HIKVISION

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





Hikvision DS-2DF5232X-AEL(3) 2MP 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.

Key Features

1/2.8" progressive scan CMOS

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- Up to 1920 × 1080 resolution
- Min. Illumination:
 Color: 0.002 Lux @(F1.2, AGC ON)
 B/W: 0.0002 Lux @(F1.2, AGC ON)
- 32× optical zoom, 16× digital zoom
- 120dB WDR, 3D DNR, HLC
- 24 VAC & Hi-PoE
- Support H.265+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IK10, IP66





Specification

Camera Module			
Image Sensor	1/2.8" progressive scan CMOS		
	Color: 0.002 Lux @(F1.2, AGC ON)		
Min. Illumination	B/W: 0.0002 Lux @(F1.2, AGC ON)		
Shutter Time	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	16×		
Privacy Mask	24 programmable polygon privacy masks		
Focus Mode	Auto/Semi-automatic/Manual		
3D DNR	Support		
BLC	Support		
HLC	Support		
WDR	120dB		
Defog	Support		
EIS	Support		
Regional Exposure	Support		
Regional Focus	Support		
Lens			
Focal Length	4.8 mm to 153 mm, 32× Optical		
Zoom Speed	Approx. 5.6 s (optical lens, wide-tele)		
	Horizontal field of view: 58.4° to 2.14° (wide-tele)		
Field of View	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	F1.2 to F4.4		
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	Support		
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:	Support		
Park Action	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan		
3D Positioning	Support		
PTZ Status Display	Support		
Preset Freezing	Support		
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			



	Intrusion, Line Crossing, Region Entrance, Region Exiting	
Perimeter Protection	Support alarm triggering by specified target types (human and vehicle)	
Perimeter Protection	Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.	
Event Detection	Face Detection, Audio Exception Detection	
Smart Tracking	Manual Tracking, Auto Tracking (support tracking specified target types such as human and	
Smart Record	vehicle), Event Tracking ANR (Automatic Network Replenishment), Dual-VCA	
ROI	Support	
Network	Support	
Max. Resolution	1920 × 1080	
	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)	
	50fps (1920 × 1080, 1280 × 960, 1280 × 720)	
Main Stream	60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)	
	60fps (1920 × 1080, 1280 × 960, 1280 × 720)	
	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288)	
Sub-Stream	60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)	
Third Charge as	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)	
Third Stream	60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)	
ROI	Support	
SVC	Support	
	Main Stream: H.265+/H.265/H.264+/H.264	
Video Compression	Sub-Stream: H.265/H.264/MJPEG	
Video Compression	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, RTCP, RTP, TCP/IP, DHCP, PPPoE, Bonjour	
Simultaneous Live View	Up to 20 channels	
User/Host	Up to 32 users	
User/HUst	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 (applicable microphone, plug-in power type), 2 to 2.4 V[p-p], 1 K Ω \pm 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 RJ45 10 M/100 M Ethernet Interface; Hi-PoE	
BNC	1.0V [p-p]/75 Ω, NTSC (or PAL) composite	
RS-485	HIKVISION, Pelco-P, Pelco-D, self-adaptive	
Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIPS), ANR	
ΑΡΙ	Open-ended, support ONVIF, and CGI, support 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	
General		

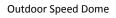


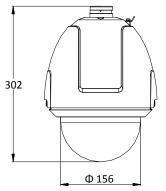
Power	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)	
Working Temperature	Vorking Temperature -40°C to 65°C (-40°F to 149°F) (Outdoor) -10°C to 50°C (14°F to 122°F) (Indoor)	
Working Humidity	≤ 90%	
Protection Level	IP66 Standard (Outdoor), IK10, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	
Dimensions	Φ 220 mm × 302 mm (Φ 8.66" × 11.89") (Outdoor) Φ 245.1 mm × 239 mm (Φ 9.65" × 9.41") (Indoor)	
Weight	Approx. 4 kg (8.82 lb) (Outdoor) Approx. 3.4 kg (7.50 lb) (Indoor)	

Order Model

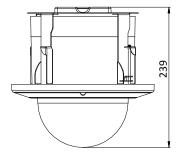
DS-2DF5232X-AEL	(D), 24 VAC & Hi-PoE (Outdoor)
DS-2DF5232X-AE3	(D), 24 VAC & Hi-PoE (Indoor)

Dimensions

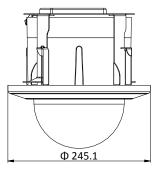




Indoor Speed Dome







Unit: mm



Accessories

a		DS-1604ZJ	Wall Mounting Bracket
	a the second	DS-1604ZJ-box	Wall Mounting Bracket with Junction Box
		DS-1604ZJ-box-pole	Vertical Pole Mounting Bracket with Junction Box
		DS-1604ZJ-box-corner	Wall Mounting Bracket with Junction Box
-		DS-1660ZJ	Parapet Wall Mounting Bracket
	2	DS-1619ZJ	Gooseneck Mounting Bracket
	2	DS-1661ZJ	Pendant Mounting Bracket
Dist	d by	DS-1662ZJ	Pendant Mounting Bracket
1		DS-1663ZJ	Ceiling Mounting Bracket
		DS-1667ZJ	Extendable Pole for Pendant Mounting Bracket
h	UU 510N	DS-1673ZJ	Horizontal Pole Mounting Bracket
	jiang Distri 1-8807-5998 business@hikvision.com	_{ct} DS-1682ZJ	Extendable Pole for Pendant Mounting Bracket

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