

DS-2DF8250I8X-AEL(W) 2MP 50× Network Laser Speed Dome



Hikvision DS-2DF8250I8X-AEL (W) 2MP 50× Network IR Speed Dome adopts 1/2.8" progressive scan CMOS chip. With the 50× 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
- Up to 1920 × 1080 resolution
- Min. illumination:
Color: 0.05 Lux @(F1.8, AGC ON)
B/W: 0.01 Lux @(F1.8, AGC ON)
0 Lux with IR
- 50× Optical Zoom, 16× Digital Zoom
- 120dB WDR, 3D DNR, HLC, BLC
- Optical Image Stabilization
- Up to 800 m laser distance
- 24 VAC & Hi-PoE
- Support H.265+/H.265 video compression



Specification

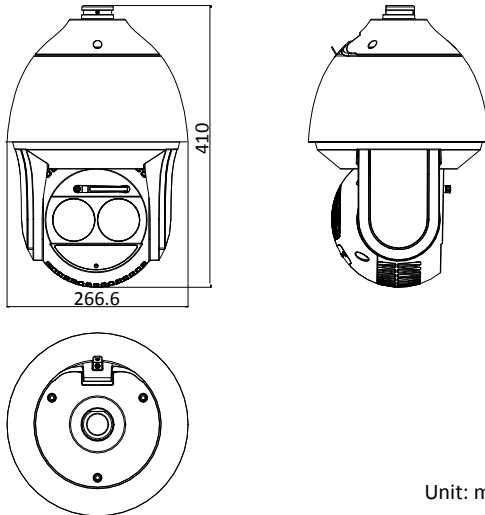
Camera Module		2MP 50× Network Laser Speed Dome
Image Sensor		1/2.8" progressive scan CMOS
Min. Illumination		Color: 0.05 Lux @(F1.8, AGC ON) B/W: 0.01Lux @(F1.8, AGC ON) 0 Lux with IR
White Balance		Auto/Manual/ATW (Auto Tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
AGC		Auto/Manual
Shutter Time		1/1 s to 1/30,000 s
Day & Night		IR Cut Filter
Digital Zoom		16×
Privacy Mask		24 programmable privacy masks
Focus Mode		Auto/Semi-automatic/Manual
Optical Image Stabilization		Support
WDR		120dB
Lens		
Focal Length		6.6 mm to 330 mm, 50× Optical
Zoom Speed		Approx. 4.5 s (optical lens, wide-tele)
FOV		Horizontal field of view: 41.3° to 1.1° (wide-tele) Vertical field of view: 23.6° to 0.6° (wide-tele) Diagonal field of view: 47.4° to 1.3° (wide-tele)
Working Distance		10 mm to 1500 mm (wide-tele)
Aperture Range		F1.8 to F5.5
Laser		
Laser Distance		Up to 800 m
PTZ		
Movement Range (Pan)		360° endless
Pan Speed		Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Movement Range (Tilt)		From -20° to 90°
Tilt Speed		Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/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
PTZ Position Display		ON/OFF
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
Compression Standard		
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.264+		Support
H.265 Type		Main Profile
H.265+		Support

Video Bitrate	32 kbps to 16384 kbps
Audio compression	G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM
Audio Bitrate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-160Kbps(MP2L2)
Smart Feature	
Smart Detection	Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Face Detection, Audio Exception Detection
ROI encoding	Main stream, sub-stream and third stream respectively support eight fixed areas.
Image	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60fps (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)
Image Enhancement	HLC/BLC/3D DNR/Defog/ Optical Image Stabilization /Regional Exposure/Regional Focus/Optical Defog
SVC	Support
Network	
Network Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIFS), ANR
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.
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, Bonjour
API	Open-ended, support ONVIF, PSIA and CGI, support HIKVISION SDK and Third-Party Management Platform
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
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect
Web Browser	IE7+, Chrome18-42, Firefox5.0+, Safari5.02+
Interface	
Audio	1-ch audio input/1-ch audio output
Network Interface	1 RJ45 10 M/100 M Ethernet Interface, Hi-PoE
Alarm	7-ch alarm input/2-ch alarm output
RS-485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive
BNC	1.0 V [p-p]/75 Ω, NTSC (or PAL) composite, BNC
General	
Power	24 VAC (Max. 60 W) , Hi-PoE (Max. 50 W)
Working Environment	Temperature: -40°C to 65°C (-40°F to 149°F) Humidity: ≤ 90%
Protection Level	IP66 Standard, IK10 (only supported by camera without wiper), TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminum alloy
Dimensions	Φ 266.6 mm × 410 mm (Φ 10.50" × 16.14")
Weight	Approx. 8 kg (17.64 lb)

Order Model

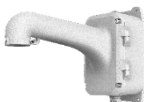
DS-2DF8250I8X-AEL, without wiper, 24 VAC &Hi-PoE

DS-2DF8250I8X-AELW, with wiper, 24 VAC &Hi-PoE

Dimensions

Unit: mm

Accessories

	DS-1604ZJ	Wall Mounting Bracket
	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
	DS-1619ZJ	Gooseneck Mounting Bracket
	DS-1661ZJ	Pendant Mounting Bracket
	DS-1662ZJ	Pendant Mounting Bracket
	DS-1663ZJ	Ceiling Mounting Bracket
	DS-1667ZJ	Extendable Pole for Pendant Mounting Bracket
	DS-1673ZJ	Horizontal Pole Mounting Bracket
	DS-1682ZJ	Extendable Pole for Pendant Mounting Bracket

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