

## Hikvision DarkFighter 4MP 35x Network IR PTZ Camera (DS-2DF9C435IH-DLW)



Product Name: Hikvision DarkFighter 4MP 35x Network IR PTZ Camera (DS-2DF9C435IH-DLW)

Manufacturer: Hikvision

Model Number: DS-2DF9C435IH-DLW

Hikvision DarkFighter 4MP 35x Network IR PTZ Camera (DS-2DF9C435IH-DLW)

The Hikvision DS-2DF9C435IH-DLW 4MP 35x Network IR PTZ Camera belongs to the DarkFighterX camera family. With the patented dual-sensor design, it is able to process color and brightness independently and outputs one FULL-COLOUR image. This series of cameras can be widely used for wide ranges of high-definition, such as the river, forest, road, railway, airport, port, square, park, scenic spot, station and large venue, etc.

Hikvision DS-2DF9C435IH-DLW Key Features

- Dual-sensor, 1/1.8" progressive scan CMOS
- Full-colour image output
- Up to 2688 × 1512 resolution
- Min. illumination: Colour: 0.0005 Lux @(F1.5, AGC ON) B/W: 0.0001 Lux @(F1.5, AGC ON) 0 Lux with IR
- 35x optical zoom, 16x digital zoom
- 120 dB WDR, 3D DNR, HLC, BLC, EIS, Chromatic Defog
- Support H.265+/H.265 video compression
- Support rapid focus
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Up to 250 m IR distance. Smart IR
- Rain-sensing auto wiper
- IP67

Hikvision DS-2DF9C435IH-DLW Technical Specifications

Camera Module

- Image Sensor: Dual-sensor, 1/1.8" progressive scan CMOS
- Min. Illumination: Colour: 0.0005 Lux @(F1.5, AGC ON), B/W: 0.0001 Lux @(F1.5, AGC ON), 0 lux with IR
- White Balance: Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
- Gain: Auto/Manual
- Shutter Time: 50Hz: 1/1 s to 1/30,000 s 60Hz: 1/1 s to 1/30,000 s
- Day & Night: Controlled by dual-sensor
- Digital Zoom: 16x
- Privacy Mask: 24 programmable privacy masks with configurable colour
- Focus Mode: Auto/Semi-automatic/Manual
- WDR: 120 dB
- Rapid Focus: Yes

Lens

- Focal Length: 5.9 mm to 206.5 mm, 35x Optical
- Zoom Speed: Approx. 4.4 s (optical lens, wide-tele)
- Field of View: Horizontal field of view: 58.9°; to 2.2° (wide-tele) Vertical field of view: 35.3°; to 1.2° (wide-tele) Diagonal field of view: 65.9°; to 2.5° (wide-tele)
- Working Distance: 10 mm to 1500 mm (wide-tele)
- Aperture Range: F1.6 to F4.4

## Hikvision DarkFighter 4MP 35x Network IR PTZ Camera (DS-2DF9C435IH-DLW)

### IR

- IR Distance: Up to 250 m
- Smart IR: Yes

### PTZ

- Movement Range (Pan): 360°; endless
- Pan Speed: Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
- Movement Range (Tilt): From -25°; to 90°;
- Tilt Speed: 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
- Park Action: Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan
- 3D Positioning: Yes
- PTZ Status Display: On/off
- 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

### Compression Standard

- 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 Type: Baseline Profile/Main Profile/High Profile
- H.264+: Yes
- H.265 Type: Main Profile
- H.265+: Yes
- Video Bitrate: 32 Kbps to 16384 Kbps
- Audio Compression: G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM
- Audio Bitrate: 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 Kbps to 192 Kbps(MP2L2)
- SVC: Yes

### Smart Feature

- 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: Unattended Baggage Detection, Object Removal Detection, Face Detection, Audio Exception Detection Motion Detection, Video Tempering Alarm, Exception (HDD Full, HDD Error, Illegal Login, IP Address Conflict, Network Disconnected)
- 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: Main stream, sub-stream and third stream respectively support eight fixed areas.

### Image

## Hikvision DarkFighter 4MP 35x Network IR PTZ Camera (DS-2DF9C435IH-DLW)

- Max. Resolution: 2688 × 1512
- Main Stream: 50Hz: 25fps (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2688 × 1512, 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)
- Image Enhancement: HLC/BLC/3D DNR/Chromatic Defog/EIS/Regional Exposure/Regional Focus

### Network

- Network Storage: Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANR
- Alarm Linkage: Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Alarm Output, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc.
- Protocols: IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
- API: Open-ended, support ONVIF, and CGI, support HIKVISION SDK and Third-Party Management Platform
- 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, Hik-Centra
- Web Browser: IE8+, Chrome31-44, Firefox30-51, Safari 8.0-12

### Interface:

- Alarm: 7-ch alarm input/2-ch alarm output
- Audio: 1-ch Audio Input, 2.0 to 2.4Vp-p, 1k Ohm±10%; 1-ch Audio output Line level, impedance: 600Ω
- Network Interface: 1 RJ45 self-adaptive 10 M/100 M Ethernet Interface
- RS-485: HIKVISION, Pelco-P, Pelco-D, self-adaptive
- BNC: 1.0V [p-p]/75 Ω, NTSC (or PAL) composite, BNC

### General

- Power: 36 VDC, max. 105 W (includes max. 18 W for IR)
- Working Environment: Temperature: Outdoor: -40°C to 70°C (-40°F to 158°F) Humidity: ≤ 90%
- Protection Level: IP67 Standard. Lightning protection, surge protection and voltage transient protection meets IEC61000-4-2-2/3/4/5/6
- Wiper: Yes. Rain-sensing auto control
- Material: ADC12
- Dimensions: Φ; 293 mm × 422 mm (Φ; 11.5" × 16.6")
- Weight: Approx. 12 kg (26.5 lb.)

## Hikvision DarkFighter 4MP 35x Network IR PTZ Camera (DS-2DF9C435IH-DLW)

**Please Enquire**

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