

DS-2DE7A412MCG-EB 4 MP 12 × Network Speed Dome























Hikvision DS-2DE7A412MCG-EB 4 MP 12 × Network Speed Dome adopts 1/1.8" progressive scan CMOS chip. With the 12 × 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.

- 24/7 colorful imaging
- High quality imaging with 4 MP resolution
- 12 × optical zoom and 16 × digital zoom provide close up views over expansive areas
- Audio visual alarm: The white flashing light and audible warning can be triggered by certain events
- Expansive night view with up to 150 m IR distance and 100 m white light
- 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)	744.8 m (2443.6 ft)	295.6 m (969.8 ft)	149.0 m (488.9 ft)	74.5 m (244.4 ft)

Specification

Camera				
Image Sensor	1/1.8" Progressive Scan CMOS			
Max. Resolution	2560 × 1440			
Min. Illumination	Color:0.0005Lux @ (F1.2, AGC ON), B/W:0.0001Lux @ (F1.2, AGC ON), 0 lux with light			
Shutter Speed	1/1 s to 1/30000 s			
Slow Shutter	Yes			
Day & Night	IR cut filter			
Zoom	12 × optical, 16 × digital			
Lens				
Focal Length	6.7 mm to 80.4 mm			
Zoom Speed	Approx. 5.8 s			
	Horizontal field of view: 51.5° to 7.9° (wide-tele),			
FOV	Vertical field of view: 30.3° to 4.4° (wide-tele),			
	Diagonal field of view: 57.9° to 9.0° (wide-tele)			
Aperture	Max. F1.2			
Focus	Auto, semi-auto, manual			
Illuminator				
Supplement Light Range	White light: up to 100 m			
Supplement Light Nange	IR: up to 150 m			
Supplement Light Type	Hybrid(IR and White Light)			
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, patrol scan, 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,		
Video	panorama scan, dome reboot, dome adjust, aux output		
video	FO Har 25 far/2500 (14440 4020 (14000 4200 (1000 4200 (1720)		
Main Stream	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)		
	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, PCM, 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 64		
Audio bit rate	Kbps (AAC-LC)		
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)		
Duetacala	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP,		
Protocols	RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, WebSocket, WebSockets		
ADI	Open Network Video Interface (Version 19.12, Profile S, Profile G, Profile T), ISAPI, SDK,		
API	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		
	(EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest		
Security	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	BLC, HLC, 3D DNR		
Wide Dynamic Range (WDR)	120 dB		
Defog Defog	Digital defog		
Image Stabilization	EIS		
Regional Exposure	Yes		
Regional Focus			
vegional Locas	Yes		



	Caturation brightness contrast charmness gain and white belonge adjustable by			
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by 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			
Reset	Yes			
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 k Ω ± 10%; 1 output (line out), line level, output impedance: 600 Ω			
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			
Alarm 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)			
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			
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. 12 W for IR and max. 2 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 × 357.3 mm (Ø8.66" × 14.07")			
Weight	Approx. 5.5 kg (12.13 lb.)			
Approval				
Protection	IP66 (IEC 60529-2013), IK10 (excluding glass window), TVS 6000V lightning protection, surge protection and voltage transient protection			
EMC	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 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (ICES-003: Issue 6, 2019); KC (KN 32: 2015, KN 35: 2015)			

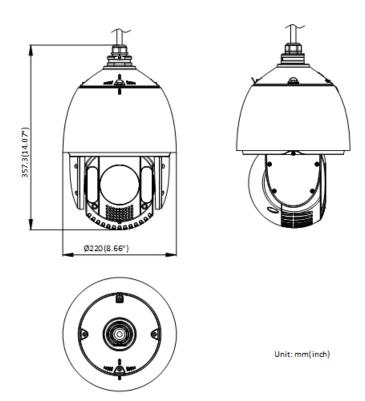


Safety	UL (UL 62368-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 62368-1:2014+A11:2017); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (SANS IEC60950-1)	
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)	

Available Model

DS-2DE7A412MCG-EB

Dimension



- Accessory
- Included



Optional



DS-1663ZJ	DS-1604ZJ	DS-1619ZJ	DS-1681ZJ	DS-1604ZJ-box
Ceiling Mount	Wall Mount	Pendant Mount	DS-1681ZJ	Wall Mount
	Wall Modific			San Modelle
DS-1604ZJ-BOX-	DS-1100KI(B)		DS-1604ZJ-BOX-	
POLE	Network	DS-1682ZJ	CORNER	DS-1681ZJ-2
Pole Mount	Keyboard	DS-1682ZJ	Wall Mount with	转接环
role Would	Reyboard		Junction Box	
DS-1662ZJ	DS-1661ZJ	DS-1660ZJ	DS-1667ZJ	DS-1673ZJ
Pendant Mount	Pendant Mount	Parapet Wall	Pendant Mount	Vertical Pole
		Mount		Mount
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