

DS-2CD2T46G2-2I/4I

## AcuSense 4 MP IR Fixed Bullet Network Camera



- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- False alarm reduction through human and vehicle target classification based on deep learning
- Water and dust resistant (IP67)
- 3D DNR technology delivers clean and sharp images

### AcuSense

Powered by deep learning algorithms, Hikvision AcuSense technology brings human or vehicle target classification alarms to front- and back-end devices. The system can greatly reduce false alarms generated by targets other than humans or vehicles, vastly improving alarm efficiency and effectiveness.



## ▪ Specification

| Camera                      |                                                                                                                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.7" Progressive Scan CMOS                                                                                                                                                                     |
| Min. Illumination           | Color: 0.003 Lux @ (F1.4, AGC ON)                                                                                                                                                                |
| Day & Night                 | ICR Cut                                                                                                                                                                                          |
| Shutter Speed               | 1/3 s to 1/100,000 s                                                                                                                                                                             |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°                                                                                                                                             |
| Slow Shutter                | Yes                                                                                                                                                                                              |
| P/N                         | P/N                                                                                                                                                                                              |
| Wide Dynamic Range          | 120 dB                                                                                                                                                                                           |
| Lens                        |                                                                                                                                                                                                  |
| Lens Type & FOV             | 2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 123°<br>4 mm, horizontal FOV 83°, vertical FOV 45°, diagonal FOV 98°<br>6 mm, horizontal FOV 53°, vertical FOV 28°, diagonal FOV 62° |
| Aperture                    | F1.4                                                                                                                                                                                             |
| Lens Mount                  | M12                                                                                                                                                                                              |
| Aperture Type               | Fixed                                                                                                                                                                                            |
| Illuminator                 |                                                                                                                                                                                                  |
| IR Range                    | 2I: Up to 60 m<br>4I: Up to 80 m                                                                                                                                                                 |
| Wavelength                  | 850 nm                                                                                                                                                                                           |
| Smart Supplement Light      | Yes                                                                                                                                                                                              |
| Supplement Light            | IR                                                                                                                                                                                               |
| Video                       |                                                                                                                                                                                                  |
| Max. Resolution             | 2592 × 1944                                                                                                                                                                                      |
| Main Stream                 | 50Hz: 20fps (2592 × 1944)<br>25fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)<br>60Hz: 20fps (2592 × 1944)<br>30fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)                 |
| Sub Stream                  | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)                                                                                                   |
| Third Stream                | 50Hz: 25fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)                                                                           |
| Video Compression           | Main stream: H.265/H.264<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) | Yes                                                                                                                                                                                              |
| Region of Interest (ROI)    | 1 fixed region for each stream                                                                                                                                                                   |

| <b>Network</b>                               |                                                                                                                                                                                                                     |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Simultaneous Live View                       | Up to 6 channels                                                                                                                                                                                                    |
| API                                          | ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK                                                                                                                                                                 |
| Protocols                                    | TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS                                                                |
| Smooth Streaming                             | Yes                                                                                                                                                                                                                 |
| 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 1.2, WSSE and digest authentication for ONVIF               |
| 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: IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+                                                                             |
| <b>Image</b>                                 |                                                                                                                                                                                                                     |
| Day/Night Switch                             | Day, Night, Auto, Schedule                                                                                                                                                                                          |
| Image Enhancement                            | BLC, HLC, 3D DNR                                                                                                                                                                                                    |
| Image Parameters Switch                      | Yes                                                                                                                                                                                                                 |
| Image Settings                               | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser                                                                                          |
| <b>Interface</b>                             |                                                                                                                                                                                                                     |
| On-board Storage                             | Built-in micro SD slot, up to 256 GB                                                                                                                                                                                |
| Hardware Reset                               | Yes                                                                                                                                                                                                                 |
| Communication Interface                      | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                                                         |
| <b>Intelligent (Traditional Algorithm)</b>   |                                                                                                                                                                                                                     |
| Basic Event                                  | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), scene change detection                                                          |
| <b>Intelligent (Deep Learning Algorithm)</b> |                                                                                                                                                                                                                     |
| Face Capture                                 | Yes                                                                                                                                                                                                                 |
| Perimeter Protection                         | Line crossing detection, intrusion detection, region entrance detection, region exiting detection                                                                                                                   |
| <b>General</b>                               |                                                                                                                                                                                                                     |
| 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)                                                                                                                                           |
| Power Supply                                 | 12 VDC ± 25%, reverse polarity protection<br>PoE: 802.3af, class 3                                                                                                                                                  |
| Power Consumption and Current                | 2I:<br>12 VDC, 0.63 A, max. 7.5 W<br>PoE: (802.3af, 36 V to 57 V), 0.25 A to 0.16 A, max. 9 W<br>4I:<br>12 VDC, 0.88 A, max. 10.5 W<br>PoE: (802.3af, 36 V to 57 V), 0.34 A to 0.21 A, max. 12 W                    |

