

DS-2DF8C825IXG-EL 8 MP 25 × Network IR Speed Dome





Hikvision DS-2DF8C825IXG-EL 8 MP 25 \times Network IR Speed Dome adopts 1/1.2" progressive scan CMOS chip. With the 25 \times 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, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations and large venues, etc.

- 1/1.2 " progressive scan CMOS
- High quality imaging with 8 MP resolution
- Excellent low-light performance with DarkFighter technology
- 25 × optical zoom and 16 × digital zoom provide close up views over expansive areas
- Expansive night view with up to 500 m IR distance
- Water and dust resistant (IP67) and vandal resistant (IK10) excluding glass window
- Supports face capture to detect, capture, grade, and select faces in motion
- Supports road traffic to detect vehicles
- Smart Pan-Tilt Correction



Specification

Camera			
Image Sensor	1/1.2 " progressive scan CMOS		
Min. Illumination	Color: 0.002 Lux @(F1.6, AGC ON),B/W: 0.0002 Lux @(F1.6, AGC ON), 0 Lux with IR		
Shutter Speed	1/1 s to 1/30,000 s		
Slow Shutter	Yes		
Day & Night	IR cut filter		
Zoom	25 × optical, 16 × digital		
Max. Resolution	3840 × 2160		
Lens			
Focus	Auto, semi-auto, manual, rapid focus		
Focal Length	7.5mm to 187.5mm, 25 × Optical		
Zoom Speed	Approx. 6.8 s		
	Horizontal field of view: 60.4° to 3.7° (wide-tele),		
FOV	Vertical field of view: 36.2° to 2.1° (wide-tele),		
	Diagonal field of view: 67.8° to 4.3° (wide-tele)		
Aperture	Max. F1.6		
Illuminator			
Supplement Light Type	IR		
Supplement Light Range	up to 500 m		
Smart Supplement Light	Yes		
PTZ			
Movement Range (Pan)	360°,Smart Pan-Tilt Correction		
Movement Range (Tilt)	-20° to 90° (auto flip),Smart Pan-Tilt Correction		
Pan Speed	Pan speed: configurable from 0.1° to 210°/s; preset speed: 280°/s		
Tilt Speed	Tilt speed: configurable from 0.1° to 150°/s, preset speed 250°/s		
Proportional Pan	Yes		
Presets	300		
Patrol Scan	8 patrols, up to 32 presets for each patrol		
Pattern Scan	4 pattern scans, record time over 10 minutes for each scan		
Power-off Memory	Yes		
Park Action	Preset, pattern scan, patrol 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,		
Scheduled Task	panorama scan, dome reboot, dome adjust, aux output		
Video			
Main Stream	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720);		
Wight Stream	60 Hz: 24 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)		
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)		
July July Culli	60 Hz: 24 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: 24 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 Kbps t 64 Kbps(AAC_LC)			
Network				
Network Storage	NAS (NFS, SMB/ CIFS), ANR			
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, WebSocket, WebSockets			
API	ISUP, ISAPI, Hikvision SDK, Open Network Video Interface (Profile S, Profile G, Profile T), OTAP			
Simultaneous Live View	Up to 20 channels			
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 1.3, host authentication (MAC address)			
Client	HikCentral, iVMS-4200, Hik-Connect			
Web Browser	IE11, Chrome 57.0+, Firefox 52.0+, Safari 11+			
Image				
Day/Night Switch	Day, night, auto, scheduled-switch			
Image Enhancement	BLC, HLC, 3D DNR			
Wide Dynamic Range (WDR)	140 dB			
Defog	Optical defog			
Image Stabilization	EIS (Built-in gyroscope to improve EIS performance)			
Regional Exposure	Yes			
Regional Focus	Yes			
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser			
Image Parameters Switch	Yes			
Privacy Mask	Up to 24 masks, mosaic mask, mask color configurable, rectangle region			
SNR	≥ 52 dB			
Interface				
Video Output	1.0 V[p-p]/75 Ω, PAL, NTSC, BNC connector			
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port			
On-board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC cards, up to 256 GB			
Alarm	7 inputs, 2 outputs			



Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K Ω ± 10%; 1		
DC 405	output (line out), line level, output impedance: 600Ω		
RS-485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive		
Event			
Basic Event	motion detection, video tampering alarm, alarm input, alarm output, exception		
	Line crossing detection, region entrance detection, unattended baggage detection,		
Smart Event	object removal detection, intrusion detection, region exiting detection, vandal-proof		
	alarm, audio exception detection		
Smart Tracking	Manual tracking, auto-tracking		
Alarm Linkage	Preset, patrol scan, pattern scan, memory card video recording, alarm output, sending		
	email, notify surveillance center, upload to FTP, NAS video recording, audible warning		
Deep Learning Function			
	Support detecting up to 30 faces at the same time. Support detecting, tracking,		
Face Capture	capturing, grading, selecting of face in motion, and output the best face picture of the		
	face		
Face Comparison	Yes		
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting		
T CHINCLET T TOLECTION	Support alarm triggering by specified target types (human and vehicle)		
Road Traffic and Vehicle Dete	ection		
Road Traffic	Support vehicle detection (license plate number, vehicle model, and vehicle color		
Nodu ITallic	recognition)		
General			
Operating Condition	Temperature: -40°C to 70°C (-40°F to 158°F), Humidity: ≤ 95%		
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,		
Languago	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,		
Language	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,		
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian		
Power Consumption and	24 VAC (Max. 62 W, including max. 12 W for IR and max. 8 W for heater), PoE 802.3 bt		
Current	(Max. 51 W, including max. 12 W for IR and max. 8 W for heater)		
Dimension	Ø 267 mm × 430 mm (Ø 10.51" × 16.93")		
Weight	Approx. 9.6 kg (21.16 lb.)		
Approval			
	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);		
EMC	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)		
	CE-RoHS (2011/65/EU); WEEE (2012/19/EU);		
Environment	Reach (Regulation (EC) No 1907/2006)		



B	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), 6000V Lightning Protection, Surge
Protection	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.

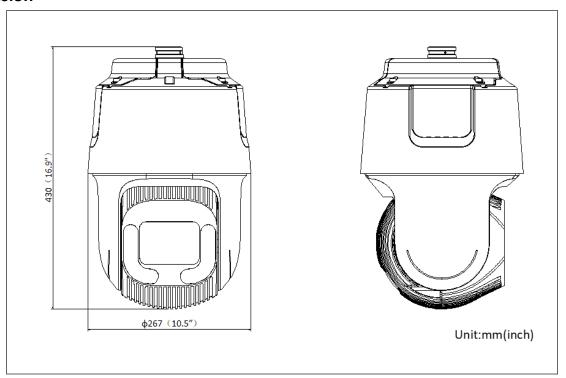
It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	3750 m (12303.1 ft.)	1488.1 m (4882.2 ft.)	750 m (2460.6 ft.)	375 m (1230.3 ft.)

Available Model

DS-2DF8C825IXG-EL

Dimension



Accessory

Optional

DS-1603ZJ-P	DS-1603ZJ-Pole-P	DS-1661ZJ-P
Wall Mount	Vertical Pole Mount	Pendant Mount









Headquarters No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China T +86-571-8807-5998 www.hikvision.com

Follow us on social media to get the latest product and solution information.





HikvisionHQ



HikvisionHQ



Hikvision_Global





hikvisionhq