

## DS-2DF8225IX-AELW (T3) 2MP 25 × Network IR Speed Dome

DarkFighter



Hikvision DS-2DF8225IX-AELW (T3) 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.

- 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), 0 Lux with IR
- 25 × optical zoom, 16 × digital zoom
- 140 dB WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- Up to 400 m IR distance
- Support H.265+/H.265 video compression
- Support vandal-proof alarm
- Support face capture to detect, track, capture, grade, and select face in motion
- Support road traffic to detect vehicles, including license plate number, vehicle model, and vehicle color
- Support Rapid focus
- IP67



## ▪ Specification

| Camera Module         |  |
|-----------------------|--|
| Image Sensor          | 1/1.8" progressive scan CMOS   |
| Min. Illumination     | Color: 0.002 Lux @ (F1.5, AGC ON), B/W: 0.0002 Lux @ (F1.5, AGC ON), 0 Lux with IR   |
| Shutter Speed         | 1/1 s to 1/30,000 s  |
| Focus                 | semi-auto, manual, auto  |
| Day & Night           | ICR  |
| BLC                   | Yes  |
| WDR                   | 140 dB WDR   |
| HLC                   | Yes  |
| 3D DNR                | Yes  |
| EIS                   | Yes  |
| Regional Exposure     | Yes  |
| Regional Focus        | Yes  |
| Digital Zoom          | 16 ×   |
| Optical Zoom          | 25 ×   |
| Privacy Mask          | up to 24 masks, polygon region, mosaic mask, mask color configurable   |
| General Function      | mirror, password protection, watermark, IP address filter  |
| Lens                  |  |
| Focal Length          | 5.9 mm to 147.5 mm, 25 × Optical   |
| Zoom Speed            | Approx. 4.8 s (optical, wide-tele)   |
| FOV                   | Horizontal field of view: 59.8° to 3.3° (wide-tele),<br>Vertical field of view: 33.7° to 1.9° (wide-tele),<br>Diagonal field of view: 65° to 3.8° (wide-tele)            |
| Aperture              | F1.5 to F3.4   |
| PTZ                   |  |
| Movement Range (Pan)  | 360°   |
| Movement Range (Tilt) | -20° to 90° (auto flip)  |
| Pan Speed             | pan speed: configurable from 0.1° to 210°/s; preset speed: 280°/s  |
| Tilt Speed            | tilt speed: configurable from 0.1° 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  |
| 3D Positioning        | Yes  |
| 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                                    |
| Video                 |  |
| Max. Resolution       | 1920 × 1080  |
| Main Stream           | 50Hz:<br>25fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>50fps (1920 × 1080, 1280 × 960, 1280 × 720)  |
|                       | 60Hz:<br>30 fps (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) |
| Video Compression     | H.265, H.264, MJPEG  |
| H.264 Type            | baseline profile, main profile, high profile   |
| H.265 Type            | main profile   |
| H.264+                | yes  |
| H.265+                | yes  |
| SVC                   | Yes  |
| ROI                   | dynamic face tracking, fixed region, dynamic license plate tracking  |