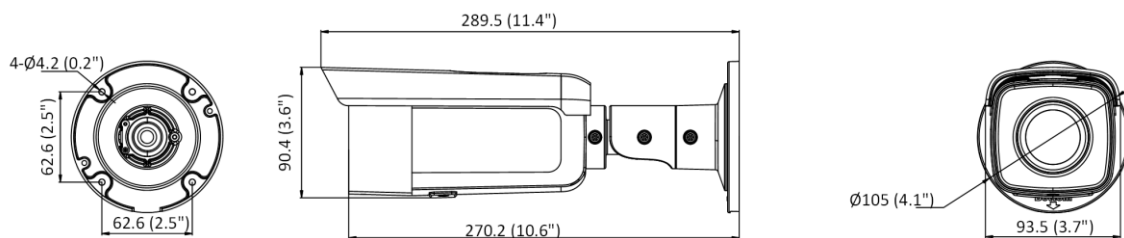
|                     |                                                                                                                                                                                                                                                                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Interface     | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                                                                                                                              |
| Material            | Metal except for sunshield                                                                                                                                                                                                                                                                                                                              |
| Camera Dimension    | Ø105 × 289.5 mm (4.1" × 11.4")                                                                                                                                                                                                                                                                                                                          |
| Package Dimension   | 386 × 156 × 155 mm (15.2" × 6.1" × 6.1")                                                                                                                                                                                                                                                                                                                |
| Camera Weight       | Approx. 1090 g (2.4 lb.)                                                                                                                                                                                                                                                                                                                                |
| With Package Weight | Approx. 1614 g (3.6 lb.)                                                                                                                                                                                                                                                                                                                                |
| Linkage Method      | Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture                                                                                                                                                                                                                                                                  |
| 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, mirror, privacy masks, flash log, password reset via e-mail, pixel counter                                                                                                                                                                                                                                                    |
| Software Reset      | Yes                                                                                                                                                                                                                                                                                                                                                     |
| <b>Approval</b>     |                                                                                                                                                                                                                                                                                                                                                         |
| EMC                 | FCC (47 CFR Part 15, 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/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)                                                                                                                                  |
| Safety              | 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); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)                                                                                                                                                                     |
| Environment         | CE-ROHS (2011/65/EU); WEEE (2012/19/EU); REACH (Regulation (EC) No 1907/2006)                                                                                                                                                                                                                                                                           |
| Protection          | Ingression protection: IP67 (IEC 60529-2013)                                                                                                                                                                                                                                                                                                            |

### ▪ Available Model

DS-2CD2T46G2-2I(2.8mm, 4mm, 6mm)

DS-2CD2T46G2-4I(2.8mm, 4mm, 6mm)

### ▪ Dimension



Unit: mm (inch)

## ▪ Accessory



**DS-1276ZJ-SUS**  
Corner Mount



**DS-1275ZJ-S-SUS**  
Vertical Pole Mount



**DS-1260ZJ**  
Junction Box



**DS-1280ZJ-S**  
Junction Box

Distributed by



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