HIKVISION

DS-2DF5232X-AE3(T5)
2 MP 32 × Network Speed Dome

DarkFighter

3D DNR | WDR | Alarm | (day/night icon) | H.265 | PoE

SD | HD
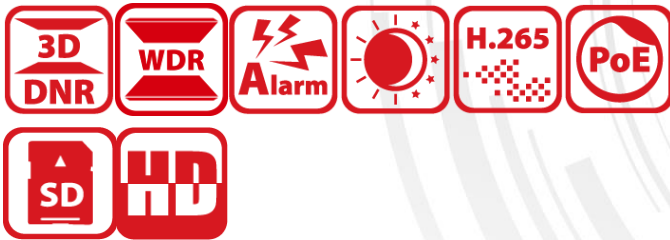
Hikvision DS-2DF5232X-AE3(T5) 2 MP 32 × Network Speed Dome adopts 1/2.8" progressive scan CMOS chip. With the 32 × optical zoom lens, the camera offers more details over expansive areas.

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.

- 1/2.8" progressive scan CMOS
- High quality imaging with 2 MP resolution
- Excellent low-light performance with DarkFighter technology
- 32× optical zoom and 16× digital zoom provide close up views over expansive areas
- 120 dB WDR, 3D DNR, HLC
- Water and dust resistant (IP66) and vandal resistant (IK10)

▪ 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)	2046.9 m (6715.5 ft)	812.3 m (2664.9 ft)	409.4 m (1343.1 ft)	204.7 m (671.6 ft)

▪ Specification

Camera	
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON), B/W: 0.0002 Lux @ (F1.2, AGC ON)
Shutter Speed	1 to 1/30,000 s
Day & Night	IR cut filter
Zoom	32 × optical, 16 × digital
Max. Resolution	1920 × 1080
Lens	
Focus	Auto, semi-auto, manual
Focal Length	4.8 mm to 153 mm
Zoom Speed	Approx. 5.6 s
FOV	Horizontal field of view: 58.4° to 2.14° (wide-tele)
	Vertical field of view: 33.8° to 1.2° (wide-tele)
	Diagonal field of view: 65.6° to 2.46° (wide-tele)
Aperture	Max. F1.2
PTZ	
Movement Range (Pan)	360°
Movement Range (Tilt)	-5° 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 Pan	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 Task	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output

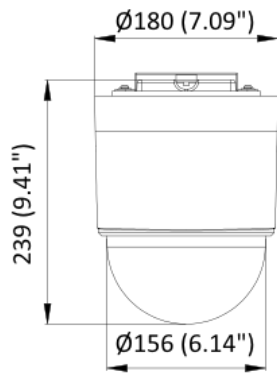| Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720)
	60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)
	60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 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
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
Audio	
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM
Network	
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK
User/Host	Up to 32 users, 3 levels: Administrator, Operator and User
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication, watermark, IP address filter, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
Client	iVMS-4200, HikCentral, Hik-Connect
Web Browser	IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Safari 11+
Image	
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Defog	Optical defog
Image Enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	120 dB WDR
Image Stabilization	EIS
Regional Exposure	Yes
Regional Focus	Yes
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable
Interface	
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
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
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)

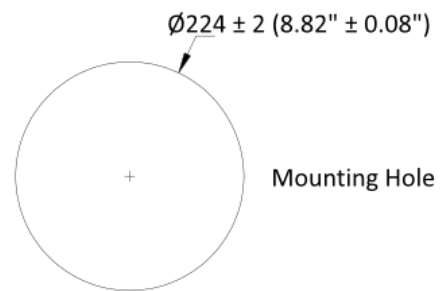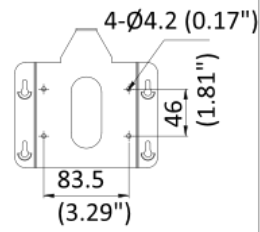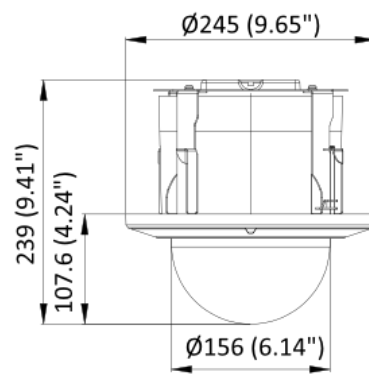| Event	
Basic Event	Motion detection, video tampering alarm, exception, alarm input and output
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection
Smart Tracking	Manual tracking, auto-tracking
Alarm Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan)
Deep Learning Function	
Face Capture	Detects up to 30 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and outputs the best face picture
Road Traffic and Vehicle Detection	
Road Traffic	Supports vehicle detection
General	
Power	24 V, 2.5 A, 50/60Hz, AC (Max. 25 W), Hi-PoE, 42.5 to 57 V, 1.41 A (Max. 25 W)
Operating Condition	-10°C to 50°C (14°F to 122°F), Humidity 95% or less (non-condensing)
Dimension	Ø245.1 mm × 239 mm (Ø9.65" × 9.41")
Weight	Approx. 3.4 kg (7.5 lb.)
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	IP66 (IEC 60529-2013), IK10 (IEC 62262:2002)

▪ Available Model

DS-2DF5232X-AE3(T5)

▪ Dimension

Ceiling Mounting

Ø180 (7.09")
239 (9.41")
Ø156 (6.14")

In-Ceiling Mounting

Ø245 (9.65")
239 (9.41")
107.6 (4.24")
Ø156 (6.14")

4-Ø4.2 (0.17")
46 (1.81")
83.5 (3.29")

Ø224 ± 2 (8.82" ± 0.08")

Mounting Hole

Unit: mm (inch)

Distributed by

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