

DS-2CD2T46G2-ISU/SL

DS-2CD2T46G2-ISU/SL 2.8mm 4mp IR 60m AcuSense IP CAMERA HIKVISION

- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Clear imaging against strong backlight due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- Active strobe light and audio alarm to warn intruders off
- Provides real-time security via built-in two-way audio
- Water and dust resistant (IP67)

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| Type | IP |
| Megapixel | 4 MP |
| Objective | Motionless |
| Focus | 2.8 mm |
| Lighting | IR |
| Lighting distance | 60 m |
| Microphone | Mic |
| Protection | IP67 |
| Material | Metal |



Detailed

| Camera | |
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| Image Sensor | 1/3" Progressive Scan CMOS |
| Min. Illumination | Color: 0.003 Lux@ (F1.4, AGC ON), B/W: 0 Lux with IR |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| P/N | P/N |
| Wide Dynamic Range | 120 dB |
| Day & Night | IR cut filter |

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| Angle Adjustment | Pan: 0° to 360°, tilt:0° to 90°, rotate: 0° to 360° |
| Lens | |
| Lens Type | Fixed focallens, 2.8, 4, and 6 mm optional |
| Iris Type | Fixed |
| Focal Length& FOV | 2.8 mm, horizontal FOV: 103°, vertical FOV: 55°, diagonal FOV: 123° 4 mm, horizontal FOV: 83°, vertical FOV: 45°, diagonal FOV: 98° 6 mm, horizontal FOV:53°, vertical FOV: 29°, diagonal FOV: 62° |
| Aperture | F1.4 |
| Lens Mount | M12 |
| DORI | |
| DORI | 2.8 mm: D: 60.0m, O: 23.8m, R: 12.0 m, l: 6.0 m 4 mm: D: 80.0m, O: 31.7 m, R: 16.0m, l: 8.0 m 6 mm: D: 120.0m, O: 47.6 m, R: 24.0 m, l:12.0 m |
| Illuminator | |
| Supplement LightType | IR |
| IR Range | Up to 60 m |
| IR Wavelength | 850 nm |
| Smart Supplement Light | Yes |
| Visual Alarm | Yes |
| Video | |
| Max. Resolution | 2688 × 1520 |
| Main Stream | 50 Hz: 25 fps(2688 × 1520,1920 × 1080, 1280 × 720) |

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| | 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) |
| Third Stream | 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. |
| Video Compression | Main stream: H.265/H.264/H.265+/H.264 + Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings. |
| 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 |

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| H.265+ | Main stream supports |
| Bit Rate Control | CBR/VBR |
| Scalable Video Coding(SVC) | H.264 and H.265 encoding |
| Region of Interest (ROI) | 1 fixed region for main stream and sub-stream |
| Audio | |
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8 kHz/16 kHz/32kHz/44.1 kHz/48 kHz |
| Audio Compression | G.711ulaw/G.711alaw/G.722.1/G.726/ MP2L2/PCM/MP3/AAC-LC |
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| Audio Bit Rate | 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-LC) |
| Network | |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network VideoInterface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK |
| 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,ARP, WebSocket, WebSockets |
| User/Host | Up to 32 users. 3 user levels: administrator, operator and user |
| Security | Password protection, complicated password, HTTPS encryption, IP address filter, Security AuditLog, basic and digest authentication for HTTP/HTTPS, TLS1.1/1.2, WSSE anddigest authentication for Open Network Video Interface |
| Network Storage | NAS (NFS, SMB/CIFS), auto network replenishment (ANR) 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 liveview: IE 10, IE 11, Plug- in freelive view: Chrome57.0+, Firefox 52.0+,Edge 89+, Localservice: Chrome 57.0+,Firefox 52.0+, Edge89+ |
| Image | |
| SNR | ≥ 52 dB |
| Day/Night Switch | Day, Night, Auto,Schedule |
| Image Enhancement | BLC, HLC,3D DNR |

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| Image Parameters Switch | Yes |
| Image Settings | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser |
| Interface | |
| Alarm | 1 input,1 output (max.24 VDC/24 VAC,1 A) |
| Audio | 1 input (linein), terminal block,max. input amplitude: 3.3 V pp, inputimpedance:2.2 K Ω , interface type: non-equilibrium; 1 output (lineout), terminal block,max. output amplitude: 3.3 Vpp, outputimpedance: 10 Ω , interface type:non-equilibrium; 1 built-in speaker, 1 built-in microphone |
| Built-in Microphone | Yes |
| Built-in Speaker | Power: 2 W. Max.sound pressure level:10 cm: 97 dB. |
| On-Board Storage | Built-in memory cardslot, support microSD/ microSDHC/microSDXC card,up to 512 GB |
| Hardware Reset | Yes |

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| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| Event | |
| Basic Event | Motion detection (human and vehicle targets classification), videotampering alarm, exception |
| Smart Event | Scene changedetection |
| Deep Learning Function | |
| Face Capture | Yes |
| Perimeter Protection | Line crossing detection, intrusion detection, region entrance detection, region exiting detection |

| General | |
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| Linkage Method | Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email, strobe light, audible warning |
| Web Client Language | 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 |
| General Function | Anti-flicker, heartbeat, mirror, privacy mask, flashlog, password reset via email, pixel counter |
| Software Reset | Yes |
| Storage Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (no n-condensing) |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (no n-condensing) |
| Power Supply | 12 VDC ± 25% PoE: 802.3af, Class 3 |
| Power Consumption and Current | 12 V, 0.88A, max. 10.5W PoE (802.3af, 36 V to 57 V), 0.34 A to 0.21 A, max: 12 W |
| Power Interface | Ø5.5 mm coaxial power plug |
| Camera Material | Aluminum alloy body |
| Camera Dimension | Ø105 mm × 287.6 mm (Ø4.1" × 11.3") |
| Package Dimension | 386 mm × 156 mm × 155 mm (15.2" × 7.5" × 7.1") |
| Camera Weight | Approx. 1135g (2.5 lb.) |
| With Package Weight | Approx. 1624 g (3.6 lb.) |

| Approval | |
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| EMC | FCC (47 CFR Part15, Subpart B); CE-EMC (EN 55032: 2015,EN 61000-3-2: 2014,EN 61000-3-3: 2013,EN 50130-4: 2011+A1: 2014); RCM(AS/NZ S CISPR 32:2015); IC (ICES-003: Issue6, 2016); KC (KN 32: 2015, KN 35: 2015) |
| Safety | UL (UL 60950-1); CB (IEC 60950-1: 2005+ Am 1: 2009 + Am 2: 2013, IEC 62368-1: 2014); CE-LVD (EN60950-1: 2005 + Am 1: 2009 + Am 2: 2013, IEC 62368-1: 2014); LOA (IEC/EN 60950-1) |
| Environment | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach(Regulation (EC) No 1907/2006) |
| Protection | IP67 (IEC 60529-2013) |