# **HIKVISIO**N<sup>®</sup>

## DS-2DF8C842IXS-AELW(T2) 8 MP 42 × Network IR Speed Dome





Hikvision DS-2DF8C842IXS-AELW(T2) 8 MP 42 × Network IR Speed Dome adopts 1/1.2" progressive scan CMOS chip. With the 42 × 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
- Up to 3840 × 2160 resolution
- Min. Illumination: Color: 0.002 Lux @(F1.6, AGC ON), B/W: 0.0002 Lux @(F1.6, AGC ON), 0 Lux with IR
- 42× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, EIS, HLC, Smart IR
- 24 VAC & Hi-PoE
- Up to 500 m IR distance
- Support H.265+/H.265 video compression
- Support rapid focus
- IP67
- Support detecting up to 30 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face.
- Support vehicle detection (license plate number, vehicle model, and vehicle color recognition)
- Person arming: supports real-time modeling and comparison, arms and tracks predefined persons, and uploads the longitude and latitude information of the target during tracking
- Vehicle arming: supports vehicle detection and license plate recognition, arms and tracks predefined vehicles, and uploads the longitude and latitude information of the target during tracking





## Specification

Camera Module				
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			
Focus	, semi-auto, manual, auto			
Day & Night	ICR			
Day/Night Switch	day, night, auto, scheduled-switch			
BLC	yes			
WDR	120 dB WDR			
HLC	yes			
3D DNR	yes			
Defog	yes			
EIS	Yes. Built-in gyroscope to improve EIS performance.			
Regional Exposure	yes			
Regional Focus	yes			
Image Settings	saturation, brightness, contrast, sharpness			
White Balance	auto, ATW, sodium lamp, fluorescent lamp, indoor, outdoor, MWB			
Digital Zoom	16 ×			
Optical Zoom	42 ×			
Privacy Mask	up to 24 masks, polygon region, mosaic mask, mask color configurable			
SNR	≥ 55 dB			
General Function	mirror, password protection, video tampering alarm, watermark, IP address filter			
Optical Defog	yes			
Lens				
Focal Length	7.5mm to 315mm, 42 × Optical			
Zoom Speed	approx. 7.5 s			
	Horizontal field of view: 60.4° to 1.7° (wide-tele),			
FOV	Vertical field of view: 36.2° to 0.9° (wide-tele),			
	Diagonal field of view: 67.8° to 2.2° (wide-tele)			
Aperture	F1.6			
PTZ				
Movement Range (Pan)	360°			
Movement Range (Tilt)	-20° to 90° (auto flip)			
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 Zoom	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			
,	preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan,			
Park Action	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				
Max. Resolution	3840 × 2160			
Main Stroom	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720);			
Main Stream	60 Hz: 30 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720),			
Sub Stroom	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)			
Sub-Stream	60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)			
Third Stroom	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)			
Third Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)			
Video Compression	H.265, H.264, MJPEG			
Video Bit Rate	32 Kbps to 16384 Kbps			
VIGCO DICINALC	52 Kbps to 10564 Kbps			



	main mafile				
H.265 Type H.264+	main profile				
H.265+	yes				
	yes				
SVC	yes durantia face tradition final region, durantia license plate tradition				
ROI	dynamic face tracking, fixed region, dynamic license plate tracking				
Audio					
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM				
Audio Bit rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 Kbps to 192 Kbps(MP2L2)				
Smart Features					
Face Capture	Support detecting up to 30 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face.				
Face Comparison	yes				
Road Traffic	Support vehicle detection (license plate number, vehicle model, and vehicle color recognition)				
Basic Event	motion detection, video tampering alarm, alarm input and output, exception				
Smart Event	unattended baggage detection, object removal detection, intrusion detection, line crossing detection, region entrance detection, region exiting detection, audio exception detection, vandal-proof alarm				
Smart Tracking	manual tracking, panorama tracking, event tracking, support patrol tracking among multiple detection scenes				
Smart Record	ANR, Dual-VCA				
Alarm Linkage	preset, patrol scan, pattern scan, memory card video recording, alarm output, sending email, notify surveillance center, upload to FTP, NAS video recording				
Network					
Network Storage	NAS (NFS, SMB/ CIFS)				
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, UDP, IGMP, ICMP, Bonjour				
ΑΡΙ	Open-ended API, ONVIF (Profile S, Profile G), ISAPI, Hikvision SDK, Third-party management platform, ISUP				
Simultaneous Live View	Up to 20 channels				
User/Host	Up to 32 users. 3 levels: Administrator, Operator and User				
Smooth Streaming	yes				
Security Measures	Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter				
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect				
Web Browser	IE 10+, Chrome 57+, Firefox 52+, Safari 12+				
Interface					
Communication Interface	RJ45,Self-adaptive 10M/100M Ethernet port				
On-board Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR				
Alarm Input	7 alarm inputs				
Alarm Output	2 alarm outputs				
Audio Input	1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%				
Audio Output	1 audio output, line level, impedance: 600 $\Omega$				
Video Output	1.0V[p-p]/75Ω,PAL,NTSC,BNC connector				
RS-485	HIKVISION, Pelco-P, Pelco-D, self-adaptive				
Supplement Light					
IR Distance	500 m				
Smart IR	yes				
General					
Power	24 VAC (Max. 60 W, including max. 15 W for IR and max. 8 W for heater), PoE 802.3 bt (Max. 51 W, including max. 15 W for IR and max. 8 W for heater)				
Operating Conditions	Temperature: -40°C to 70°C (-40°F to 158°F) , Humidity: $\leq 95\%$				
Wiper	Yes. Rain-sensing auto control				
Material	ADC12				
Dimensions	Φ 267 mm × 430 mm (Φ 10.51" × 16.93")				
Weight	Approx. 9.6 kg (21.16 lb.)				
weight	whhiny 2.0 kg (51.10 m.)				



Web Client Language	32 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
Approval	
Protection Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line Gnd, ±3kV Line to Line, IEC61000-4-5, IP67 Standard	

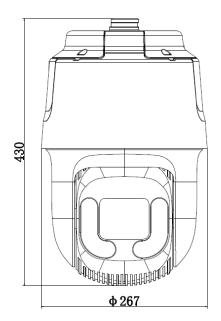
#### DORI

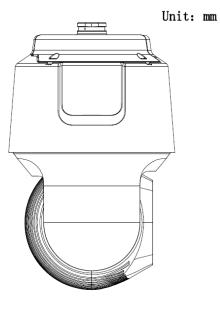
The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view.

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)	4137.9 m (13575.8 ft)	1642 m (5387.1 ft)	827.6 m (2715.2 ft)	413.8 m (1357.6 ft)

#### Dimension





### Accessory

Optional



Available Model

DS-2DF8C842IXS-AELW (T2)



Distributed by

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