HIKVISION®

DS-2DV6C425MXG-ELW/4G
4G Vibration Resistant 6C Series 4MP 25X Darkfighter Network Speed Dome

DarkFighter 2.0

Hikvision DS-2DV6C425MXG-ELW/4G 4 MP 25 × IR Network Speed Dome adopts 1/1.8" progressive scan CMOS chip. With the 25 × 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
- 25 × optical zoom and 16 × digital zoom provide close up views over expansive areas
- Excellent low-light performance via DarkFighter 2.0 technology
- Expansive night view with up to 50 m white light distance and 200 m IR distance
- Supports low latency, camera decoding with a delay as low as 100 ms
- Smart Pan-Tilt Correction
- Built-in gyroscope to ensure stable image output
- Water and dust resistant (IP67)

▪ Specification

Camera	
Image Sensor	1/1.8 " progressive scan CMOS
Max. Resolution	2688 × 1520
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	1/30 s to 1/30,000 s
Day & Night	ICR
Zoom	25 × optical,16 × digital
Slow Shutter	yes
Lens	
Focal Length	5.9mm to 147.5 mm
FOV	Horizontal field of view: 58.8° to 3.1°, vertical field of view: 34.4° to 1.7°, diagonal field of view: 66.0° to 3.5°
Focus	Auto,semi-auto,manual,rapid focus
Aperture	F1.5
Zoom Speed	Approx. 4.8 s
Illuminator	
Supplement Light Range	IR distance: up to 200 m,White light distance: up to 50 m
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: 210°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 150°/s, preset speed 150°/s
Proportional Pan	yes
Presets	300
Preset Freezing	yes
Patrol Scan	8 patrols, up to 32 presets for each patrol
Park Action	Preset,patrol scan
3D Positioning	yes
PTZ Status Display	yes
Scheduled Task	Preset,patrol scan,dome reboot,dome adjust,aux output
Power-off Memory	yes
Video	
Main Stream	50 Hz: up to 75 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: up to 90 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 960, 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)	yes
Region of Interest (ROI)	fixed region
Audio	
Audio Compression	G.711,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 to 64 Kbps(AAC-LC)
Network	
Protocols	TCP/IP,HTTP,HTTPS,FTP,SFTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP,NTP,UPnP,SMTP,SNMP, QoS,IPv4/IPv6,UDP,ISUP,SSL/TLS,WebSocket,WebSockets,ARP,SRTP,ICMP,IGMP
Simultaneous Live View	Up to 20 channels
API	ONVIF (Profile S, Profile G, Profile T, Profile M),ISAPI,SDK,ISUP
User/Host	Up to 32 users. 3 levels: Administrator, Operator and User
Security	Password protection,complicated password,HTTPS encryption,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)
Client	iVMS-4200,Hik-Connect,HikCentral Pro
Web Browser	Chrome 57.0+, Firefox 52.0+, Safari 11+
AI Open Platform	
Model Specification	Up to 4 models, Model type: detection model, classification model, mixed model (detection model and classification model)
Wireless (Mobile Communication)	
Mobile Communication Type	4G
Frequency	824 MHz~960 MHz，1710 MHz~2170 MHz，2300 MHz~2400 MHz，2500 MHz~2690 MHz
SIM	nano SIM
Image	
Day/Night Switch	day, night, auto, scheduled-switch
SNR	≥52dB
Defog	Optical defog
Wide Dynamic Range (WDR)	150 dB
Image Stabilization	EIS (Built-in gyroscope to improve EIS performance)
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable
Regional Focus	yes
Regional Exposure	yes
Interface	
Ethernet Interface	RJ45, self-adaptive 10M/100M Ethernet port
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
Alarm	7 alarm inputs, 2 alarm outputs
RS-485	HIKVISION, Pelco-P, Pelco-D, self-adaptive

On-board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 TB .
Event	
Basic Event	Motion detection,video tampering alarm,exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error),alarm input and output,vandal-proof alam,audio exception detection,unattended baggage detection, object removal detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,smart tracking,audible warning
Deep Learning Function	
Perimeter Protection	Line crossing detection, region entrance detection, intrusion detection, region exiting detection
Linkage and Tracking	
Smart Tracking	Manual tracking, auto-tracking 3.0
Object Tracking	Support person arming. When the device detects the armed face or human body in the monitoring scene, it triggers alarms, and tracks and captures the target. During the tracking, the target location and other related information are uploaded.
General	
Power	36 VDC± 25%, max. 60 W (Max. 36 W, including max. 6.4 W for IR and max. 8 W for heater) PoE 802.3bt, type4, class7, max. 60W (Max. 36 W, including max. 6.4 W for IR and max. 8 W for heater)
Dimension	Ø214.9 mm × 288.3 mm (Ø8.5" × 11.3")
Weight	Approx. 6.1 kg (13.45 lb.)
Operating Condition	Temperature: -40°C to 70°C (-40°F to 158°F) , Humidity: ≤ 95%
General Function	mirror, password protection, watermark, IP address filter
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
Heater	Yes
Wiper	Yes
Approval	
Safety	CB (IEC 62368-1: 2014 + A11),CE-LVD (EN 62368-1: 2014/A11: 2017)
EMC	CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013 + A1: 2019, EN 50130-4: 2011 + A1: 2014)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013)

▪ 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) | 2034.5 m (6674.87 ft) | 807.3 m (2648.62 ft) | 406.9 m (1334.97 ft) | 203.4 m (667.32 ft) |

▪ 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.
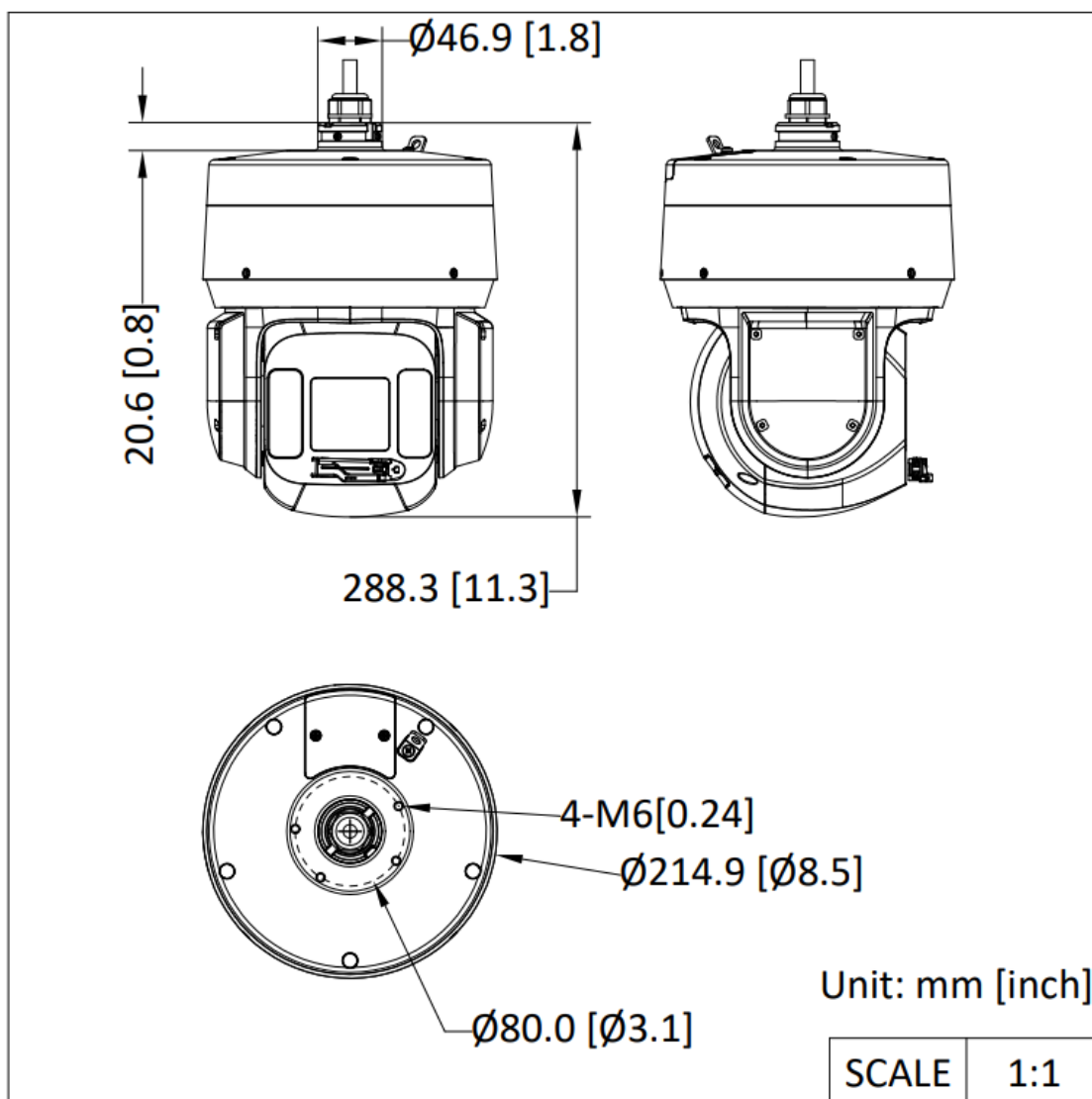
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped 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.

▪ Available Model

DS-2DV6C425MXG-ELW/4G

DS-2DV6C425MXG-ELW/4G(LA)

▪ Dimension

Ø46.9 [1.8]

20.6 [0.8]

288.3 [11.3]

4-M6[0.24]

Ø214.9 [Ø8.5]

Ø80.0 [Ø3.1]

Unit: mm [inch]

SCALE	1:1

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

DS-4612ZJ-PA	DS-1673ZJ-P	DS-4603ZJ-PA	DS-1684ZJ-P

- **Installation Methods**

Pendant Mounting	Wall Mounting
DS-4612ZJ-PA	DS-4603ZJ-PA

See Far, Go Further

HIKVISION®