

DS-2DE7A432IW-AEB(T5) 4 MP 32× IR Network Speed Dome

AcuSense









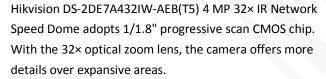












This series of cameras can be widely used for wide ranges of high-definition, such as the rivers, roads, railways, airports, squares, parks, scenic spots, and venues, etc.

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.



- 1/1.8" progressive scan CMOS
- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Audio visual alarm: The white flashing light and audible warning can be triggered by certain events
- 32× optical zoom and 16× digital zoom provide close up views over expansive areas
- Expansive night view with up to 200 m IR distance
- Focuses on human and vehicle targets classification based on deep learning
- Face capture: Up to 5 faces captured at the same time





- 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)	2046.9 m (6715.5 ft)	812.3 m (2665.0 ft)	409.4 m (1343.2 ft)	204.7 m (671.6 ft)

Specification

Camera				
Max. Resolution	2560 × 1440			
Image Sensor	1/1.8" progressive scan CMOS			
Min. Illumination	Color: 0.005 Lux @ (F1.5, AGC ON), B/W: 0.001 Lux@(F1.5, AGC ON), 0 Lux with I			
Shutter Speed	1/1 s to 1/30000 s			
Slow Shutter	Yes			
Day & Night	IR cut filter			
Zoom	32x optical, 16x digital			
Lens				
Focal Length	5.9 mm to 188.8 mm			
Zoom Speed	Approx. 4.8 s			
	Horizontal field of view: 50.8° to 2.6° (wide-tele),			
FOV	Vertical field of view: 29.4° to 1.5° (wide-tele),			
	Diagonal field of view:57.4° to 3° (wide-tele)			
Aperture	Max. F1.5			
Focus	Auto, semi-auto, manual, rapid focus			
Illuminator				
Supplement Light Type	IR			
Supplement Light Range	IR Distance: up to 200 m			
PTZ				
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			
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, 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			



Video			
Main Strongs	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720);		
Main Stream	60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)		
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288);		
Sub-Stream	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);		
mind Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)		
	Main stream: H.265+/H.265/H.264+/H.264		
Video Compression	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)	8 fixed regions for each stream		
Audio			
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, AAC, PCM		
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)/16-64 Kbps		
Addio Bit Nate	(AAC)		
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz		
Environment Noise Filtering	Yes		
Network			
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)		
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP,		
1100000	RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour		
API	Open Network Video Interface (Version 19.12, Profile S, Profile G, Profile T), ISAPI, SDK,		
	ISUP		
Simultaneous Live View	Up to 20 channels		
User/Host	Up to 32 users, 3 user levels: administrator, operator, and user		
	Password protection, complicated password, HTTPS encryption, 802.1X authentication		
Security	(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)		
Client	iVMS-4200, HikCentral Pro, Hik-Connect		
Web Browser	IE11, Chrome 57+, Firefox 52+, Safari 11+		
Image			
Day/Night Switch	Day, Night, Auto, Schedule		
Image Enhancement			
Wide Dynamic Range (WDR)	120 dB		
Defog Digital defog			
Image Stabilization	EIS		
Regional Exposure	Yes		
Regional Focus	Yes		
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by		
3 5-	client software or web browser		



Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable				
SNR	> 52 dB				
Interface					
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port				
On-board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB				
Alarm	2 inputs, 1 output				
Audia	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 k Ω ± 10%;				
Audio	1 output (line out), line level, output impedance: 600Ω				
Reset	Yes				
Built-in Speaker	1 built-in speaker with effective distance reaching max. 30 meters				
Event					
Basic Event	Motion detection, video tampering alarm, exception, alarm input and output				
	Line crossing detection, intrusion detection, region entrance detection, region exiting				
Smart Event	detection, unattended baggage detection, object removal detection, audio exception				
	detection				
Smart Tracking	Manual tracking, auto-tracking				
	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm				
Alarm Linkage	output, trigger recording, audible warning, white light flashing, and PTZ actions (such				
	as preset, patrol scan, pattern scan)				
Deep Learning Function					
	Detects up to 5 faces simultaneously.				
Face Capture	Supports detecting, capturing, grading, selecting of face in motion, and output the best				
	face picture of the face				
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting				
	Support alarm triggering by specified target types (human and vehicle)				
General					
Power	24 VAC, max. 42 W (including max. 18 W for IR and max. 10 W for heater);				
	Hi-PoE				
Operating Condition	-30 °C to 65 °C (-22 °F to 149 °F). Humidity 90% or less (non-condensing)				
Demist	Yes				
Material	ADC12				
Dimension	Ø 220 mm × 363.3 mm (Ø 8.66" × 13.91")				
Weight	Approx. 5 kg (11.03 lb.)				
Approval					
Protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection,				
	surge protection and voltage transient protection				
	FCC SDoC (47 CFR Part 15, Subpart B);				
	CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013, EN 50130-4: 2011				
EMC	+A1: 2014);				
	RCM (AS/NZS CISPR 32: 2015);				
	IC VoC (ICES-003: Issue 6, 2019);				
	KC (KN 32: 2015, KN 35: 2015)				



1	UL (UL 62368-1);
	CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);
Safety	CE-LVD (EN 62368-1:2014+A11:2017);
	BIS (IS 13252(Part 1):2010+A1:2013+A2:2015);
	LOA (SANS IEC60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU);
Environment	Reach (Regulation (EC) No 1907/2006)

Available Model

DS-2DE7A432IW-AEB(T5)

Typical Application

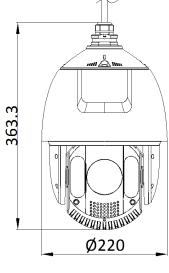
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

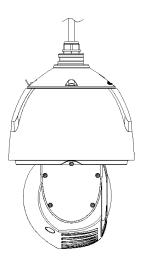
This model has NO SPECIFIC PROTECTION.

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

- Accessory
- Included



Optional

DS-1619ZJ	DS-1662ZJ	DS-1660ZJ	DS-1661ZJ	DS-1673ZJ
			1	B



DS-1604ZJ-BOX- CORNER	DS-1604ZJ-box	DS-1604ZJ-BOX- POLE	DS-1681ZJ	DS-1682ZJ
DS-1667ZJ	DS-1663ZJ	DS-1604ZJ		

^{*}DS-1673ZJ should be used with DS-1661ZJ or DS-1602ZJ.





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