HIKVISION®

DS-2DF6A836X-AEL(T5)
8 MP 36× Network Speed Dome

Hikvision DS-2DF6A836X-AEL(T5) 8MP 36× Network Speed Dome adopts 1/1.8" progressive scan CMOS chip. With the 36× 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.

- 1/1.8" Progressive Scan CMOS
- High quality imaging with 8 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- 36× optical zoom and 16× digital zoom provide close up views over expansive areas
- Supports rapid focus
- Water and dust resistant (IP67) and vandal proof (IK10)
- Supports face capture to detect, capture, grade, and select faces in motion
- Supports road traffic to detect vehicles

▪ 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)	4300 m (14107.6 ft)	1706.3 m (5598.1 ft)	860 m (2821.5 ft)	430 m (1410.8 ft)

▪ Specification

Camera	
Image Sensor	1/1.8" progressive scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0.0005 Lux @ (F1.2, AGC ON)
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	140 dB WDR
HLC	Yes
3D DNR	Yes
Defog	Yes
EIS	Yes. Built-in gyroscope to improve EIS performance.
Regional Exposure	Yes
Regional Focus	Yes
White Balance	Auto, ATW, sodium lamp, fluorescent lamp, indoor, outdoor, MWB, locked WB
Digital Zoom	16x
Optical Zoom	36x
Privacy Mask	Up to 24 masks, polygon region, mosaic mask, mask color configurable
SNR	≥ 52 dB
General Function	Mirror, password protection, watermark, IP address filter
Optical Defog	Yes
Lens	
Focal Length	6.0 mm to 216 mm, 36× Optical
Zoom Speed	Approx. 4.5 s
FOV	Horizontal field of view: 56.6° to 1.7° (wide-tele), 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	
Movement Range (Pan)	360°
Movement Range (Tilt)	-20° to 90° (auto flip)
Pan Speed	Pan speed: configurable from 0.1° to 300°/s; preset speed: 540°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 240°/s, preset speed 400°/s

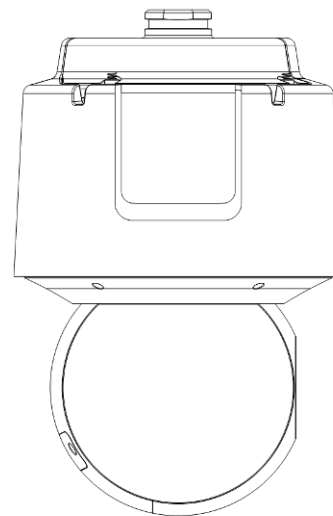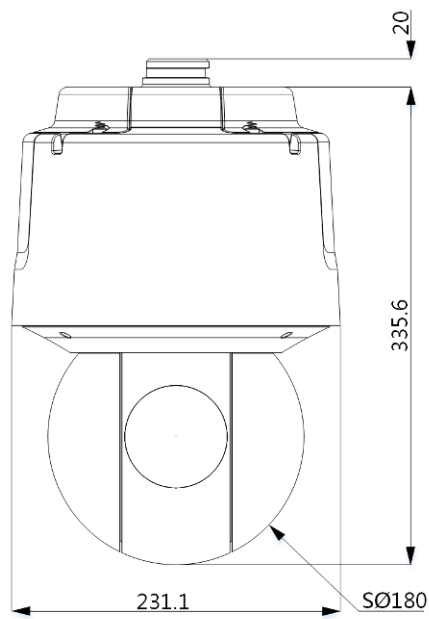|	
Proportional Zoom	Yes
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans, record time over 10 minutes for each scan
Power-off Memory	Yes
Park Action	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan
3D Positioning	Yes
PTZ Status Display	Yes
Preset Freezing	Yes
Scheduled Task	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output
Video	
Max. Resolution	3840 × 2160
Main Stream	50 Hz: 25 fps (3840 × 2160, 2560×1440, 1920×1080, 1280×960, 1280×720) 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) 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)
Video Compression	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
H.264+	Yes
H.265+	Yes
SVC	Yes
ROI	Fixed region
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 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
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	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, vandal-proof alarm, audio exception detection
Smart Tracking	Manual tracking, event tracking, auto-tracking
Smart Record	ANR, Dual-VCA

Alarm Linkage	Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc.
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, DHCP, PPPoE, UDP, IGMP, ICMP, Bonjour
API	Open-ended API, ISAPI, Hikvision SDK, Third-party management platform, ISUP, Open Network Video Interface (Profile S, Profile G, Profile T)
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users. 3 levels: Administrator, Operator and User
Smooth Streaming	Yes
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
Client	iVMS-4200, Hik-Connect, Hikcentral
Web Browser	IE11, Chrome 57.0+, Firefox 52.0+, Safari 11+
Interface	
Communication Interface	RJ45, self-adaptive 10M/100M Ethernet port
On-board Storage	Built-in memory card slot, support MicroSD/MicroSDHC/MicroSDXC, 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 Ω
Video Output	1.0V[p-p]/75Ω, PAL, NTSC, BNC connector
RS-485	HIKVISION, Pelco-P, Pelco-D, self-adaptive
General	
Power	24 VAC ± 25% (Max. 45 W, including max. 6 W for heater), Hi-PoE (Max. 50 W, including max. 6 W for heater)
Operating Conditions	Temperature: -40°C to 70°C (-40°F to 158°F), Humidity: ≤ 95%
Dimensions	⌀ 231.1 mm × 355.6 mm (⌀ 9.10" × 14")
Weight	Approx. 6 kg (13.23 lb.)
Web Client Language	33 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), Ukrainian
Approval	
EMC	FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (ICES-003: Issue 7); KC (KN 32: 2015, KN 35: 2015)

Safety	UL (UL 62368-1)
	CB (IEC 62368-1:2014+A11);
	CE-LVD (EN 62368-1:2014+A11:2017),
	BIS (IS 13252(Part 1):2010/ IEC 60950-1: 2005);
	LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU);
	Reach (Regulation (EC) No 1907/2006)
Protection	Lightning Protection, Surge Protection and Voltage Transient Protection, ±6 kV Line to Gnd, ±3kV Line to Line, IK10 (IEC 62262:2002), IP67 (IEC 60529-2013)
Smart Features	
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting
	Support alarm triggering by specified target types (human and vehicle)

▪ **Available Model**

DS-2DF6A836X-AEL (T5)

▪**Dimension**

Unit:mm

- **Accessory**
- **Optional**

DS-1667ZJ-P Pendant Mount	DS-1604ZJ-BOX-POLE-P Vertical pole mount	DS-1604ZJ-Corner-P Corner mount	DS-1673ZJ-P Vertical pole mount	DS-1604ZJ-Pole-P Vertical pole mount

DS-1663ZJ-P In-ceiling mount	DS-1682ZJ-P Pendant Mount	DS-1662ZJ-P Pendant Mount

Distributed by

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