

## DS-2DF7225IX-AELW (T3) 2 MP 25 × Network IR Speed Dome

DarkFighter



Hikvision DS-2DF7225IX-AELW 2 MP 25 × Network IR Speed Dome adopts 1/2.8" 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

- 1/2.8" progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. Illumination:  
Color: 0.002 Lux @(F1.2, AGC ON)  
B/W: 0.0002 Lux @(F1.2, AGC ON)  
0 Lux with IR
- 25 × optical zoom, 16 × digital zoom
- 120dB WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- Up to 300 m IR distance
- Support H.265+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- 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
- Rapid focus
- IP66



## Specification

Camera Module	
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.002 Lux @(F1.2, AGC ON) B/W: 0.0002 Lux @(F1.2, 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 Lamp/Sodium Lamp
Day & Night	IR cut filter
Digital Zoom	16 ×
Privacy Mask	Up to 24 masks, polygon region, mosaic mask, mask color configurable
Focus Mode	Auto/Semi-automatic/Manual
3D DNR	Yes
BLC	Yes
HLC	Yes
WDR	120dB
Defog	Yes
EIS	Yes
Regional Exposure	Yes
Regional Focus	Yes
Rapid Focus	Yes
Lens	
Focal Length	4.8 mm to 120 mm, 25 × Optical
Zoom Speed	Approx. 4.8 s (optical lens, wide-tele)
Field of View	Horizontal field of view: 58.4° to 2.7° (wide-tele) Vertical field of view: 33.8° to 1.5° (wide-tele) Diagonal field of view: 65.6° to 3.1° (wide-tele)
Aperture	F1.2 to F2.8
PTZ	
Movement Range (Pan)	360° endless
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Movement Range (Tilt)	From -15° to 90° (auto flip)
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Proportional Zoom	Yes
Presets	300
Patrol Scan	8 patrols
Pattern Scan	4 pattern scans
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
Smart Features	
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	Audio exception detection, motion detection, alarm input and output
Smart Event	Intrusion, line crossing, region entrance, region exiting, unattended baggage detection, object removal 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	dynamic face tracking, dynamic license plate tracking, dynamic target tracking
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
<b>IR</b>	
IR Distance	300 m
Smart IR	Yes
<b>Network</b>	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (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)
SVC	Yes
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
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 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
<b>System Integration</b>	
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 $\Omega$ $\pm$ 10% 1-ch audio output, line level, impedance: 600 $\Omega$
Alarm Linkage	Preset, patrol scan, pattern scan, memory card video recording, sending email, notify surveillance center, upload to FTP,NAS video recording
Network Interface	RJ45, self-adaptive 10 M/100 M Ethernet Interface
BNC	1.0V [p-p]/75 $\Omega$ , NTSC (or PAL) composite
RS-485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive
Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR
API	ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK
Client	iVMS-4200, Hik-Connect, HikCentral

Web Browser	IE 8 to 11, Chrome 31.0+, Firefox 30.0+, Safari 11+
<b>General</b>	
Language (Web Browser Access)	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)
Power	24 V,3.0A, 50/60Hz, AC (Max. 60 W), Hi-PoE, 42.5 to 57V,1.41A (Max. 50 W) Total max. 60W, including max. 18 W for IR, max. 6 W for heater.
Working Temperature	-40°C to 70°C (-40°F to 158°F)
Working Humidity	≤ 95%
Protection Level	IP66 Standard
Wiper	Yes
Dimensions	Φ 245 mm × 373.94 mm (Φ 9.65" × 14.72")
Weight	Approx. 6 kg (13.23 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.

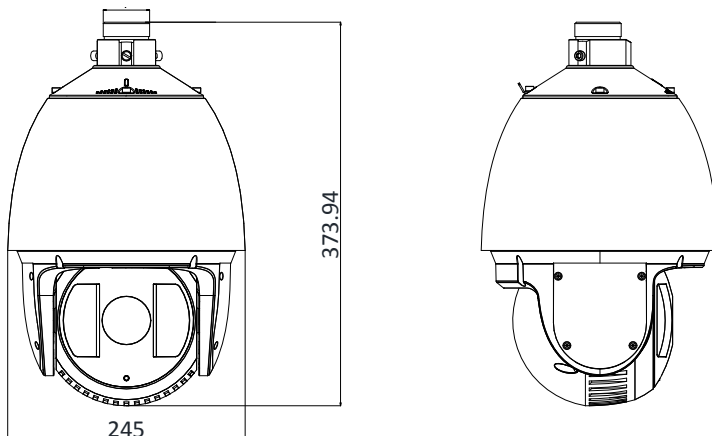
It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	1598.6 m (5244.8 ft)	634.4 m (2081.4 ft)	319.7 m (1048.9 ft)	159.9 m (524.6 ft)

## Order Model

DS-2DF7225IX-AELW (T3)

## Dimensions



Unit: mm

## Accessory

### Included:

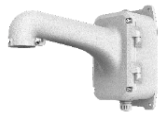


Installation Adapter

### 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

Distributed by



LAS60-57CN-RJ45  
Hi-PoE midspan



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



### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

Hikvision USA  
T +1-909-895-0400  
sales.usa@hikvision.com

Hikvision Australia  
T +61-2-8599-4233  
salesau@hikvision.com

Hikvision India  
T +91-22-28469900  
sales@pramahikvision.com

Hikvision Canada  
T +1-866-200-6690  
sales.canada@hikvision.com

Hikvision Thailand  
T +662-275-9949  
sales.thailand@hikvision.com

Hikvision Europe  
T +31-23-5542770  
sales.eu@hikvision.com

Hikvision Italy  
T +39-0438-6902  
info.it@hikvision.com

Hikvision Brazil  
T +55 11 3318-0050  
Latam.support@hikvision.com

Hikvision Turkey  
T +90 (216)521 7070- 7074  
sales.tr@hikvision.com

Hikvision Malaysia  
T +601-7652-2413  
sales.my@hikvision.com

Hikvision UK & Ireland  
T +01628-902140  
sales.uk@hikvision.com

Hikvision South Africa  
Tel: +27 (10) 0351172  
sale.africa@hikvision.com

Hikvision France  
T +33(0)1-85-330-450  
info.fr@hikvision.com

Hikvision Kazakhstan  
T +7-727-9730667  
nikia.panfilov@hikvision.ru

Hikvision Vietnam  
T +84-974270888  
sales.vt@hikvision.com

Hikvision UAE  
T +971-4-4432090  
salesme@hikvision.com

Hikvision Singapore  
T +65-6684-4718  
sg@hikvision.com

Hikvision Spain  
T +34-91-737-16-55  
info.es@hikvision.com

Hikvision Tashkent  
T +99-87-1238-9438  
uzb@hikvision.ru

Hikvision Hong Kong  
T +852-2151-1761  
info.hk@hikvision.com

Hikvision Russia  
T +7-495-669-67-99  
saleru@hikvision.com

Hikvision Korea  
T +82-(0)31-731-8817  
sales.korea@hikvision.com

Hikvision Poland  
T +48-22-460-01-50  
info.pl@hikvision.com

Hikvision Indonesia  
T +62-21-2933759  
Sales.Indonesia@hikvision.com

Hikvision Colombia  
sales.colombia@hikvision.com