

**DS-2CD3643G2-IZS**

**4 MP AcuSense Motorized Varifocal Bullet Network Camera**

AcuSense



- High quality imaging with 4 MP resolution
- Motorized varifocal lens for easy installation and monitoring
- Efficient H.265+ compression technology
- Clear imaging against strong backlight 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 (IP67) and vandal-resistant (IK10)
- Junction box included in the package



## ▪ Specification

| Camera                      |  |
|-----------------------------|--|
| Image Sensor                | 1/3" Progressive Scan CMOS   |
| Max. Resolution             | 2688 × 1520  |
| Min. Illumination           | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR  |
| Shutter Speed               | 1/3 s to 1/100,000 s   |
| P/N                         | P/N  |
| Wide Dynamic Range          | 120 dB   |
| Day & Night                 | IR cut filter  |
| Angle Adjustment            | Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°   |
| Lens                        |  |
| Lens Type                   | Varifocal lens, motorized lens, 2.7 to 13.5 mm   |
| Iris Type                   | Auto-iris  |
| Lens Type & FOV             | 2.7 to 13.5 mm, horizontal FOV 102° to 31°, vertical FOV 55° to 18°, diagonal FOV 122° to 36°  |
| Aperture                    | F1.6   |
| Lens Mount                  | Ø14  |
| DORI                        |  |
| DORI                        | 2.7 to 13.5 mm: D: 64 m to 200 m, O: 25.4 m to 79.4 m, R: 12.8 m to 40 m, I: 6.4 m to 20 m   |
| Illuminator                 |  |
| Smart Supplement Light      | Yes  |
| IR Range                    | Up to 60 m   |
| Wavelength                  | 850 nm   |
| Video                       |  |
| Main Stream                 | 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)   |
| Sub Stream                  | 50 Hz: 25 fps (640 × 480, 640 × 360)<br>60 Hz: 30 fps (640 × 480, 640 × 360)   |
| Third Stream                | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>*Third stream is supported under certain settings. |
| Video Compression           | Main stream: H.265/H.264/H.264+/H.265+<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264   |
| Video Bit Rate              | 32 Kbps to 8 Mbps  |
| H.264 Type                  | Baseline Profile/Main Profile/High Profile   |
| H.265 Type                  | Main Profile   |
| H.264+                      | Main stream supports   |
| H.265+                      | Main stream supports   |
| Bit Rate Control            | CBR/VBR  |
| Scalable Video Coding (SVC) | H.265 and H.264 support  |
| Region of Interest (ROI)    | 5 fixed region for main stream and sub-stream  |
| Audio                       |  |
| Environment Noise Filtering | Yes  |

|                         |  |
|-------------------------|--|
| Audio Sampling Rate     | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz  |
| Audio Compression       | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC  |
| Audio Bit Rate          | 64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/16Kbps-64Kbps(AAC)/32-192Kbps(MP2L2)/8-320Kbps(MP3)  |
| <b>Network</b>          |  |
| Simultaneous Live View  | Up to 6 channels   |
| API                     | Open Network Video Interface (Profile S, Profile G), ISAPI, SDK, ISUP  |
| Protocols               | 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   |
| User/Host               | Up to 32 users. 3 user levels: administrator, operator and user  |
| Security                | 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   |
| Network Storage         | MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)<br>Together with high-end Hikvision memory card, memory card encryption and health detection are supported.   |
| Client                  | iVMS-4200, Hik-Connect, Hik-Central  |
| Web Browser             | Plug-in required live view: IE 10, IE 11<br>Plug-in free live view : Chrome 57.0+, Firefox 52.0+<br>Local service: Chrome 57.0+, Firefox 52.0+   |
| <b>Image</b>            |  |
| SNR                     | ≥ 52 dB  |
| Day/Night Switch        | Day, Night, Auto, Schedule   |
| Image Enhancement       | BLC, HLC, 3D DNR, Target cropping  |
| Image Parameters Switch | Yes  |
| Image Settings          | Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  |
| <b>Interface</b>        |  |
| Audio                   | 1 input (line in), two-core terminal block, max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium;<br>1 output (line out), two-core terminal block, max. output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| Alarm                   | 1 input, 1 output (max. 24 VDC/24 VAC, 1 A)  |
| On-board Storage        | Built-in micro SD card slot, up to 256 GB  |
| Hardware Reset          | Yes  |
| Communication Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port  |
| <b>Event</b>            |  |
| Basic Event             | Motion detection (human and vehicle targets classification), video tampering alarm, exception  |
| Smart Event             | Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection  |
| Linkage                 | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, trigger alarm output  |

| General                          |   |
|----------------------------------|---|
| Power                            | 12 VDC $\pm$ 25%, 1.08 A, max. 13 W, $\varnothing$ 5.5 mm coaxial power plug<br>PoE: (802.3at, Class 4, 42.5 V to 57 V ), 0.36 A to 0.27 A, max. 15 W   |
| Firmware Version                 | 5.5.115   |
| Web Client Language              | 33 languages<br>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 |
| General Function                 | Anti-flicker, heartbeat, password reset via e-mail, pixel counter   |
| Software Reset                   | Yes   |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   |
| Material                         | Aluminum alloy body   |
| Camera Dimension                 | $\varnothing$ 105.1 mm $\times$ 348.5 mm ( $\varnothing$ 4.1" $\times$ 13.7")   |
| Package Dimension                | 385 mm $\times$ 190 mm $\times$ 180 mm (15.2" $\times$ 7.5" $\times$ 7.1")  |
| Camera Weight                    | Approx. 1390 g (3 lb.)  |
| With Package Weight              | Approx. 2236 g (4.9 lb.)  |
| Approval                         |   |
| EMC                              | FCC (47 CFR Part 15, Subpart B);<br>CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014);<br>RCM (AS/NZS CISPR 32: 2015);<br>IC (ICES-003: Issue 6, 2016);<br>KC (KN 32: 2015, KN 35: 2015)  |
| Safety                           | UL (UL 60950-1);<br>CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013);<br>CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013);<br>BIS (IS 13252(Part 1):2010+A1:2013+A2:2015);<br>LOA (IEC/EN 60950-1)   |
| Environment                      | CE-RoHS (2011/65/EU);<br>WEEE (2012/19/EU);<br>Reach (Regulation (EC) No 1907/2006)   |
| Protection                       | IP67 (IEC 60529-2013);<br>IK10 (IEC 62262: 2002)  |

### ▪ Available Model

DS-2CD3643G2-IZS (2.7 to 13.5 mm)



Distributed by

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