

DS-2DF8C442IXS-AELW(T2) 4 MP 42 × Network IR Speed Dome

























Hikvision DS-2DF8C442IXS-AELW(T2) 4 MP 42 × Network IR Speed Dome adopts 1/1.8" 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 rivers, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations and large venues, etc.

- 1/1.8" Progressive Scan CMOS
- Up to 2560 × 1440 resolution
- Min. Illumination: Color: 0.002 Lux @(F1.2, AGC ON),B/W: 0.0002 Lux @(F1.2, AGC ON),0 Lux with IR
- 42× optical zoom, 16× digital zoom
- 140 dB WDR, 3D DNR, EIS, HLC, Smart IR
- 24 VAC & PoE 802.3 bt
- Up to 500 m IR distance
- Support H.265+/H.265 video compression
- Support rapid focus
- IP67, IK10 (excluding glass window)
- 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

Image Sensor Min. Illumination Shutter Speed Slow Shutter Focus Day & Night Day/Night Switch BLC WDR HLC 3D DNR Defog	1/1.8" progressive scan CMOS Color: 0.002 Lux @ (F1.2, AGC ON) B/W: 0.0002 Lux @ (F1.2, AGC ON), 0 Lux with IR 1/1 s to 1/30,000 s yes semi-auto, manual, auto ICR day, night, auto, scheduled-switch yes				
Min. Illumination Shutter Speed Slow Shutter Focus Day & Night Day/Night Switch BLC WDR HLC 3D DNR	Color: 0.002 Lux @ (F1.2, AGC ON) B/W: 0.0002 Lux @ (F1.2, AGC ON), 0 Lux with IR 1/1 s to 1/30,000 s yes semi-auto, manual, auto ICR day, night, auto, scheduled-switch yes				
Shutter Speed Slow Shutter Focus Day & Night Day/Night Switch BLC WDR HLC 3D DNR	1/1 s to 1/30,000 s yes semi-auto, manual, auto ICR day, night, auto, scheduled-switch yes				
Slow Shutter Focus Day & Night Day/Night Switch BLC WDR HLC 3D DNR	yes semi-auto, manual, auto ICR day, night, auto, scheduled-switch yes				
Focus Day & Night Day/Night Switch BLC WDR HLC 3D DNR	isemi-auto, manual, auto ICR day, night, auto, scheduled-switch yes				
Day & Night Day/Night Switch BLC WDR HLC 3D DNR	ICR day, night, auto, scheduled-switch yes				
Day/Night Switch BLC WDR HLC 3D DNR	day, night, auto, scheduled-switch yes				
BLC WDR HLC 3D DNR	yes				
WDR HLC 3D DNR					
HLC 3D DNR	140 dB WDR				
3D DNR	yes				
	yes				
LICIUE	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	up to 24 masks, polygon region, mosaic mask, mask color configurable ≥ 55 dB				
General Function	mirror, password protection, video tampering alarm, watermark, IP address filter				
Optical Defog	yes				
Lens	yes				
Focal Length	6.0 mm to 252 mm, 42 × Optical				
Zoom Speed	approx. 4.9 s				
200111 Speed	Horizontal field of view: 56.6° to 1.7° (wide-tele),				
FOV	Vertical field of view: 33.7° to 0.9° (wide-tele), Diagonal field of view: 63.4° to 1.9° (wide-tele)				
Aperture	F1.2				
PTZ	1 1.6				
Movement Range (Pan)	260°				
Movement Range (Tilt)	360°				
= : :	-20° to 90° (auto flip)				
Pan Speed Tilt Speed	pan speed: configurable from 0.1° to 210°/s; preset speed: 280°/s				
Proportional Zoom	tilt speed: configurable from 0.1° to 150°/s, preset speed 250°/s				
Presets	yes				
	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				
Park Action	Scan/Panorama Scan				
2D Docitioning	·				
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	panorama scan, dome reboot, dome adjust, adv. output				
Max. Resolution	2560 × 1440				
iviax. Resolution	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720);				
	50 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720);				
Main Stream	60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)				
	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)				
Sub-Stream	60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)				
	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 × 376, 640 × 480, 352 × 288				



