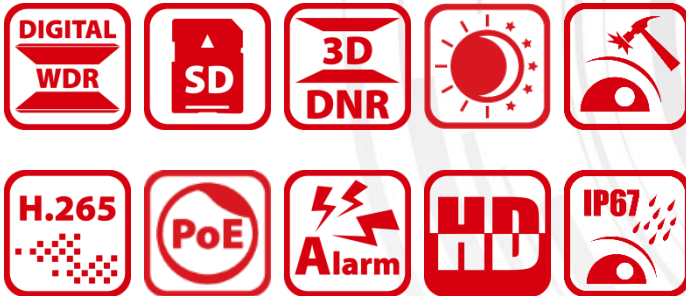# HIKVISION

## DS-2DF8825IX-AEL(W)    (B)
## 8MP 25× Network IR Speed Dome

Hikvision DS-2DF8825IX-AEL(W) 8MP 25× Network IR Speed Dome adopts 2/3" progressive scan CMOS chip. With the 25× 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

- 2/3" progressive scan CMOS
- Up to 4096 × 2160 resolution
- Min. Illumination:
  Color: 0.005 Lux @(F1.5, AGC ON)
  B/W: 0.0005 Lux @(F1.5, AGC ON)
  0 Lux with IR
- 25× optical zoom, 16× digital zoom
- Digital WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- Up to 200 m IR distance
- Support H.265+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Rapid focus
- IK10 IP67

## Specification

| Camera Module | |
|---|---|
| Image Sensor | 2/3" progressive scan CMOS |
| Min. Illumination | Color: 0.005 Lux @(F1.5, AGC ON)<br>B/W: 0.0005 Lux @(F1.5, AGC ON)<br>0 Lux with IR |
| 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, mask color or mosaic configurable |
| Focus Mode | Auto/Semi-automatic/Manual |
| 3D DNR | Yes |
| BLC | Yes |
| HLC | Yes |
| Digital WDR | Yes |
| Optical Defog | Yes |
| EIS | Yes |
| Regional Exposure | Yes |
| Regional Focus | Yes |
| **Lens** | |
| Focal Length | 7.5 mm to 187.5 mm, 25× Optical |
| Zoom Speed | Approx. 6.4 s (optical lens, wide-tele) |
| Field of View | Horizontal field of view: 56.1° to 3.0° (wide-tele)<br>Vertical field of view: 33.4° to 1.7° (wide-tele)<br>Diagonal field of view: 62.9° to 3.4° (wide-tele) |
| Working Distance | 10 mm to 1500 mm (wide-tele) |
| Aperture Range | F1.5 to F4.0 |
| **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 | 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 |
| 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<br>Support alarm triggering by specified target types (human and vehicle)<br>Filtering out mistaken alarm caused by target types such as leaf, light, animal, and 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 region for each stream |
| **IR** | |
| IR Distance | 200 m |
| Smart IR | Yes |
| **Network** | |
| Max. Resolution | 4096 × 2160 |
| Main Stream | 50Hz: 25fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 30fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream | 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288)<br>60Hz: 30fps (704 × 480, 640 × 480, 352 × 240) |
| Third Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)<br>60Hz: 30fps (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<br>Sub-Stream: H.265/H.264/MJPEG<br>Third Stream: H.265/H.264/MJPEG<br>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, UDP, IGMP, ICMP, Bonjour |
| Simultaneous Live View | Up to 20 channels |
| User/Host | Up to 32 users<br>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], 1 KΩ ± 10%<br>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 |
| CVBS | Support |
| Storage | Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/CIFS), ANR |
| API | ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK |
| Client | iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect |
| Web Browser | IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+ |
| **General** | |
| Language (Web Browser Access ) | 32 languages.<br>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) |
| Power | 24 V, 3.0A, 50/60Hz, AC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater)<br>Hi-PoE, 42.5 to 57V, 1.41A (Max. 50 W, including max. 18 W for IR and max. 6 W for heater) |
| Working Temperature | Outdoor: -40°C to 70°C (-40°F to 158°F) |
| Working Humidity | ≤ 95% |
| Protection Level | IP67 Standard, IK10 (only supported by camera without wiper), 6,000V Lightning Protection, Surge Protection and Voltage Transient Protection |
| Dimensions | Φ 266.6 mm × 410 mm (Φ 10.50" × 16.14") |
| Weight | Approx. 8 kg (17.64 lb) |

