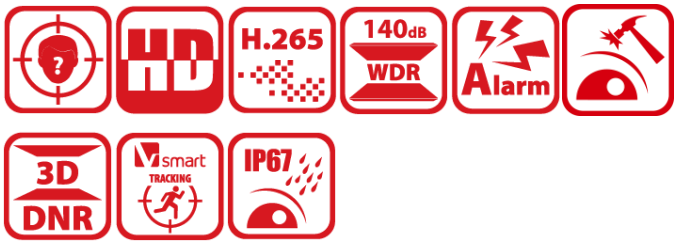
DS-2DT6425X-AELY(T5)
4 MP 25× Network Speed Dome





Hikvision DS-2DT6425X-AELY(T5) 4MP 25× Network Speed Dome adopts 1/1.8" progressive scan CMOS chip. With the 25× optical zoom lens

- 1/1.8" Progressive Scan CMOS
- Up to 2560×1440 resolution
- Min. Illumination: Color: 0.002 Lux @(F1.5, AGC ON),B/W: 0.0002 Lux @(F1.5, AGC ON),0 Lux with IR
- 25× optical zoom, 16× digital zoom
- 140dB WDR, 3D DNR, HLC
- 24 VAC Hi-PoE
- Support H.265+/H.265 video compression
- Support Rapid focus
- IK10, IP67
- Anti-Corrosion , SUS316L with anti-corrosion surface spray treatment

▪ Specification

Selection Parameter	
Specific Protection	Anti-Corrosion
Camera	
Image Sensor	1/1.8 " progressive scan CMOS
Min. Illumination	Color: 0.002 Lux @ (F1.5, AGC ON), B/W: 0.0002 Lux @ (F1.5, AGC ON)
Shutter Speed	1/1s ~ 1/30,000s
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	25x
Privacy Mask	up to 24 masks,polygon region ,mosaic mask ,mask color configurable
DORI	Detect (25px/m): 2034.5 m Observe (63px/m): 807.3 m Recognize (125px/m): 406.9 m Identify (250px/m): 203.4 m
SNR	≥52dB
General Function	mirror, password protection, watermark, IP address filter
Lens	
Focal Length	5.9mm to 147.5mm, 25× Optical
Zoom Speed	approx. 4.5 s
FOV	Horizontal field of view: 59.8° to 3.3° (wide-tele), Vertical field of view: 33.7° to 1.9° (wide-tele), Diagonal field of view: 65° to 3.8° (wide-tele)
Aperture	F1.5
Illuminator	
Smart IR	no
PTZ	
Movement Range (Pan)	360°
Movement Range (Tilt)	-15° 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	2560 × 1440
Main Stream	50Hz:25fps(2560×1440,1920×1080,1280×960,1280×720) ; 60Hz:30fps(2560×1440,1920×1080,1280×960,1280×720) ;
Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	H.265,H.264,MJPEG
Video Bit Rate	32 Kbps ~ 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 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.
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,loitering detection,people gathering detection,fast moving detection,parking 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.

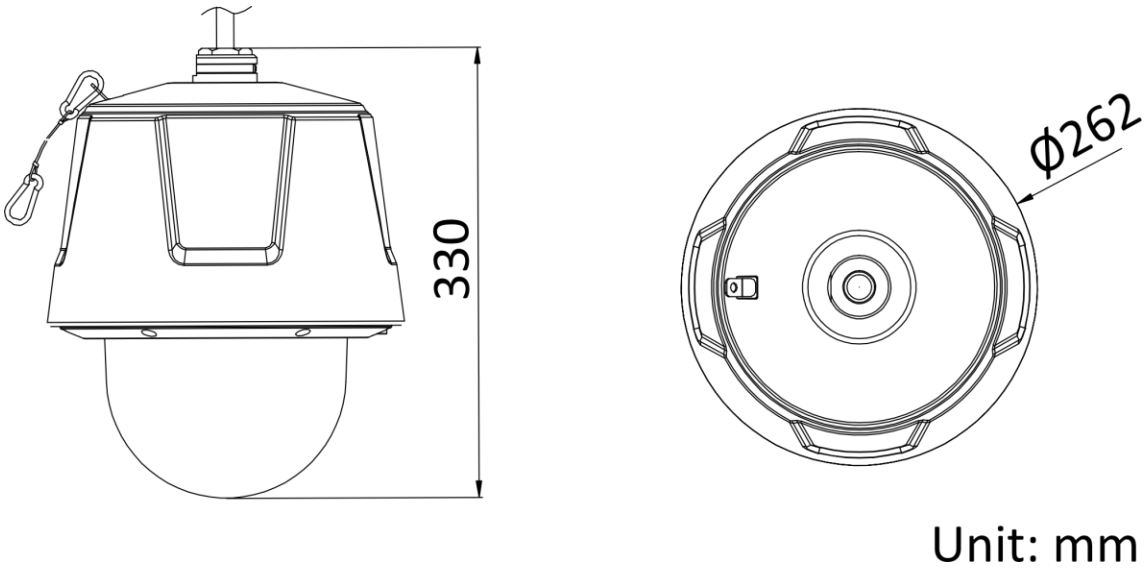
Network	
Network Storage	NAS (NFS, SMB/ CIFS),ANR
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, UDP, IGMP, ICMP, Bonjour
API	Open-ended API, ISAPI,Hikvision SDK,Third-party management platform,Ehome,ISUP,ONVIF (Profile S, Profile 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+
Supplement Detection	
Compass	yes
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 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 Hi-PoE
Operating Conditions	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	
EMC	FCC SDoC (47 CFR Part 15, Subpart B); 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); IC VoC (ICES-003: Issue 6, 2019); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 62368-1) CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 62368-1:2014+A11:2017), BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (SANS IEC60950-1)
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,±6kV Line to Gnd, ±3kV Line to Line,IEC61000-4-5,IP67 Standard,IK10
General	
Anti-Corrosion	NEMA 4X

▪ Available Model

DS-2DT6425X-AELY(T5)

▪ Dimension



Unit: mm

▪ Accessory

▪ Included

DS-1284ZJ-M-AC 3(OS) Wall mount


▪ Optional

DS-1697ZJ-Y3(OS) Wall mount




See Far, Go Further

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