32 kbps to 16384 kbps			
baseline profile, main profile, high profile			
main profile			
yes			
yes			
yes			
dynamic face tracking, fixed region, dynamic license plate tracking			
dynamic race tracking, fixed region, dynamic license plate tracking			
G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM			
64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 Kbps to 192 Kbps(MP2L2)			
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.			
yes			
Support vehicle detection (license plate number, vehicle model, and vehicle color recognition)			
motion detection, video tampering alarm, alarm input and output, exception			
unattended baggage detection, object removal detection, intrusion detection, line crossing detection, region entrance detection, region exiting detection, audio exception detection, vandal-proof alarm			
manual tracking, panorama tracking, event tracking, support patrol tracking among multiple detection scenes			
ANR, Dual-VCA			
preset, patrol scan, pattern scan, memory card video recording, alarm output, sending email, notify surveillance center, upload to FTP, NAS video recording			
NAS (NFS, SMB/ CIFS)			
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			
Open-ended API, ONVIF (Profile S, Profile G), ISAPI, Hikvision SDK, Third-party management platform, ISUP			
Up to 20 channels			
Up to 32 users. 3 levels: Administrator, Operator and User			
yes			
Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter			
iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect			
IE 10+, Chrome 57+, Firefox 52+, Safari 12+			
RJ45, self-adaptive 10M/100M Ethernet port			
Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR			
7 alarm inputs			
2 alarm outputs			
1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%			
1 audio output, line level, impedance: 600Ω			
1.0V[p-p]/75Ω,PAL,NTSC,BNC connector			
HIKVISION, Pelco-P, Pelco-D, self-adaptive			
500 m			
yes			
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)			
LUNION TO VY THE HUMBER HOOK TO VY THE HEADEN AND THE HEADEN TO VY THE HEADEN TO			
Temperature: -40°C to 70°C (-40°F to 158°F), Humidity: ≤ 95%			
Temperature: -40°C to 70°C (-40°F to 158°F), Humidity: ≤ 95% Yes. Rain-sensing auto control			
Temperature: -40°C to 70°C (-40°F to 158°F), Humidity: ≤ 95%			



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 Lin Gnd, ±3kV Line to Line, IEC61000-4-5, IP67 Standard, IK10 (excluding glass windo	

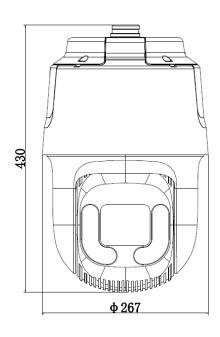
DORI

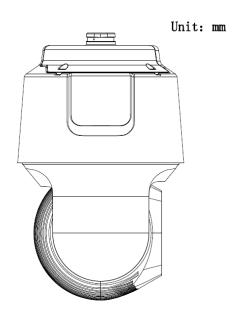
The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view.

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)	2979.3 m (9774.6 ft)	1182.3 m (3878.9 ft)	595.9 m (1955.1 ft)	297.9 m (977.4 ft)

Dimension





Accessory

Included





Optional DS-1604ZJ-P DS-1663ZJ-P DS-1660ZJ-P DS-1661ZJ-P DS-1619ZJ-HP2 DS-1604ZJ-Pole-DS-1604ZJ-DS-1662ZJ-P DS-1667ZJ-P DS-1682ZJ-P Ρ **Corner-P** HKKD-13002 (EU) A24-5A-950 LAS60-57CN-RJ4 DS-1604ZJ-BOX-DS-1604ZJ-BOX-DS-1604ZJ-BOX-(USA) Ρ **CORNER-P** POLE-P 5 MKAC-76-245000 V (UK)

Available Model

DS-2DF8C442IXS-AELW (T2)



Distributed by

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