DS-2DF6C432IXG1/LM-EL

DeepinViewX DF6C Series 4MP 32X DarkFighter IR Network Speed Dome

Hikvision 4 MP 32× Network IR Speed Dome adopts 1/1.8" progressive scan CMOS chip. With the 32 × 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.
Hikvision has been dedicated to develop products with security since established.
Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- 1/1.8" progressive scan CMOS
- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter 2.0 technology
- Clear imaging against strong back light due to 150 dB AWDR technology
- 32 × optical zoom and 16 × digital zoom provide close up views over expansive areas
- Expansive night view with up to 250 m IR distance
- Water and dust resistant (IP67) and vandal proof (IK10) excluding glass window
- Dedicated large scale AI model for perimeter protection

▪ Specification

Camera	
Image Sensor	1/1.8" progressive scan CMOS
Min. Illumination	Color: 0.0005 Lux @ (F1.5, AGC ON), B/W: 0.0001 Lux @ (F1.5, 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	32x optical, 16x digital
Max. Resolution	2688 × 1520
Lens	
Focus	Auto, semi-auto, manual, rapid focus
Focal Length	5.9 mm to 188.8 mm, 32× Optical
Zoom Speed	Approx. 5.6 s (optical, wide-tele)
FOV	Horizontal field of view: 58.8° to 3.1° (wide-tele), Vertical field of view: 34.4° to 1.7° (wide-tele), Diagonal field of view: 66° to 3.5° (wide-tele)
Aperture	Max. F1.5
Illuminator	
Supplement Light Type	IR
Supplement Light Range	IR Distance: up to 250 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 300°/s; preset speed: 400°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 200°/s, preset speed 300°/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, panorama scan, dome reboot, dome adjust, aux output

DORI	
O2DCPVS	Wide: Overview: 101.7 m, Outline: 50.9 m, Discern: 25.4 m, Perceive: 16.3 m, Characterize: 8.1 m, Validate: 4.1 m, Scrutinize: 1.4 m Tele: Overview: 3255.2 m, Outline: 1627.6 m, Discern: 813.8 m, Perceive: 520.8 m, Characterize: 260.4 m, Validate: 130.2 m, Scrutinize: 43.4 m The OODPCVS values are calculated using pixel densities for different use cases as recommended by the IEC/EN 62676-4: 2025 standard. IEC 62676-4:2025 describes the planning, design, installation, testing, commissioning, and maintaining of video surveillance systems (VSS) comprising image capture device(s), interconnection(s) and image handling device(s), for use in security applications within private or public spaces.
Video	
Main Stream	50 Hz: 50 fps (2688 × 1520, 2560 × 1440), 100 fps (1280 × 720); 60 Hz: 60 fps (2688 × 1520, 2560 × 1440), 120 fps (1280 × 720) *High frame rate is supported under monitoring mode only.
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)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 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
Target Cropping	No
Guanlan AI Encoding	Yes
Audio	
Audio Compression	G.711,G.722.1,G.726,MP2L2,PCM,MP3,AAC
Audio Bit Rate	64 Kbps(G.711)/16 Kbps(G.722.1)/16 Kbps(G.726)/16~64 Kbps(AAC-LC)/8~320 Kbps(MP3)/32~192 Kbps(MP2L2)
Audio Sampling Rate	MP2L2: 16kHz, 32kHz, 48kHzAAC-LC: 16kHz, 32kHz, 48kHzPCM: 8kHz, 16kHz, 32kHz, 48kHzMP3: 8kHz, 16KHz, 32KHz, 48KHz
Environment Noise Filtering	Yes
Network	
Smooth Streaming	Yes
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,WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS,control timeout settings,security audit log,TLS 1.3,host authentication (MAC address),TPM 2.0 (FIPS 140-2 level 2)
Network Storage	NAS (NFS, SMB/ CIFS), ANR
Protocols	UDP,PPPoE,SSL/TLS,SMTP,DHCP,HTTP,DDNS,SFTP,TCP/IP,WebSocket,IGMP,DNS,IPv4,QoS,SNMP,UPnP,WebSockets,ICMP,FTP,IPv6,RTP,HTTPS,RTSP,RTCP,NTP,802.1X

API	ISUP, ISAPI, Hikvision SDK, Open Network Video Interface (Profile S, Profile G, Profile T, Profile M),OTAP, EZVIZ
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users. 3 levels: Administrator, Operator and User
Client	HikCentral, iVMS-4200, Hik-Connect
Web Browser	Chrome 57.0+, Firefox 52.0+, Safari 11+
Image	
Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Day/Night Switch	Day,night,auto,schedule
Image Enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	150 dB WDR
Defog	Digital defog
Image Stabilization	Yes. Built-in gyroscope to improve EIS performance.
Regional Exposure	Yes
Regional Focus	Yes
Privacy Mask	Up to 24 masks, polygon region, mosaic mask, mask color configurable
SNR	≥ 52 dB
Supplement Detection	
Gyroscope	Yes
Satellite Positioning	No
Compass	No
Interface	
Reset	Yes
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in memory card slot, support MicroSD/MicroSDHC/MicroSDXC, up to 1 TB
Alarm	7 inputs, 2 outputs
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω
Video Output	No
RS-485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive
Large Models	
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle) Support combined event alarm triggering Perimeter Protection Dedicated large scale AI model for perimeter protection, reduce false alarms by 90% compared to conventional AI cameras (Wide) VCA range: up to 60 m(nighttime)/100 m(daytime) (Tele) VCA range: up to 250 m Result based on standard setup and test environment
Event	
Basic Event	alarm input and output, video tampering alarm,exception(HDD full,HDD error,network disconnected,IP address conflict,illegal login,abnormal restart),Motion detection

