HIKVISION

# DS-2CD5A26G0-IZ(H)S
## 2 MP IR Varifocal Bullet Network Camera

DarkFighter

- 1/1.8” Progressive Scan CMOS
- 1920 × 1080 @ 60fps
- MJPEG up to 1920 × 1080 @ 30fps
- 2.8 to 12 mm/8 to 32 mm motorized lens
- Color: 0.002 Lux @ (F1.2, AGC ON), 0.004 Lux @ (F1.6, AGC ON), 0 Lux with IR
- H.265, H.265+, H.264, H.264+
- 140dB WDR
- 2.8 to 12 mm lens: IR range up to 50 m, 8 to 32 mm lens: IR range up to 100 m
- Alarm 2 inputs/2 outputs
- IP67, IK10
- 5 streams and up to 5 custom streams
- 6 behavior analyses, 2 exception detections, and face detection
- Built-in microSD/SDHC/SDXC card slot, up to 256 GB
- Metadata of intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, and object removal are supported.

## Function

### Smooth Streaming

Smooth streaming offers solutions to improve the video quality in different network conditions. For example, in poor network conditions, adapting to the detected real-time network condition, streaming bit rate and resolution are automatically adjusted to avoid mosaic and lower latency in live view; in multiplayer network conditions, the camera transmits the redundant data for the self-error correcting in back-end device, so that to solve the mosaic problem because of the packet loss and error rate.

### Metadata

Metadata uses individual instances of application data or the data content. Metadata can be used for third-party application development.

## Specifications

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|---|---|
| **Camera** | |
| Image Sensor | 1/1.8" Progressive Scan CMOS |
| Min. Illumination | Color: 0.002 Lux @ (F1.2, AGC ON), 0.004 Lux @ (F1.6, AGC ON), 0 Lux with IR |
| Shutter Speed | 1 s to 1/100,000 s |
| Slow Shutter | Yes |
| Day & Night | IR cut filter |
| WDR | 140 dB |
| Angle Adjustment | Bracket, pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360° |
| **Lens** | |
| Lens Type | Motorized lens, 2.8 to 12 mm and 8 to 32 mm optional |
| Aperture | 2.8 to 12 mm: F1.2 to 2.5<br>8 to 32 mm: F1.6, