HIKVISION

DS-2DF5225X-AEL   (T3)
2 MP 25 × Network Speed Dome

DarkFighter

WDR | SD | 3D DNR | (night/day icon)

HD | PoE | Alarm | H.265
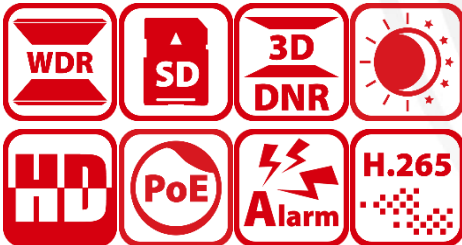
Hikvision DS-2DF5225X-AEL 2 MP 25 × Network Speed Dome adopts 1/2.8" progressive scan CMOS chip. With the 25 × optical zoom lens, the camera offers more details over expansive areas.

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.

- 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)
- 25 × optical zoom, 16 × digital zoom
- 120dB WDR, 3D DNR, HLC
- 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
- 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
- IK 10, IP 66

Specifications

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)
Shutter Time	1 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	120 dB WDR
Defog	Yes
EIS	Yes
Regional Exposure	Yes
Regional Focus	Yes

Lens	
Focal Length	4.8 to 120 mm, 25 × optical zoom
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

PTZ	
Movement Range (Pan)	360° endless
Pan Speed	Configurable, from 0.1°/s to 300°/s. Preset speed: 540°/s
Movement Range (Tilt)	From -15° to 90° (auto flip)
Tilt Speed	Configurable, from 0.1°/s to 240°/s. Preset speed: 400°/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	Yes
Premier Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)

Network

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 user 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, 2.0 to 2.4 V[p-p], 1kΩ ± 10% 1-ch audio output , line level, impedance: 600Ω
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 Ω, 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+
General	
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)
Power	24 V, 3.0 A, 50/60Hz, AC (max. 60 W, including max. 40 W for heater), Hi-PoE, 42.5-57 V,1.41 A (max. 50 W, including max. 20 W for heater)
Working Temperature	-40°C to 70°C (-40°F to 158°F)
Working Humidity	≤95%
Protection Level	IP66 Standard, IK10
Dimensions	Φ 220 mm × 302 mm (Φ 8.66" × 11.89")
Weight	Approx. 4 kg (8.82 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)

Available Model

DS-2DF5225X-AEL　(T3)

Dimensions

Outdoor Speed Dome

302

Φ 156

Φ 220
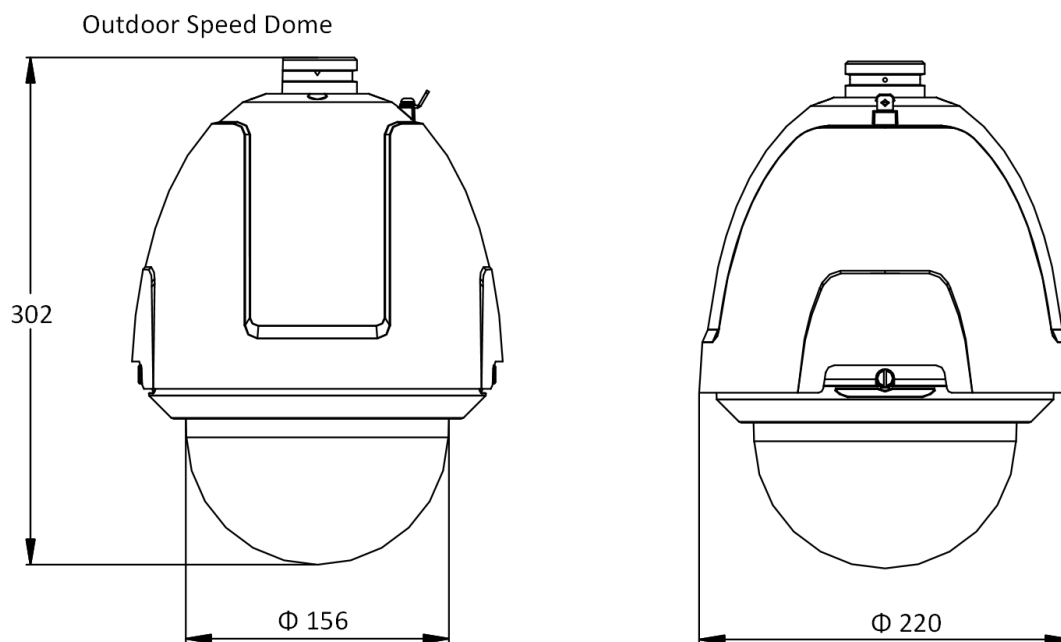
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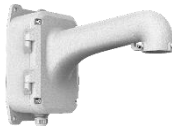
Accessory

Included

DS-1681ZJ
Installation Adapter
(for outdoor model)

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
(for outdoor model)

HKA-A24220-230 (EU)
HKKD-12077 (USA)
HKA-A24250-230-BS (UK)
PSE-A1525/5060 (JP)
Power adapter
(for indoor model)

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Distributed by

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