Smart Event	loitering detection,people gathering detection,fast moving detection,parking detection,object removal detection,unattended baggage detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger recording,and PTZ actions (such as preset, patrol scan, pattern scan),trigger alarm output,audible warning
Deep Learning Function	
Multi-Target-Type Detection	Supports simultaneous detection and capture of human body, face and vehicle, Gets 7 face features, 13 human body features and 3 vehicle features,Supports counting the number of line crossing targets by type, including human body, non-motor vehicle, motor vehicle
Linkage and Tracking	
Smart Tracking	Manual tracking, auto-tracking
General	
Vandal-proof Alarm	No
Heater	Yes
Wiper	Yes
De-icing	No
Demist	Yes
General Function	Mirror, password protection, watermark, IP address filter
Power	36 VDC± 25%, max. 60 W (Max. 45 W, including max. 7 W for IR and max. 8 W for heater) PoE 802.3bt, type3, class5, max. 45W (Max. 45 W, including max. 7 W for IR and max. 8 W for heater)
Operating Condition	Temperature: -40°C to 70°C (-40°F to 158°F), Humidity: ≤ 95%
Dimension	Ø218.4 mm × 324.5 mm (Ø8.6" × 12.77")
Weight	Approx. 5 kg (11.02 lb.)
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	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)
Safety	CB (IEC 62368-1:2014+A11); CE-LVD (EN 62368-1:2014+A11:2017)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 Standard, Lightning Protection, Surge Protection and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line, IEC61000-4-5, IK10

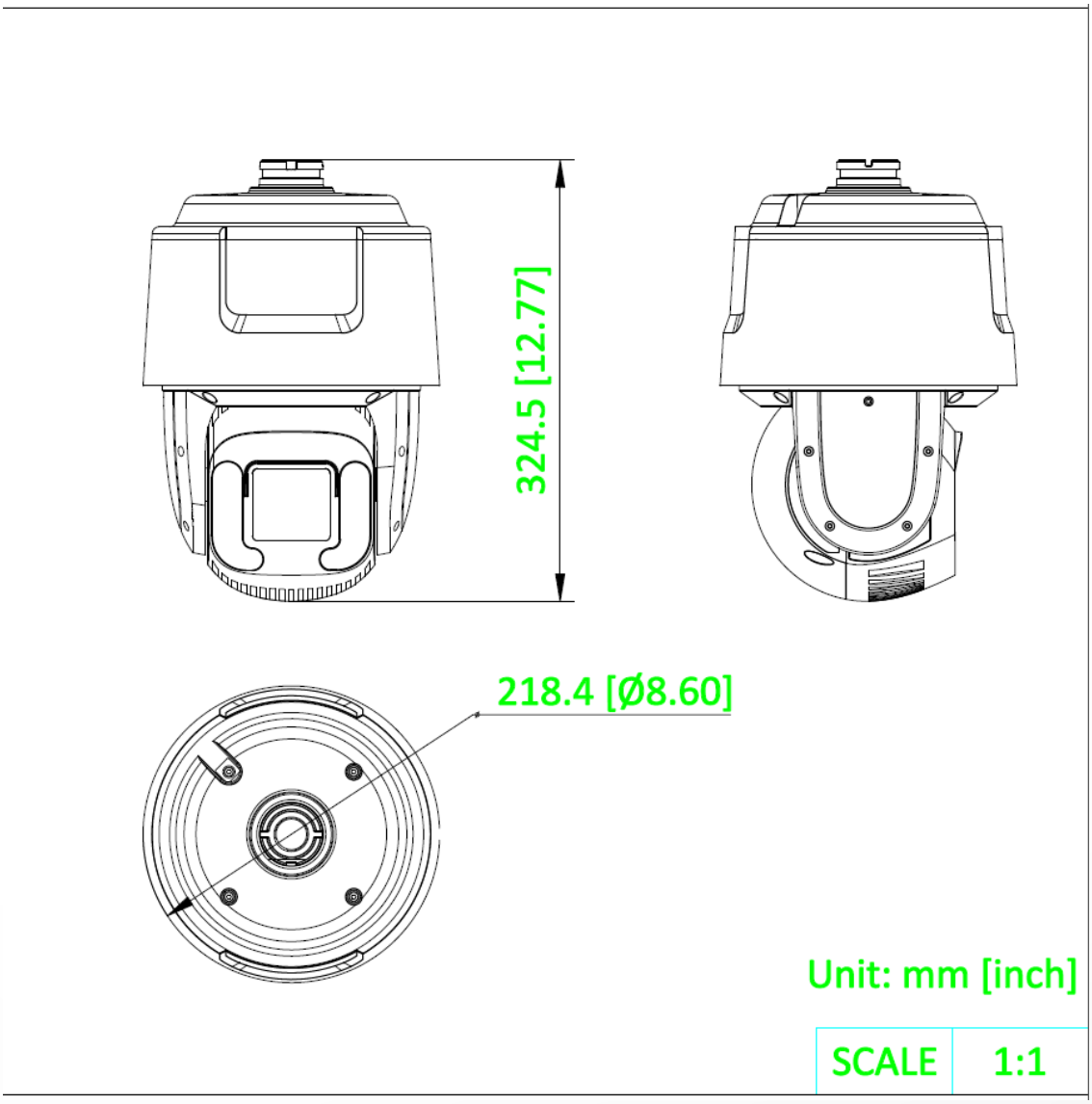
▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

