DS-2CD2142FWD-I (S)  
4MP WDR Fixed Dome Network Camera

- Up to 4 megapixel high resolution  
- Dual stream  
- 2.8mm/4mm/6mm fixed lens  
- 120dB Wide Dynamic Range  
- 3D Digital Noise Reduction  
- Language: Portuguese, English and Chinese  
- Support on-board storage, up to 128GB  
- DC12V & PoE  
- Support H.264+  
- Up to 30m IR range  
- IP67 weather-proof protection  
- IK10  
- -S: Audio/Alarm IO  
- Bit rate mode: CBR and VBR

Camera Accessories

- Inclined ceiling mount  
  DS-1259ZJ
- Wall mount  
  DS-1272ZJ-110
- Wall mount + Junction Box  
  DS-1272ZJ-110B
- Pendant mount  
  DS-1271ZJ-110B
- Junction Box  
  DS-1280ZJ-DM18
- Corner mount  
  DS-1276ZJ
- Vertical Pole mount  
  DS-1275ZJ
- Rain-proof Cap  
  DS-1250ZJ

www.hikvision.com
### Specification

**Camera**
- **Image Sensor**: 1/3” Progressive Scan CMOS
- **Min. Illumination**: 0.05Lux @ (F1.2, AGC ON) in the color mode and 0.01Lux @ (F1.2, AGC ON) in B/W mode, 0 Lux with IR
- **Shutter Speed**: 1/3 s to 1/10,000 s
- **Lens**: 2.7mm, 4mm, 6mm @ F2.0, angle of view: 106°(2.7mm), 83°(4mm), 55.4°(6mm)
- **Lens Mount**: M12
- **Day &Night**: IR cut filter with auto switch
- **DNR**: 3D DNR
- **White Balance**: Automatic/Manual
- **Wide Dynamic Range**: 120dB
- **P&T rotation**: Pan: 0° ~ 355°, Tilt: 0° ~ 75°, Rotation: 0° ~ 355°

**Compression Standard**
- **Video Compression**: H.264 / MJPEG/H.264+
- **H.264 Type**: Main Profile
- **Video Bit Rate**: 32 Kbps ~ 16 Mbps
- **Dual streams**: Support

**Image**
- **Max. Resolution**: 2688×1520
- **Max Frame Rate**: 60Hz: Main stream: 20fps(2688×1520), 25fps (2048x1536), 30fps(1920×1080), 30fps (1280x960), 30fps(1280×720), Sub stream: 30fps(352×240), 30fps(704×480)
- **Image Setting**: Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser and AGC
- **BLC**: Support, zone configurable
- **ROI Codec**: Support

**Network**
- **Network Storage**: NAS (Support NFS,SMB/CIFS), ANR
- **Detection**: Intrusion detection, Line crossing detection, Motion detection, Dynamic analysis
- **Alarm Trigger**: Tampering alarm, Network disconnect, IP address conflict, Storage exception
- **Protocols**: IPv4 and IPv6, TCP/IP, UDP, ICMP, HTTP, HTTPS, SSL, DHCP, FTP, DHCP, DNS, DDNS, RPT, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour, ARP
- **General Function**: Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, Anonymous access, log access of the user, 10 simultaneous connection.
- **Standard**: ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI

**Interface**
- **Communication Interface**: 1 RJ45 10M/100M Ethernet port, Base T
- **On-board storage**: Built-in Micro SD/SDHC/SDXC slot, up to 128GB
- **Alarm interface**: 1x alarm I/O *only for –S models
- **Audio interface**: 1x audio I/O *only for –S models
- **Reset**: Yes
### DS-2CD2142FWD-I (W)(S) 4MP WDR Fixed Dome Network Camera

<table>
<thead>
<tr>
<th><strong>Wi-Fi</strong>  <em>only for -W models</em></th>
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</thead>
<tbody>
<tr>
<td>Wireless Standards</td>
<td>IEEE802.11b, 802.11g, 802.11n</td>
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<tr>
<td>Frequency Range</td>
<td>2.4 GHz ~ 2.4835 GHz</td>
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<tr>
<td>Channel Bandwidth</td>
<td>20/40MHz Support</td>
</tr>
<tr>
<td>Protocols</td>
<td>802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM</td>
</tr>
<tr>
<td>Security</td>
<td>64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS</td>
</tr>
<tr>
<td>Transfer Rates</td>
<td>11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps</td>
</tr>
<tr>
<td>Wireless Range</td>
<td>50 meters *The performance varies based on actual environment.</td>
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</tbody>
</table>

### General

| Operating Conditions           | -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing) |
| Power Supply                  | DC12V ± 25%, PoE (802.3af Class3) |
| Power Consumption             | Max. 4W with the IR in ON |
| Warranty                      | The device has 36 months of the warranty |
| IR Range                      | Approx. 30 meters |
| Material                      | DS-2CD2142FWD-I, DS-2CD2142FWD-IS : Base&Top Cover: Metal |
|                               | DS-2CD2142FWD-IW, DS-2CD2142FWD-IWS: Base: Metal; Front Cover: Plastic |
| Ingress Protection            | IP67 |
| Impact Protection             | IK10 |
| Dimensions                    | Φ111 × 82 (4.4” × 3.2”) |
| Weight                        | 500g (1.1lbs) |

### Order Models

DS-2CD2142FWD-I, DS-2CD2142FWD-IS, DS-2CD2142FWD-IW, DS-2CD2142FWD-IWS  
-S: Audio/Alarm IO, -W: Built-in Wi-Fi

### Dimensions

![Dimensions Diagram]