## 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.
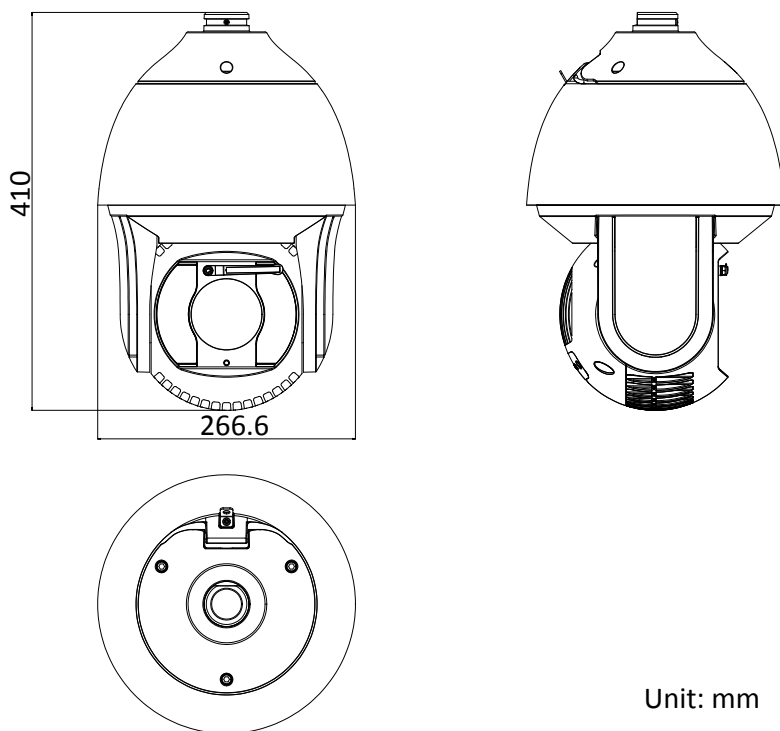
| DORI | Detect | Observe | Recognize | Identify |
|---|---|---|---|---|
| Definition | 25 px/m | 63 px/m | 125 px/m | 250 px/m |
| Distance (Tele) | 2968 m (9737.5 ft) | 1177.8 m (3864.2 ft) | 593.6 m (1947.5 ft) | 296.8 m (973.8 ft) |

## Order Model

DS-2DF8825IX-AEL       (B), without wiper, 24 VAC & Hi-PoE

DS-2DF8825IX-AELW       (B), with wiper, 24 VAC & Hi-PoE

## Dimensions



410

266.6

Unit: mm

## Accessory

**Included:**

Installation Adapter

**Optional:**

DS-1604ZJ
Wall Mount
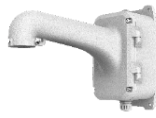
DS-1604ZJ-box
Wall Mount with Junction Box

DS-1604ZJ-box-pole
Vertical Pole Mount with Junction Box

DS-1604ZJ-box-corner
Corner Mount with Junction Box

DS-1660ZJ
Parapet Mount

DS-1619ZJ
Gooseneck Mount

DS-1661ZJ
Pendant Mount

DS-1662ZJ
Pendant Mount

DS-1663ZJ
Ceiling Mount

DS-1667ZJ
Extendable Pole for Pendant Mount

DS-1673ZJ
Horizontal Pole Mount

DS-1682ZJ
Extendable Pole for Pendant Mount

LAS60-57CN-RJ45
Hi-PoE Midspan

TEAC-66-243000V (EU)
MKAC-66-243000U (USA)
TEAC-66-243000VB (UK)
Power Adapter

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