|                         |  |
|-------------------------|--|
| <b>Audio</b>            |  |
| Audio Compression       | G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM   |
| Audio Bit rate          | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 Kbps to 192 Kbps(MP2L2)   |
| <b>Smart Features</b>   |  |
| Face Capture            | Support detecting up to 30 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face.   |
| Road Traffic            | Support vehicle detection (license plate number, vehicle model, and vehicle color recognition)   |
| Basic Event             | motion detection, video tampering alarm, alarm input and output  |
| Smart Event             | Unattended Baggage Detection, Object Removal Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Audio Exception Detection   |
| Smart Tracking          | manual tracking, event tracking, auto-tracking   |
| Smart Record            | ANR, Dual-VCA  |
| 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.   |
| Vandal-proof Alarm      | Yes  |
| <b>Network</b>          |  |
| 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   |
| API                     | ISAPI ,Hikvision SDK,ONVIF (Profile S, Profile G, Profile T)   |
| 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+, Firefox 30.0+, Safari 11+  |
| <b>Interface</b>        |  |
| Communication Interface | 1 RJ45 10 M/100 M Ethernet Interface; Hi-PoE   |
| On-board Storage        | Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR   |
| Alarm Input             | 7 alarm inputs   |
| Alarm Output            | 2 alarm outputs  |
| Audio Input             | 1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%  |
| Audio Output            | 1 audio output, line level, impedance: 600 Ω   |
| Video Output            | 1.0V[p-p]/75Ω, PAL, NTSC, BNC connector  |
| RS-485                  | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |
| <b>Supplement Light</b> |  |
| IR Distance             | 400 m  |
| Smart IR                | Yes  |
| <b>General</b>          |  |
| Power                   | 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)   |
| Operating Conditions    | Temperature: -40°C to 70°C (-40°F to 158°F), Humidity: ≤ 95%   |
| Wiper                   | yes  |
| Dimensions              | Φ 266.6 mm × 410 mm (Φ 10.50" × 16.14")  |
| Weight                  | Approx. 8 kg (17.64 lb)  |
| Web Client Language     | 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) |
| <b>Approval</b>         |  |
| Protection              | Lightning Protection, Surge Protection and Voltage Transient Protection, ±6 kV Line to Gnd, ±3 kV Line to Line, IEC61000-4-5, IP67 Standard  |

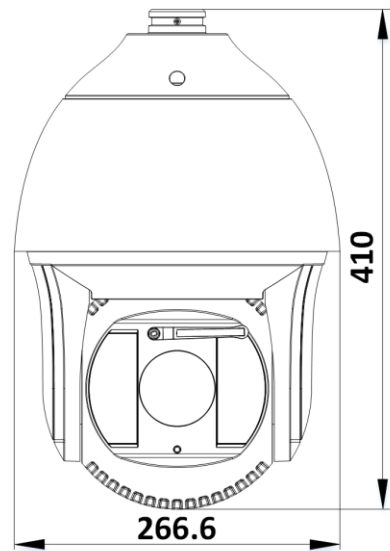
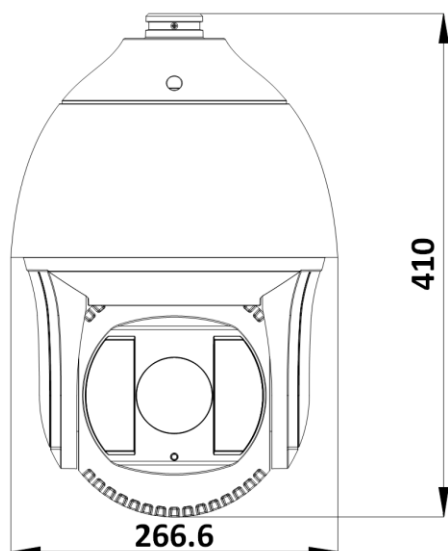
## DORI

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) | 2034.5 m (6674.9 ft) | 807.3 m (2648.6 ft) | 406.9 m (1335.0 ft) | 203.4 m (667.3 ft) |

## Dimension



Unit: mm

## Accessory

### Included:

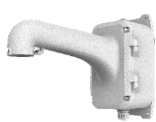


Installation Adapter

### Optional:



DS-1604ZJ



DS-1604ZJ-box



DS-1604ZJ-box-pole



DS-1604ZJ-box-corner



DS-1660ZJ



DS-1619ZJ



DS-1661ZJ



DS-1662ZJ



DS-1663ZJ



DS-1667ZJ



DS-1602ZJ



DS-1604ZJ-Corner



DS-1604ZJ-Pole



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



LAS60-57CN-RJ45  
Hi-PoE Midspan

## ▪ Available Model

DS-2DF8225IX-AELW (T3)

Distributed by



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