5.11	36 VDC (Max. 48 W, including max. 9 W for IR and max. 2 W for heater), PoE 802.3bt, type3, class6, HI-PoE
Dimension		Ø 220 mm × 363.3 mm (Ø 8.66" × 13.91")
Weight		Approx. 5 kg (11.03 lb.)
Material		ADC12
Operating Condition	5.13	-30 °C to 65 °C (-22 °F to 149 °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		CB (IEC 62368-1:2014), 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	5.12	IP67 (IEC 60529-2013),IK10 (IEC 62262:2002),TVS 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)	3075.1 m (10088.8 ft)	1220.3 m (4003.5 ft)	615.0 m (2017.8 ft)	307.5 m (1008.9 ft)

Distance (Wide)	96.1 m (315.3 ft)	38.1 m (125.1 ft)	19.2 m (63.1 ft)	9.6 m (31.5 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.

DS-2DE7A232IWG1-E 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.

▪ Accessory

▪ Included

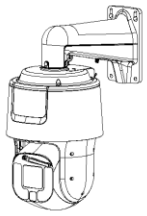
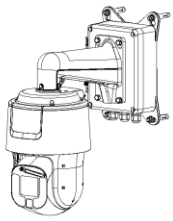
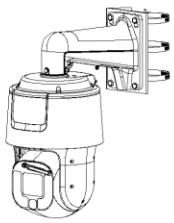
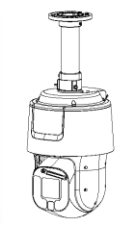
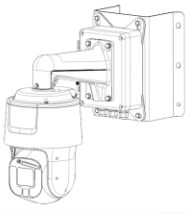
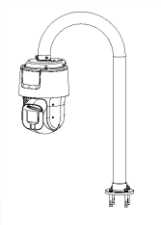
DS-1602ZJ


▪ Optional

DS-1604ZJ-BOX-POLE	DS-1673ZJ	DS-1662ZJ	DS-1604ZJ-pole	DS-1604ZJ-box
				
DS-1663ZJ	DS-1602ZJ-R/B	DS-1684ZJ	DS-1604ZJ-BOX-CORNER	DS-1619ZJ

				
DS-1661ZJ	DS-1661ZJ-R/B			
				

▪ Installation Methods

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

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