

DS-2DF8225IX-AEL(W) (B) 2MP 25× Network IR Speed Dome

























Hikvision DS-2DF8225IX-AEL(W) 2MP 25× Network IR Speed Dome adopts 1/1.8" 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

- 1/1.8" progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. Illumination
 Color: 0.002 Lux @(F1.5, AGC ON)
 B/W: 0.0002 Lux @(F1.5, AGC ON)
 O Lux with IR
- 25× optical zoom, 16× digital zoom
- 120dB WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- Up to 200 m IR distance
- Support H.265+/H.265 video compression
- Support rapid focus
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IP67, IK10





Specification

| Camera Module | | | | | |
|-----------------------|--|--|--|--|--|
| Image Sensor | 1/1.8" progressive scan CMOS | | | | |
| - | Color: 0.002 Lux @(F1.5, AGC ON) | | | | |
| Min. Illumination | B/W: 0.0002 Lux @(F1.5, AGC ON) | | | | |
| | 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 | | | | |
| writte balance | 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 | | | | |
| WDR | 120dB | | | | |
| Optical Defog | Yes | | | | |
| EIS | Yes | | | | |
| Regional Exposure | Yes | | | | |
| Regional Focus | Yes | | | | |
| Rapid Focus | Yes | | | | |
| Lens | | | | | |
| Focal Length | 5.7 mm to 142.5 mm, 25× Optical | | | | |
| Zoom Speed | Approx. 3.7 s (optical lens, wide-tele) | | | | |
| e: 11 6va | Horizontal field of view: 59.8° to 2.8° (wide-tele) | | | | |
| Field of View | Vertical field of view: 33.6° to 1.6° (wide-tele) | | | | |
| Marking Distance | Diagonal field of view: 68.6° to 3.2° (wide-tele) | | | | |
| Working Distance | 10 mm to 1500 mm (wide-tele) F1.5 to F3.4 | | | | |
| Aperture Range PTZ | F1.5 t0 F5.4 | | | | |
| 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 | From -20° to 90° 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 | | | | |
| | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama | | | | |
| Park Action | Scan | | | | |
| PTZ Status Display | Yes | | | | |
| Preset Freezing | Yes | | | | |
| | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama | | | | |
| Scheduled Task | 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) | | | | |
| | 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 | 1920 × 1080 | | | | |
| | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) | | | | |
| Main Stream | 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) | | | | |
| | 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) | | | | |
| SVC | Yes | | | | |
| 370 | Main Stream: H.265+/H.265/H.264+/H.264 | | | | |
| | Sub-Stream: H.265/H.264/MJPEG | | | | |
| Video Compression | Third Stream: H.265/H.264/MJPEG | | | | |
| | H.264 with Baseline/Main/High Profile | | | | |
| Audia compression | † · · · · · · · · · · · · · · · · · · · | | | | |
| 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, | | | | |
| <u> </u> | RTCP, RTP, TCP/IP, DHCP, PPPoE, UDP, IGMP, ICMP, Bonjour | | | | |
| Simultaneous Live View | Up to 20 channels | | | | |
| User/Host | Up to 32 users | | | | |
| <u> </u> | 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 K Ω ± 10% | | | | |
| | 1-ch audio output, line level, impedance: 600 Ω | | | | |
| | Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, | | | | |
| Alarm Linkage | 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 | Yes | | | | |
| RS-485 | HIKVISION, Pelco-P, Pelco-D, self-adaptive | | | | |
| _ | Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ | | | | |
| C+ | Bane in memory card stocy support timero sey servey ap to 250 ce, into (it is, sixie) | | | | |
| Storage | | | | | |
| Storage API | CIFS), ANR | | | | |
| API | CIFS), ANR ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK | | | | |
| API Client | CIFS), ANR ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect | | | | |
| API Client Web Browser | CIFS), ANR ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK | | | | |
| API Client | CIFS), ANR ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+ | | | | |
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| API Client Web Browser General | CIFS), ANR ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+ 32 languages. English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, | | | | |
| API Client Web Browser General Language (Web Browser | CIFS), ANR ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+ 32 languages. 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, | | | | |
| API Client Web Browser General Language (Web Browser | CIFS), ANR ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+ 32 languages. 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) | | | | |
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| API Client Web Browser General Language (Web Browser Access) Power | CIFS), ANR ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+ 32 languages. 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) 24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater) Hi-PoE (Max. 50 W, including max. 18 W for IR and max. 6 W for heater) | | | | |
| API Client Web Browser General Language (Web Browser Access) Power Working Temperature | CIFS), ANR ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+ 32 languages. 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) 24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater) Hi-PoE (Max. 50 W, including max. 18 W for IR and max. 6 W for heater) Outdoor: -40°C to 70°C (-40°F to 158°F) | | | | |
| API Client Web Browser General Language (Web Browser Access) Power | CIFS), ANR ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+ 32 languages. 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) 24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater) Hi-PoE (Max. 50 W, including max. 18 W for IR and max. 6 W for heater) Outdoor: -40°C to 70°C (-40°F to 158°F) ≤ 90% | | | | |
| API Client Web Browser General Language (Web Browser Access) Power Working Temperature Working Humidity | CIFS), ANR ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+ 32 languages. 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) 24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater) Hi-PoE (Max. 50 W, including max. 18 W for IR and max. 6 W for heater) Outdoor: -40°C to 70°C (-40°F to 158°F) ≤ 90% IP67 Standard, IK10 (only supported by camera without wiper), 6,000∨ Lightning | | | | |
| API Client Web Browser General Language (Web Browser Access) Power Working Temperature | CIFS), ANR ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+ 32 languages. 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) 24 VAC (Max. 60 W, including max. 18 W for IR and max. 6 W for heater) Hi-PoE (Max. 50 W, including max. 18 W for IR and max. 6 W for heater) Outdoor: -40°C to 70°C (-40°F to 158°F) ≤ 90% | | | | |