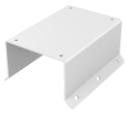
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Dimension

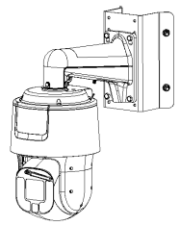
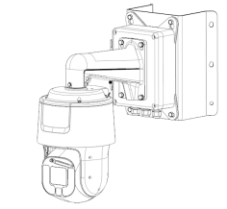
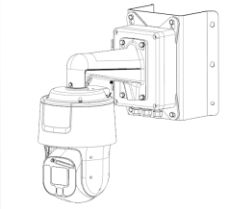
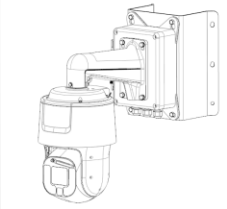
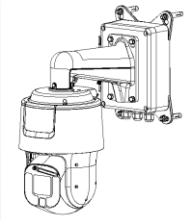


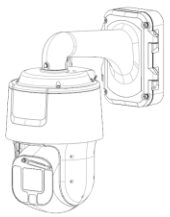
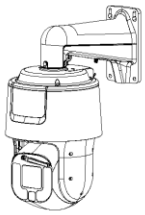
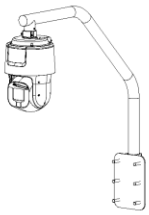
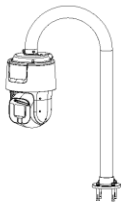
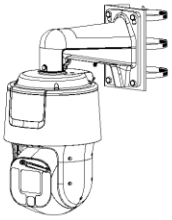
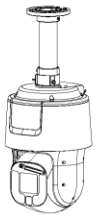
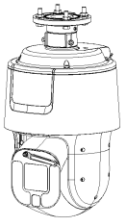
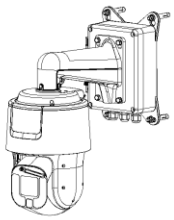
▪ Accessory

▪ Optional

DS-1276ZJ	DS-1604ZJ-box	DS-1604ZJ-BOX-CORNER	DS-4660ZJ-WC	DS-1660ZJ
				
DS-1604ZJ-BOX-POLE	**DS-1619ZJ**	**DS-1661ZJ**	**DS-1663ZJ**	**DS-1604ZJ-corner**
DS-1662ZJ	**DS-1684ZJ**	**DS-4650ZJ-WC**	**DS-1604ZJ-pole**	**DS-1673ZJ**
DS-1604ZJ	**DS-1674ZJ**	**DS-1667ZJ**	**DS-1602ZJ**	

▪ Installation Methods

Corner Mounting DS-1276ZJ+DS-1602ZJ	Corner Mounting DS-1604ZJ-BOX-CORNER	Corner Mounting DS-4660ZJ-WC+DS-1602ZJ+DS-1674ZJ	Corner Mounting DS-1604ZJ-corner	Wall Mounting DS-1604ZJ-box
				

Wall Mounting DS-1604ZJ	Wall Mounting DS-1602ZJ	Gooseneck Mounting DS-1660ZJ	Gooseneck Mounting DS-1619ZJ	Vertical Pole Mounting DS-1604ZJ-BOX-POLE
				
Vertical Pole Mounting DS-1684ZJ+DS-1602ZJ	**Vertical Pole Mounting DS-4650ZJ-WC+DS-1674ZJ+DS-1602ZJ**	**Vertical Pole Mounting DS-1604ZJ-pole**	**Pendant Mounting DS-1661ZJ**	**Pendant Mounting DS-1663ZJ**
				
Pendant Mounting DS-1662ZJ	**Pendant Mounting DS-1667ZJ**	**Horizontal Pole Mounting DS-1673ZJ+DS-1663ZJ**	**Junction Box DS-1674ZJ+DS-1602ZJ**	
				

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