Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 6 MP resolution
- Motorized varifocal lens for easy installation and monitoring
- Excellent low-light performance via powered-by-DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Focus on human and vehicle targets classification based on deep learning
- Audio and alarm interface available
- Water and dust resistant (IP66) and vandal proof (IK10)
### Specification

**Camera**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Sensor</td>
<td>1/2.4&quot; Progressive Scan CMOS</td>
</tr>
<tr>
<td>Min. Illumination</td>
<td>Color: 0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR</td>
</tr>
<tr>
<td>Shutter Speed</td>
<td>1/3 s to 1/100,000 s</td>
</tr>
<tr>
<td>Slow Shutter</td>
<td>Yes</td>
</tr>
<tr>
<td>Wide Dynamic Range</td>
<td>120 dB</td>
</tr>
<tr>
<td>P/N</td>
<td>P/N</td>
</tr>
<tr>
<td>Day &amp; Night</td>
<td>IR cut filter</td>
</tr>
<tr>
<td>Power-off Memory</td>
<td>Yes</td>
</tr>
<tr>
<td>Angle Adjustment</td>
<td>Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°</td>
</tr>
</tbody>
</table>

**Lens**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lens Type</td>
<td>Varifocal lens, motorized lens, 2.8 to 12 mm</td>
</tr>
<tr>
<td>Focal Length &amp; FOV</td>
<td>2.8 to 12 mm, horizontal FOV 99° to 35°, vertical FOV 53° to 20°, diagonal FOV 117° to 41°</td>
</tr>
<tr>
<td>Iris Type</td>
<td>Fixed</td>
</tr>
<tr>
<td>Aperture</td>
<td>F1.4</td>
</tr>
<tr>
<td>Lens Mount</td>
<td>Ø14</td>
</tr>
</tbody>
</table>

**DORI**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>DORI</td>
<td>2.8 to 12 mm: Wide: D: 80 m, O: 31 m, R: 16 m, I: 8 m Tele: D: 210 m, O: 83 m, R: 42 m, I: 21 m</td>
</tr>
</tbody>
</table>

**Illuminator**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplement Light Type</td>
<td>IR</td>
</tr>
<tr>
<td>Smart Supplement Light</td>
<td>Yes</td>
</tr>
<tr>
<td>IR Range</td>
<td>Up to 60 m</td>
</tr>
<tr>
<td>Wavelength</td>
<td>850 nm</td>
</tr>
</tbody>
</table>