| Weight | Approx. 8 kg (17.64 lb) |
|----------|-------------------------|
| vveigiit | 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.

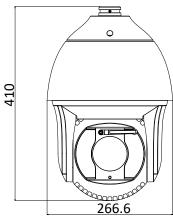
It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

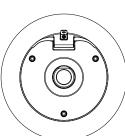
| DORI | Detect | Observe | Recognize | Identify |
|-----------------|----------------------|---------------------|--------------------|--------------------|
| Definition | 25 px/m | 63 px/m | 125 px/m | 250 px/m |
| Distance (Tele) | 1493.3 m (4899.4 ft) | 592.6 m (1944.2 ft) | 298.7 m (979.9 ft) | 149.3 m (489.9 ft) |

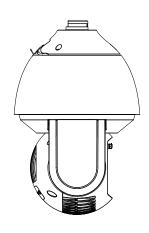
Order Model

DS-2DF8225IX-AEL (B), without wiper, 24 VAC & Hi-PoE DS-2DF8225IX-AELW (B), with wiper, 24 VAC & Hi-PoE

Dimensions







Unit: mm



Accessory Included:



Installation Adapter

Optional:



DS-1604ZJ Wall Mount



DS-1660ZJ Parapet Mount



Distributed by

DS-1663ZJ Ceiling Mount



DS-1604ZJ-box
Wall Mount with Junction
Box



DS-1619ZJ Gooseneck Mount



DS-1667ZJ
Extendable Pole for
Pendant Mount



DS-1604ZJ-box-pole

Vertical Pole Mount with

Junction Box



DS-1661ZJ Pendant Mount



DS-1673ZJ Horizontal Pole Mount



LAS60-57CN-RJ45 Hi-PoE Midspan



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



DS-1662ZJ Pendant Mount



DS-1682ZJ
Extendable Pole for
Pendant Mount



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

HIKVISION°

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