

DS-2DF5232X-AEL(3) (D) 2 MP 32× Network Speed Dome

DarkFighter™



- 1/2.8" Progressive Scan CMOS
- Up to 1920 × 1080 Resolution
- Minimum Illumination:
 - Color: 0.002 Lux @ (f/1.2, AGC On)
 - B/W: 0.0002 Lux @ (f/1.2, AGC On)
- 32x Optical Zoom, 16x Digital Zoom
- 120 dB WDR, 3D DNR, HLC
- 24 VAC and Hi-PoE
- H.265+/H.265 Video Compression
- Deep Learning-Based Target Classification Algorithm for Auto-Tracking 2.0 and Perimeter Protection
- IK10, IP66

The Hikvision DS-2DF5232X-AEL(3)(D) 2 MP 32x Network Speed Domes adopt 1/2.8" progressive scan CMOS chip. With the 32x 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 rivers, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations, large venues, etc.

Order Models:

DS-2DF5232X-AE3 (D): 24 VAC, Hi-PoE (Indoor)

DS-2DF5232X-AEL (D): 24 VAC, Hi-PoE (Outdoor)

Specifications

	DS-2DF5232X-AE3 (D)	DS-2DF5232X-AEL (D)
Camera Module		
Image Sensor	1/2.8" progressive scan CMOS	
Minimum Illumination	Color: 0.002 lux @ (f/1.2, AGC on) B/W: 0.0002 lux @ (f/1.2, AGC on)	
Shutter Speed	1/1 s to 1/30,000 s	
White Balance	Auto/manual/ATW (auto-tracking white balance)/indoor/outdoor/fluorescent lamp/sodium lamp	
AGC	Auto/manual	
Day/Night	IR cut filter	
Digital Zoom	16x	
Privacy Mask	24 programmable polygon privacy masks	
Focus Mode	Auto/semi-automatic/manual	
3D DNR	Yes	
BLC	Yes	
HLC	Yes	
WDR	120 dB	
Defog	Yes	
EIS	Yes	
Regional Exposure	Yes	
Regional Focus	Yes	
Lens		
Focal Length	4.8 mm to 153 mm, 32x optical	
Zoom Speed	Approximately 5.6 s (optical lens, wide-tele)	
Field of View	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)	
Working Distance	10 mm to 1500 mm (wide-tele)	
Aperture Range	f/1.2 to f/4.4	
PTZ		
Movement Range (Pan)	360° endless	
Pan Speed	Configurable, from 0.1°/s to 300°/s, Preset Speed: 540°/s	
Movement Range (Tilt)	From -5° to 90°	
Tilt Speed	Configurable, from 0.1°/s 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	
Smart Features		
Perimeter Protection	Intrusion, line crossing, region entrance, region exiting, supports alarm triggering by specified target types (human and vehicle), filtering out mistaken alarm caused by target types such as leaf, light, animal, flag, etc.	
Event Detection	Unattended Baggage Detection, Object Removal Detection, Face Detection, Audio Exception Detection	
Smart Tracking	Manual tracking, auto tracking (support tracking specified target types such as human and vehicle), event tracking	
Smart Record	ANR (Automatic Network Replenishment), Dual-VCA	
ROI	Eight fixed regions for each stream	
Network		
Maximum Resolution	1920 × 1080	
Main Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720), 60 fps (1920 × 1080, 1280 × 960, 1280 × 720)	
Sub-Stream	60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)	
Third Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)	
SVC	Yes	
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 with Baseline/Main/High Profile	
Audio Compression	G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM	
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, DHCP, PPPoE, UDP, IGMP, ICMP, Bonjour	
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	
System Integration		
Alarm Interface	7-ch alarm input/2-ch alarm output	
Audio Interface	1-ch audio input, 2 to 2.4 V(p-p), 1K Ω ±10%, 1-ch audio output, line level, impedance: 600 Ω	
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 Interface	1 RJ-45 10 M/100 M Ethernet Interface; Hi-PoE	
BNC	1.0V (p-p)/75 Ω, NTSC composite	
RS-485	HIKVISION, Pelco-P, Pelco-D, self-adaptive	
Storage	Built-in memory card slot, support microSD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/CIFS), ANR	
API	Open-ended, supports ONVIF, and CGI, supports HIKVISION SDK and third-party management platform	
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect	
Web Browser	IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51	

