

## DS-2DF6A832X-DE3(T5) 8 MP 32x Network Speed Dome

### DarkFighter™



Hikvision's DS-2DF6A832X-DE3(T5) 8 MP 32x Network Speed Dome adopts a 1/1.8" progressive scan CMOS chip. With a 32x optical zoom lens, the camera offers more details over expansive areas.

This series of cameras can be widely used for different indoor environments.

#### Available Model

DS-2DF6A832X-DE3(T5)

- 1/1.8" Progressive Scan CMOS
- High Quality Imaging with 8 MP Resolution
- Excellent Low-Light Performance with DarkFighter Technology
- 32x Optical Zoom and 16x Digital Zoom Provide Close Up Views over Expansive Areas
- 140 dB WDR, 3D DNR, HLC
- Supports H.265+/H.265 Video Compression
- Captures Every Point Fast, Even in Critical Events



# Specifications

DS-2DF6A832X-DE3(T5)	
<b>Camera Module</b>	
Image Sensor	1/1.8" progressive scan CMOS
Minimum Illumination	Color: 0.002 lux @ {f/1.5, AGC on}, B/W: 0.0002 lux @ {f/1.5, AGC on}
Shutter Speed	1/1 s to 1/30,000 s
Focus	Semi-auto, manual, auto
Day/Night	ICR
BLC	Yes
WDR	140 dB WDR
HLC	Yes
3D DNR	Yes
Regional Exposure	Yes
Regional Focus	Yes
Digital Zoom	16x
Optical Zoom	32x
Privacy Mask	Up to 24 masks, polygon region, mosaic mask, mask color configurable
General Function	Mirror, password protection, watermark, IP address filter
<b>Lens</b>	
Focal Length	6.7 mm to 214.4 mm, 32x optical
Zoom Speed	Approximately 4.5 s
FOV	Horizontal field of view: 56.6° to 2.0° (wide-tele) Vertical field of view: 33.7° to 1.2° (wide-tele) Diagonal field of view: 63.4° to 2.3° (wide-tele)
Aperture	f/1.5
<b>PTZ</b>	
Movement Range (Pan)	360°
Movement Range (Tilt)	-20° to 90° (auto flip)
Pan Speed	Configurable from 0.1° to 300°/s; preset speed: 540°/s
Tilt Speed	Configurable from 0.1° to 240°/s, preset speed 400°/s
Proportional Zoom	Yes
Presets	300
Patrol Scan	8 patrols
Pattern Scan	4 pattern scans
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 Tasks	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output
<b>Video</b>	
Maximum 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
H.264 Type	Baseline profile, main profile, high profile
H.265 Type	Main profile
H.264+	Yes
H.265+	Yes
SVC	Yes
<b>Audio</b>	
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM

## Specifications (continued)

DS-2DF6A832X-DE3(T5)	
<b>Smart Features</b>	
Face Capture	Yes
Basic Event	Motion detection, video tampering alarm, alarm input and output
Smart Event	Unattended baggage detection, object removal detection, intrusion detection, line crossing detection, region entrance detection, region exiting detection, audio exception detection
Smart Tracking	Manual tracking, event tracking
Smart Record	ANR, dual-VCA
Alarm Linkage	Alarm actions: Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send E-mail, etc.
<b>Network</b>	
Client	iVMS-4200, Hik-Connect, HikCentral
Web Browser	IE11, Chrome 57.0+, Firefox 52.0+, Safari 11+
<b>Interface</b>	
Communication Interface	1 RJ-45 10 M/100 M Ethernet interface; Hi-PoE
On-Board Storage	Built-in memory card slot, 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 $\Omega$ $\pm$ 10%
Audio Output	1 audio output, line level, impedance: 600 $\Omega$
RS-485	HIKVISION, Pelco-P, Pelco-D, self-adaptive
<b>General</b>	
Power	12 VDC, PoE
Operating Conditions	-20° to 50° C (-4° to 122° F), humidity 95% or less (non-condensing)
Dimensions	$\varnothing$ 290 mm $\times$ 274.8 mm ( $\varnothing$ 11.42" $\times$ 10.82")
Weight	Approximately 3.8 kg (8.38 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
<b>Approvals</b>	
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)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2006+A2:2013, IEC 62368-1:2014+A11:2017); 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, $\pm$ 6 kV line to gnd, $\pm$ 3 kV line to line, IEC61000-4-5
<b>Network</b>	
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 Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users, 3 levels: administrator, operator, and user
Security Measures	User authentication (ID and PW), host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering

## 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)	2690 m (8825.5 ft)	1067 m (3500.7 ft)	538 m (1765.1 ft)	269 m (882.5 ft)

# Dimensions

