



# Hikvision DS-2CD2345FWD-I

4MP Powered by DarkFighter Fixed Turret Network Camera ·  
Specification summary



|                               |                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Image Sensor</b>           | 1/2.5" Progressive Scan CMOS                                                                                                                                                                                                                                                                                                          |
| <b>Min. Illumination</b>      | Color: 0.008 lux @(F1.2, AGC ON), 0.014 lux @(F1.6, AGC ON), 0 lux with IR                                                                                                                                                                                                                                                            |
| <b>Shutter Speed</b>          | 1/3 s to 1/100,000 s                                                                                                                                                                                                                                                                                                                  |
| <b>Slow Shutter</b>           | Yes                                                                                                                                                                                                                                                                                                                                   |
| <b>Wide Dynamic Range</b>     | 120dB                                                                                                                                                                                                                                                                                                                                 |
| <b>Day &amp; Night</b>        | IR Cut Filter                                                                                                                                                                                                                                                                                                                         |
| <b>Focus</b>                  | Fixed                                                                                                                                                                                                                                                                                                                                 |
| <b>FOV</b>                    | 2.8 mm, horizontal FOV: 109°, vertical FOV: 60°, diagonal FOV: 131°;4 mm, horizontal FOV: 88°, vertical FOV: 46°, diagonal FOV: 105°;6 mm, horizontal FOV: 53°, vertical FOV: 30°, diagonal FOV: 61°;8 mm, horizontal FOV: 41°, vertical FOV: 23°, diagonal FOV: 48°;12 mm, horizontal FOV: 25°, vertical FOV: 14°, diagonal FOV: 29° |
| <b>Lens Mount</b>             | M12                                                                                                                                                                                                                                                                                                                                   |
| <b>IR Range</b>               | Up to 30 m                                                                                                                                                                                                                                                                                                                            |
| <b>Max. Resolution</b>        | 2688 × 1520                                                                                                                                                                                                                                                                                                                           |
| <b>Main Stream</b>            | 50Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)<br>60Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)                                                                                                                                                                                                  |
| <b>Sub Stream</b>             | 50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240)□60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)                                                                                                                                                                                                                                         |
| <b>Video Compression</b>      | Main stream: H.265/H.264,Sub-stream: H.265/H.264/MJPEG,                                                                                                                                                                                                                                                                               |
| <b>Video Bit Rate</b>         | 32 Kbps to 16 Mbps                                                                                                                                                                                                                                                                                                                    |
| <b>H.264 Type</b>             | Main Profile/High Profile                                                                                                                                                                                                                                                                                                             |
| <b>H.265 Type</b>             | Main Profile                                                                                                                                                                                                                                                                                                                          |
| <b>H.264+</b>                 | Support                                                                                                                                                                                                                                                                                                                               |
| <b>H.265+</b>                 | Support                                                                                                                                                                                                                                                                                                                               |
| <b>Simultaneous Live View</b> | Up to 6 channels                                                                                                                                                                                                                                                                                                                      |
| <b>API</b>                    | ONVIF (PROFILE S, PROFILE G), ISAPI                                                                                                                                                                                                                                                                                                   |

|                                         |                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protocols</b>                        | TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets                                                                                                                                                                |
| <b>User/Host</b>                        | Up to 32 users,3 levels: Administrator, Operator and User,                                                                                                                                                                                                                                                                                |
| <b>Security</b>                         | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2                                                                                       |
| <b>Network Storage</b>                  | Support microSD/SDHC/SDXC card (128G), local storage and NAS (NFS, SMB/CIFS), ANR                                                                                                                                                                                                                                                         |
| <b>Client</b>                           | iVMS-4200, Hik-Connect, Hik-Central                                                                                                                                                                                                                                                                                                       |
| <b>Web Browser</b>                      | Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+                                                                                                                                                                                               |
| <b>Alarm Trigger</b>                    | Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error                                                                                                                                                                                                                          |
| <b>Day/Night Switch</b>                 | Day/Night/Auto/Schedule                                                                                                                                                                                                                                                                                                                   |
| <b>DNR</b>                              | 3D DNR                                                                                                                                                                                                                                                                                                                                    |
| <b>Image Enhancement</b>                | BLC/3D DNR/HLC                                                                                                                                                                                                                                                                                                                            |
| <b>Image Settings</b>                   | Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser                                                                                                                                                                                                                   |
| <b>On-board Storage</b>                 | Built-in microSD/SDHC/SDXC slot, up to 128 G                                                                                                                                                                                                                                                                                              |
| <b>Communication Interface</b>          | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                                                                                                                                                                               |
| <b>Basic Event</b>                      | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)                                                                                                                                                                                                        |
| <b>Smart Event</b>                      | Line crossing detection, intrusion detection, unattended baggage, object removal, face detection, scene change detection,unattended baggage detection                                                                                                                                                                                     |
| <b>Linkage Method</b>                   | Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, alarm output , Email                                                                                                                                            |
| <b>Firmware Version</b>                 | V5.5.52                                                                                                                                                                                                                                                                                                                                   |
| <b>Web Client Language</b>              | 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) |
| <b>General Function</b>                 | One-key reset, anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening, password protection, IP Address filtering, watermark                                                                                                                                              |
| <b>Startup and Operating Conditions</b> | -30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                               |
| <b>Power Supply</b>                     | 12 VDC ± 25%, Φ 5.5 mm coaxial plug powerPoE(802.3af, class 3)                                                                                                                                                                                                                                                                            |
| <b>Camera Dimension</b>                 | Camera: Φ 127.3 × 95.9 mm (Φ5" × 3. 8");Package: 150 × 150 × 141 mm (5.9" × 5.9" × 5.6")                                                                                                                                                                                                                                                  |
| <b>Camera Weight</b>                    | Camera: 620 g (1.4 lb.)                                                                                                                                                                                                                                                                                                                   |

Specifications are summarised from the manufacturer's published information (checked 2026-10-27). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

IS Distributions Sdn. Bhd., Kuching, Sarawak ·

<https://www.isdsb.com.my/product-hikvision-camera-ds-2cd2345fwd-i.html>