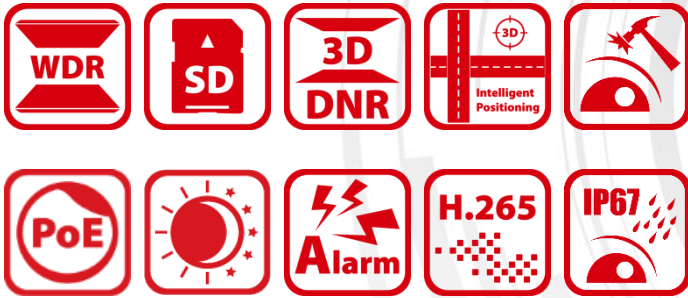


## DS-2DF8250I8X-AEL(W) (B) 2MP 50× Network Laser Speed Dome



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
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IK10, IP67



## Specification

Camera Module	
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 polygon privacy masks
Focus Mode	Auto/Semi-automatic/Manual
Image Stabilization	Optical Image Stabilization
WDR	120 dB
OIS	Support
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 160°/s, Preset Speed: 240°/s
Movement Range (Tilt)	From -20° to 90°
Tilt Speed	Configurable, from 0.1°/s to 120°/s, Preset Speed: 200°/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)
<b>Smart Feature</b>	
Perimeter Protection	Intrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) 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 vehicle), Event Tracking
Smart Record	ANR (Automatic Network Replenishment), Dual-VCA
ROI	Support
<b>Image</b>	
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
<b>Network</b>	
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 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	IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51
<b>Interface</b>	
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 KΩ ± 10% 1-ch audio output, line level, impedance: 600 Ω
Network Interface	1 RJ45 10 M/100 M Ethernet Interface, Hi-PoE
RS-485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive
BNC	1.0 V [p-p]/75 Ω, NTSC (or PAL) composite, BNC
<b>General</b>	
Power	24 VAC (Max. 60 W) , Hi-PoE (Max. 50 W)
Working Environment	Temperature: -40°C to 70°C (-40°F to 158°F) Humidity: ≤ 90%

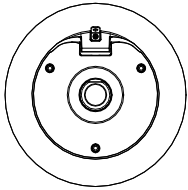
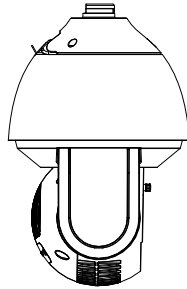
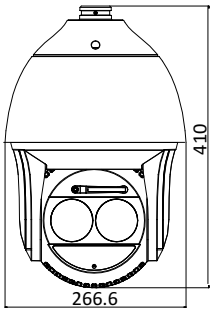
Protection Level	IP67 Standard, IK10 (only supported by camera without wiper), TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminum alloy
Dimensions	Φ 266.6 mm × 410 mm (Φ 10.50" × 16.14")
Weight	Approx. 8 kg (17.64 lb)

### Order Model

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

DS-2DF8250I8X-AELW (B), 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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