Specifications (continued)

DS-2DF5232X-AE3 (D)		DS-2DF5232X-AEL (D)
General		
Installation	Indoor	Outdoor
Power	24 VAC (maximum 25 W), Hi-PoE (maximum 25 W)	24 VAC (maximum 60 W, including maximum 40 W for heater), Hi-PoE (maximum 50 W, including maximum 20 W for heater)
Working Temperature	-10° to 50° C (14° to 122° F)	-40° to 70° C (-40° to 158° F)
Working Humidity	≤90% non-condensing	
Protection Level	IK10, 6000V lightning protection, surge protection, and voltage transient protection	
Weatherproof	---	IP66 standard
Dimensions	Ø245.1 mm × 239 mm (Ø9.65" × 9.41")	Ø220 mm × 302 mm (Ø8.66" × 11.89")
Weight	Approximately 3.4 kg (7.50 lb)	Approximately 4 kg (8.82 lb)

DORI

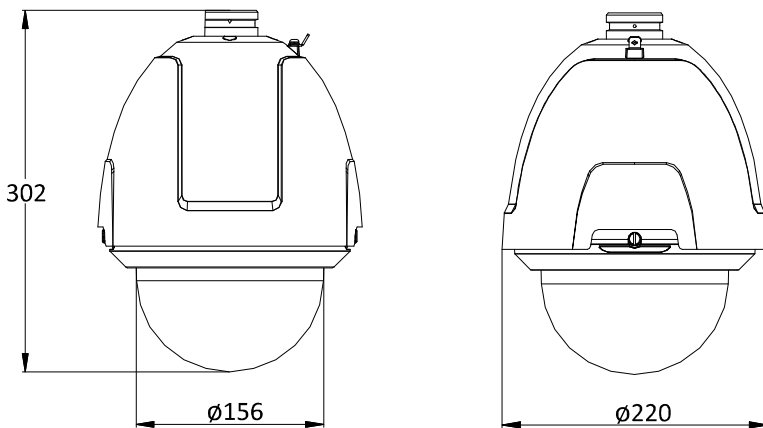
The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera's ability to distinguish persons or objects within its field of view.

It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

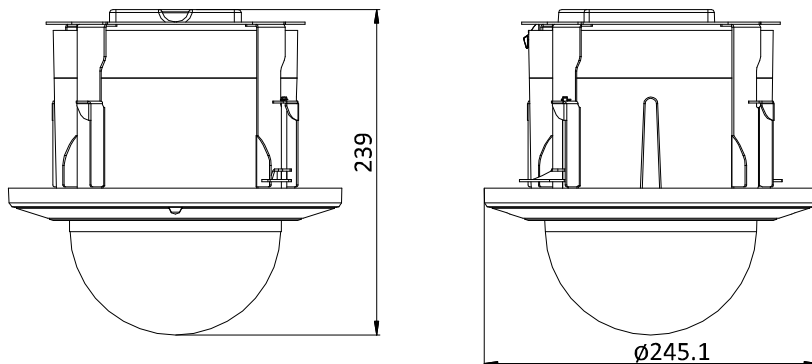
DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	2046.9 m (6715.5 ft)	812.3 m (2664.9 ft)	409.4 m (1343.1 ft)	204.7 m (671.6 ft)

Dimensions

DS-2DF5232X-AEL(D) Outdoor Speed Dome












DS-2DF5232X-AE3(D) Indoor Speed Dome



Unit: mm

Accessories

INCLUDED (DS-2DF5232X-AEL (D) only)
 (actual product appearance may vary)
G1.5 Adapter Converts Hikvision Quick Release to G 1.5" Thread

NOT INCLUDED			
			
JBPW-L Wall Mount	JBPW Wall Mount	PMPL Vertical Pole Mount	CMPL Corner Mount
			
RPM Parapet Mount	CMP-JB Corner Mount	CPM-S Pendant Mount	CPM-L Pendant Mount
			
PMP-JB Horizontal Pole Mount			