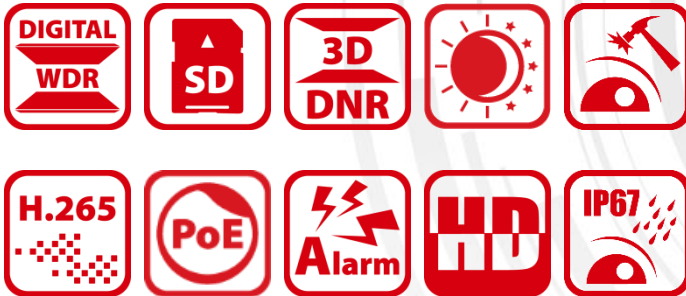


DS-2DF8836I5X-AEL(W) 8MP 36× Network Laser Speed Dome



Hikvision DS-2DF8836I5X-AEL(W) 8MP 36× Network Laser Speed Dome adopts 2/3" progressive scan CMOS chip. With the 36× 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
- 36× optical zoom, 16× digital zoom
- Digital WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- Up to 500 m laser 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

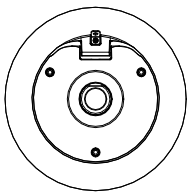
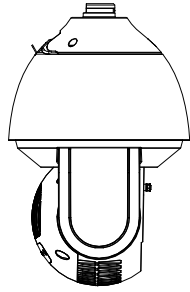
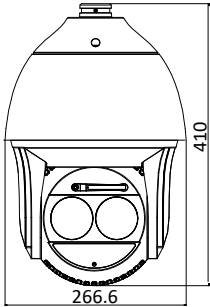
| Camera Module | |
|-----------------------|--|
| Image Sensor | 2/3" progressive scan CMOS |
| Min. Illumination | Color: 0.005 Lux @(F1.5, AGC ON) B/W: 0.0005 Lux @(F1.5, AGC ON) 0 Lux with IR |
| Shutter Time | 1/1 s to 1/30,000 s |
| White Balance | Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp |
| AGC | Auto/Manual |
| Day & Night | IR cut filter |
| Digital Zoom | 16× |
| Privacy Mask | 24 programmable polygon privacy masks |
| Focus Mode | Auto/Semi-automatic/Manual |
| 3D DNR | Support |
| BLC | Support |
| HLC | Support |
| Digital WDR | Support |
| Optical Defog | Support |
| EIS | Support |
| Regional Exposure | Support |
| Regional Focus | Support |
| Lens | |
| Focal Length | 7.5 mm to 270 mm, 36× Optical |
| Zoom Speed | Approx. 7.8 s (optical lens, wide-tele) |
| Field of View | Horizontal field of view: 56.1° to 2.0° (wide-tele) Vertical field of view: 33.4° to 1.1° (wide-tele) Diagonal field of view: 62.9° to 2.3° (wide-tele) |
| Working Distance | 10 mm to 1500 mm (wide-tele) |
| Aperture Range | F1.5 to F4.5 |
| 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° (Auto-flip) |
| Tilt Speed | Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s |
| Proportional Zoom | Support |
| 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: | Support |
| Park Action | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan |
| PTZ Status Display | Support |
| Preset Freezing | Support |
| 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 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 | 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 | Support |
| Laser | |
| Laser Distance | 500 m |
| 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) 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) 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) |
| ROI | Support |
| SVC | Support |
| Video Compression | Main Stream: H.265+/H.265/H.264+/H.264 Sub-Stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG 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, 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 |
| System Integration | |
| Alarm Interface | 7-ch alarm input/2-ch alarm output |
| Audio Interface | 1-ch audio input (applicable microphone, plug-in power type), 2 to 2.4 V[p-p], 1 K Ω \pm 10% 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 (NPS, SMB/CIFS), ANR |
| API | Open-ended, support ONVIF, and CGI, support HIKVISION SDK and Third-Party Management Platform |
| Client | iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect |
| Web Browser | IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51 |
| General | |
| Power | 24 VAC (Max. 60 W) Hi-PoE (Max. 50 W) |
| Working Temperature | Outdoor: -40°C to 70°C (-40°F to 158°F) |
| Working Humidity | \leq 90% |
| Protection Level | IP67 Standard, IK10 (only supported by camera without wiper), TVS 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) |

Order Model

DS-2DF8836I5X-AELW (B), with wiper, 24 VAC & Hi-PoE

Dimensions



Unit: mm

Accessories

| | | |
|---|----------------------|--|
|  | DS-1604ZJ | Wall Mounting Bracket |
|  | DS-1604ZJ-box | Wall Mounting Bracket with Junction Box |
|  | DS-1604ZJ-box-pole | Vertical Pole Mounting Bracket with Junction Box |
|  | DS-1604ZJ-box-corner | Wall Mounting Bracket with Junction Box |
|  | DS-1660ZJ | Parapet Wall Mounting Bracket |
|  | DS-1619ZJ | Gooseneck Mounting Bracket |
|  | DS-1661ZJ | Pendant Mounting Bracket |
|  | DS-1662ZJ | Pendant Mounting Bracket |
|  | DS-1663ZJ | Ceiling Mounting Bracket |
|  | DS-1667ZJ | Extendable Pole for Pendant Mounting Bracket |
|  | DS-1673ZJ | Horizontal Pole Mounting Bracket |
|  | DS-1682ZJ | Extendable Pole for Pendant Mounting Bracket |

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