**Video**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Resolution</td>
<td>3200 × 1800</td>
</tr>
<tr>
<td>Main Stream</td>
<td>50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)</td>
</tr>
<tr>
<td>Sub Stream</td>
<td>50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)</td>
</tr>
<tr>
<td>Third Stream</td>
<td>50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.</td>
</tr>
<tr>
<td>Video Bit Rate</td>
<td>32 Kbps to 16 Mbps</td>
</tr>
<tr>
<td>H.264 Type</td>
<td>Baseline Profile/Main Profile/High Profile</td>
</tr>
<tr>
<td>H.265 Type</td>
<td>Main Profile</td>
</tr>
<tr>
<td>H.264+</td>
<td>Main stream supports</td>
</tr>
<tr>
<td>Feature</td>
<td>Specification</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>H.265+</strong></td>
<td>Main stream supports</td>
</tr>
<tr>
<td><strong>Bit Rate Control</strong></td>
<td>CBR/VBR</td>
</tr>
<tr>
<td><strong>Scalable Video Coding (SVC)</strong></td>
<td>H.264 and H.265 encoding</td>
</tr>
<tr>
<td><strong>Region of Interest (ROI)</strong></td>
<td>1 fixed region for main stream and sub-stream</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Audio Type</strong></td>
<td>Mono sound</td>
</tr>
<tr>
<td><strong>Environment Noise Filtering</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Audio Sampling Rate</strong></td>
<td>8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz</td>
</tr>
<tr>
<td><strong>Audio Bit Rate</strong></td>
<td>64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC)</td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Simultaneous Live View</strong></td>
<td>Up to 6 channels</td>
</tr>
<tr>
<td><strong>API</strong></td>
<td>Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK</td>
</tr>
<tr>
<td><strong>Protocols</strong></td>
<td>TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP</td>
</tr>
<tr>
<td><strong>User/Host</strong></td>
<td>Up to 32 users. 3 user levels: administrator, operator and user</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface</td>
</tr>
<tr>
<td><strong>Network Storage</strong></td>
<td>NAS (NFS, SMB/CIFS), auto network replenishment (ANR)</td>
</tr>
<tr>
<td></td>
<td>Together with high-end Hikvision memory card, memory card encryption and health detection are supported.</td>
</tr>
<tr>
<td><strong>Client</strong></td>
<td>iVMS-4200, Hik-Connect, Hik-Central</td>
</tr>
<tr>
<td><strong>Web Browser</strong></td>
<td>Plugin required live view: IE 10+</td>
</tr>
<tr>
<td></td>
<td>Plug-in free live view: Chrome 57.0+, Firefox 52.0+</td>
</tr>
<tr>
<td><strong>Image</strong></td>
<td>Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser</td>
</tr>
<tr>
<td><strong>Image Parameters Switch</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>SNR</strong></td>
<td>≥ 52 dB</td>
</tr>
<tr>
<td><strong>Target Cropping</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Day/Night Switch</strong></td>
<td>Day, Night, Auto, Schedule</td>
</tr>
<tr>
<td><strong>Image Enhancement</strong></td>
<td>BLC, HLC, 3D DNR</td>
</tr>
<tr>
<td><strong>Image Settings</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium</td>
</tr>
<tr>
<td><strong>Alarm</strong></td>
<td>1 input, 1 output (max. 24 VDC/24 VAC, 1 A)</td>
</tr>
<tr>
<td><strong>On-board Storage</strong></td>
<td>Built-in memory card slot, support microSD card, up to 256 GB</td>
</tr>
<tr>
<td><strong>Hardware Reset</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Communication Interface</strong></td>
<td>1 RJ45 10 M/100 M self-adaptive Ethernet port</td>
</tr>
<tr>
<td><strong>Event</strong></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td><strong>Basic Event</strong></td>
<td>Motion detection (human and vehicle targets classification), video tampering alarm, exception</td>
</tr>
<tr>
<td><strong>Smart Event</strong></td>
<td>Scene change detection</td>
</tr>
<tr>
<td><strong>Deep Learning Function</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Face Capture</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Perimeter Protection</strong></td>
<td>Line crossing detection, intrusion detection, region entrance detection, region exiting detection—Supports human and vehicle targets classification</td>
</tr>
<tr>
<td><strong>General</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Linkage Method</strong></td>
<td>Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, trigger alarm output, audible warning</td>
</tr>
<tr>
<td><strong>Firmware Version</strong></td>
<td>V5.5.113</td>
</tr>
<tr>
<td><strong>Software Reset</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Power Interface</strong></td>
<td>Two-core terminal block</td>
</tr>
<tr>
<td><strong>Web Client Language</strong></td>
<td>33 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), Ukrainian</td>
</tr>
<tr>
<td><strong>General Function</strong></td>
<td>Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter</td>
</tr>
<tr>
<td><strong>Storage Conditions</strong></td>
<td>-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)</td>
</tr>
<tr>
<td><strong>Startup and Operating Conditions</strong></td>
<td>-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>12 VDC ± 25%, reverse polarity protection—PoE: 802.3at, Class 4</td>
</tr>
<tr>
<td><strong>Power Consumption and Current</strong></td>
<td>12 VDC, 1.08 A, max. 13 W—PoE (802.3at, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W</td>
</tr>
<tr>
<td><strong>Camera Material</strong></td>
<td>Metal</td>
</tr>
<tr>
<td><strong>Camera Dimension</strong></td>
<td>Ø144.1 mm × 345.7 mm (Ø5.7&quot; × 13.6&quot;)</td>
</tr>
<tr>
<td><strong>Package Dimension</strong></td>
<td>385 mm × 190 mm × 180 mm (15.2&quot; × 7.5&quot; × 7.1&quot;)</td>
</tr>
<tr>
<td><strong>Camera Weight</strong></td>
<td>Approx. 1450 g (3.2 lb.)</td>
</tr>
<tr>
<td><strong>With Package Weight</strong></td>
<td>Approx. 2531 g (5.6 lb.)</td>
</tr>
<tr>
<td><strong>Approval</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Safety</strong></td>
<td>UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013)</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td>CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)</td>
</tr>
<tr>
<td><strong>Protection</strong></td>
<td>IP66 (IEC 60529-2013), IK10 (IEC 62262:2002)</td>
</tr>
</tbody>
</table>
**Available Model**
DS-2CD2666G2-IZS (2.8 to 12 mm)
DS-2CD2666G2-IZS (2.8 to 12 mm) (Black)

**Dimension**

![Dimension Diagram]

**Accessory**
**Optional**

<table>
<thead>
<tr>
<th>DS-1275ZJ-S-SUS</th>
<th>DS-1476ZJ-SUS</th>
<th>DS-2251ZJ</th>
<th>DS-1475ZJ-SUS(Black)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical Pole Mount</td>
<td>Corner Mount</td>
<td>Pedant Mount</td>
<td>Vertical Pole Mount</td>
</tr>
</tbody>
</table>

Unit: mm (inch)