Empowered 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.

- High quality imaging with 4 MP resolution
- Efficient H.265+ compression technology
- Anti-IR Reflection
- Motorized varifocal lens for easy installation and monitoring
- False alarm reduction through human and vehicle target classification based on deep learning
- Clear imaging against strong backlight due to 140 dB WDR technology
- Audio and alarm interface available
- Water and dust resistant (IP67) and vandal-resistant (IK10)
- Anti-Corrosion - NEMA 4X: NEMA 250-2014
<table>
<thead>
<tr>
<th><strong>Specification</strong></th>
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<tbody>
<tr>
<td><strong>Camera</strong></td>
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<tr>
<td>Image Sensor</td>
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<tr>
<td>Min. Illumination</td>
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<tr>
<td>Shutter Speed</td>
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<tr>
<td>Slow Shutter</td>
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<tr>
<td>P/N</td>
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<tr>
<td>Wide Dynamic Range</td>
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<td>Day &amp; Night</td>
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<tr>
<td>Angle Adjustment</td>
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<tr>
<td><strong>Lens</strong></td>
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<tr>
<td>Iris-Type</td>
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<tr>
<td>Lens Mount</td>
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<tr>
<td>Lens Type &amp; FOV</td>
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<tr>
<td>Aperture</td>
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<tr>
<td><strong>DORI</strong></td>
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<tr>
<td>DORI</td>
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<tr>
<td>8 to 32 mm: D: 150.3 m to 400 m, O: 59.7 m to 158.7 m, R: 30.1 m to 80 m, I: 15 m to 40 m</td>
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<tr>
<td><strong>Illuminator</strong></td>
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<tr>
<td>IR Range</td>
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<tr>
<td>8 to 32 mm: up to 60 m</td>
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<tr>
<td>Wavelength</td>
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<tr>
<td>Smart Supplement Light</td>
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<tr>
<td><strong>Video</strong></td>
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<tr>
<td>Max. Resolution</td>
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<tr>
<td>Main Stream</td>
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<tr>
<td>Sub-Stream</td>
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<td>Third Stream</td>
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<tr>
<td>Fourth Stream</td>
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<td></td>
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<tr>
<td><em>Fourth stream is supported under certain settings.</em></td>
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<tr>
<td>Video Bit Rate</td>
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</tbody>
</table>
### Video Compression

- **Main stream:** H.265/H.264/H.264+/H.265+
- **Sub-stream:** H.265/H.264/MJPEG
- **Third stream:** H.265/H.264
- **Fourth stream:** H.265/H.264/MJPEG

### 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)
- 5 fixed regions for main stream and sub-stream

### e-PTZ
- Support Preset and Patrol settings
*Only the fourth stream supports this stream.*

### Audio

#### Environment Noise Filtering
- Yes

#### Audio Sampling Rate
- 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz

#### Audio Compression

#### Audio Bit Rate
- 64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8-320Kbps(MP3)

### Network

#### Smooth Streaming
- Yes

#### Simultaneous Live View
- Up to 6 channels

#### API
- Open Network Video Interface (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, PPoE, SFTP, ISUP, ARP, 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 1.2, WSSE and digest authentication for Open Network Video Interface, memory card encryption, SFTP encryption, SRTP encryption

#### Network Storage
- MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR), FTP ANR

### Client
- iVMS-4200, Hik-Connect, Hik-Central

### Web Browser
- Plug-in required live view: IE 10, IE 11
- Plug-in free live view: Chrome 57.0+, Firefox 52.0+
- Local service: Chrome 57.0+, Firefox 52.0+

### Image

#### Day/Night Switch
- Day, Night, Auto, Schedule

#### Target Cropping
- Yes

#### Image Enhancement
- BLC, HLC, 3D DNR, EIS, Defog

#### Image Parameters Switch
- Yes

#### Image Settings
- Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser

### Interface

#### Alarm
- 2 inputs, 2 outputs (max. 24 VDC, 1 A; 24 VAC, 1 A)
### Audio
- 1 input (line in), max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium;
- 1 output (line out), max. output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium

### Video Output
- 1 Vp-p Composite Output (75Ω/CVBS)

### On-board Storage
- Built-in micro SD/SDHC/SDXC slot, up to 256 GB

### Hardware Reset
- Yes

### Communication Interface
- 1 RJ45 10M/100M self-adaptive Ethernet port

### Power Output
- 12 VDC, 100 mA

### Heater
- Yes

### Event

#### Basic Event
- Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)

#### Smart Event
- Unattended baggage detection, object removal detection, scene change detection, audio exception detection, video quality diagnosis

### Deep Learning Function

#### Face Capture
- Yes

#### Perimeter Protection
- Line crossing detection, intrusion detection, region entrance detection, region exiting detection

### General

#### Linkage Method
- Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture, audible warning, FTP, Email

#### 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 masks, flash log, password reset via e-mail, pixel counter

#### Software Reset
- Yes

#### Storage Conditions
- -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)

#### Startup and Operating Conditions
- -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)

#### Power Supply
- 12 VDC ± 25%
- 24 VAC ± 20%
- PoE: 802.3af, Class 3

#### Power Consumption and Current
- 12 VDC, 0.9 A, max. 10.8 W
- 24 VAC, 0.75 A, 50/60 Hz, max. 10.8 W
- PoE: (802.3af, 36 V to 57 V), 0.36 A to 0.23 A, max. 12.9 W

#### Power Interface
- Two-core terminal block

#### Camera Dimension
- Ø162 × 140 mm (Ø6.4” × 5.6”)

#### Package Dimension
- 251 × 215 × 189 mm (9.9” × 8.5” × 7.4”)

#### Camera Weight
- Approx. 1420 g (3.1 lb.)

#### With Package Weight
- Approx. 2058 g (4.5 lb.)
<table>
<thead>
<tr>
<th>Approval</th>
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<tr>
<td>EMC</td>
<td>FCC SDoC (47 CFR Part 15, Subpart B);</td>
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<td>CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013,</td>
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<td>RCM (AS/NZ CISPR 32: 2015);</td>
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<td>IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)</td>
</tr>
<tr>
<td>Anti-Corrosion Protection</td>
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**Available Model**

DS-2CD3D46G2T-I2HSY (2.8 to 12 mm, 8 to 32 mm)

**Dimension**

![Dimension Diagram](image_url)
## Accessory
## Optional

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<tbody>
<tr>
<td>Corner Mount</td>
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<tr>
<td>Vertical Pole Mount</td>
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<td>Wall Mount</td>
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<tr>
<td>Pendant Mount</td>
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