DS-2CD4125FWD-IZ
2MP Smart IP Indoor Dome Camera

**Lightfighter series** is Hikvision Smart IPC and features complete Smart functions including:

**Smart Detection**
Intrusion Detection, Line Crossing Detection, Object Left/Removal, Area Entering/Leaving, Scene Change Detection, Audio Surge Detection, Audio Loss Detection, Defocus Detection, Face Detection, Object Counting, etc.

**Smart Codec**
Smart Recording with dual-VCA, Low Bitrate, Low Latency, ROI enhancement, Multi-stream, Edge Recording, etc.

The Lightfighter series Smart cameras are able to capture high quality colored images in back light environment. DS-2CD4125FWD offers Full HD resolution with up to 60fps high frame rate, 140dB WDR, PoE, Defog, 3D DNR and complete Smart Feature-set to meet a wide variety of applications.

- 1/2.8” Progressive Scan CMOS
- 1080p @ 60fps frame rate
- High light environment
- Slow shutter
- 140dB WDR
- 3D DNR
- Audio/Alarm IO
- Support 128G on-board storage
- DC12V/PoE(802.3af)
Key Features

Smart
- 6 behavior analysis, 4 exception detections, 1 recognition, 1 statistic function.
- Smart recording: Support edge recording and dual-VCA.
- Smart encoding: Support low bit rate; low latency; ROI enhance encoding
- Smart lens options: AF lens

Image
- HD 1920 × 1080@60fps
- Support suitable for environment as corridor.
- Support regional cropping, details can be seen with low bandwidth.
- Code smoothness setting for different requirements of image quality and fluency.
- Support H.264+/H.264/MJPEG video compression, multi-level video quality configuration; support Basic/Main/High Profile H.264 encoding complexity.
- Multiple OSD color: Black & white self-adaptive; Custom
- Digital WDR is supportable for backlight environment.
- Support defog, BLC, HLC.

Infrared
- Irradiation distance is up to 30m
- Smart IR, prevent over-exposure in close distance

System
- Support ONVIF (profile S/profile G), ISAPI protocol.
- Support three streams, and Support 20 channels live view at the same time.
- AF automatic fast focus, maintain focused during zooming
- Anti-surge, anti-static, IK10 protection level.

Interface
- Support standard 128G Micro SD/SDHC/SDXC card storage.
- Support 10M/100M/1000M Ethernet Port.
- Support Audio I/O.
- Support Alarm I/O
- Support CVBS analog output (4CIF resolution)

Security
- Support three-level user authentication management, user and password authorization, IP address filtering and anonymous access.
- Support security certificate as HTTPS; support creating certificate.
- Basic and digest authentication is supportable in IE configuration
- Lock user IP for many times error login
### Specification

**Camera**
- **Image Sensor**: 1/2.8” Progressive Scan CMOS
- **Min. Illumination**: 0.005 Lux @ (F1.2, AGC ON), 0 lux with IR
  0.007 Lux @ (F1.4, AGC ON), 0 lux with IR
- **Shutter Speed**: 1s ~ 1/100,000s
- **Slow Shutter**: Support
- **Lens**: 2.8-12mm @ F1.4, angle of view: 113-33.8°
- **Lens Mount**: Φ14
- **Angle Adjustment**: Pan: 0°-355°, Tilt: 0°-75°, Rotation: 0°-355°
- **Auto-iris**: DC drive
- **Day & Night**: Electronic (-I: IR cut filter with auto switch)
- **WDR**: 140dB

**Compression Standard**
- **Video Compression**: H.264+/H.264/MJPEG
- **H.264 Type**: Baseline Profile / Main Profile / High Profile
- **Video Bit Rate**: 32 Kbps ~ 16 Mbps
- **Audio Compression**: G.711/G.722.1/G.726/MP2L2
- **Audio Bit Rate**: 64Kbps (G.711) / 16Kbps (G.722.1) / 16Kbps (G.726) / 32-128Kbps (MP2L2)

**Image**
- **Max. Resolution**: 1920 × 1080
- **Frame Rate**: 50Hz: 50fps (1920 × 1080)/(1280 × 960)/(1280 × 720)
  60Hz: 60fps (1920 × 1080)/(1280 × 960)/(1280 × 720)
- **Third Stream**: Independent with Main Stream and Sub Stream, up to 50/60Hz: 20fps(1280 × 720)
- **Image Enhancement**: BLC/HLC/3D DNR/ROI/Defog
- **Image Setting**: Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
- **Regional Cropping**: Support
- **Day/Night Switch**: Auto/Schedule/Triggered by Alarm In
- **Picture Overlay**: LOGO picture can be overlaid on video with 128x128 24bit bmp format

**Network**
- **Network Storage**: NAS (Support NFS,SMB/CIFS), ANR
- **Alarm Trigger**: Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
- **Protocols**: TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
- **Security**: User Authentication, Watermark, IP address filtering, Anonymous access
- **Standard**: ONVIF(PROFILE S,PROFILE G),ISAPI

**Interface**
- **Audio**: 1-ch 3.5 mm audio in (Mic in/Line in)/out interface
- **Communication Interface**: 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface
- **Alarm**: 1 input, 1 output (up to DC24V 1A or AC110V 500mA )
- **Video Output**: 1Vp-p composite output (75 Ω/BNC)
- **On-board storage**: Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
- **Reset Button**: Yes
### Audio
- Environment Noise Filtering: Support
- Audio I/O: Support
- Audio Sampling Rate: 16kHz / 32kHz / 44.1kHz / 48kHz

### Smart Feature-set
<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line Crossing Detection</td>
<td>Cross a pre-defined virtual line</td>
</tr>
<tr>
<td>Intrusion Detection</td>
<td>Enter and loiter in a pre-defined virtual region</td>
</tr>
<tr>
<td>Region Entrance</td>
<td>Enter a pre-defined virtual region from the outside place</td>
</tr>
<tr>
<td>Region Exiting</td>
<td>Exit from a pre-defined virtual region</td>
</tr>
<tr>
<td>Unattended Baggage</td>
<td>Objects left over in the pre-defined region such as the baggage, purse, dangerous materials</td>
</tr>
<tr>
<td>Object Removal</td>
<td>Objects removed from the pre-defined region, such as the exhibits on display.</td>
</tr>
<tr>
<td>Exception Detections</td>
<td>Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection</td>
</tr>
<tr>
<td>Recognition</td>
<td>Face detection</td>
</tr>
<tr>
<td>Statistics</td>
<td>Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)</td>
</tr>
</tbody>
</table>

### General
- Impact Protection: IK10
- IR Distance: 30m
- Operating Conditions: -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)
- Power Supply: 12 V DC ± 10%, PoE (802.3af)
- Power Consumption: Max. 6 W (Max. 9W, IR: 2W, motorized VF lens: 1W)
- Dimensions: Φ 140 × 121.8 mm (Φ 5.51” × 4.80”)
- Weight: 1400 g (3.09 lbs)

### Order Models
- DS-2CD4125FWD-IZ

### Accessories
- DS-1271ZJ-130 Pendant Mount
- DS-1273ZJ-130 Wall Mount
- DS-1273ZJ-130B Wall mount
- DS-1275ZJ-SUS Vertical pole Mount
- DS-1276ZJ-SUS Corner Mount
- DS-1281ZJ-DM23 Inclined ceiling Mount
- DS-1227ZJ In-ceiling Mount

---

**Dimensions**

![Dimension Diagram](image-url)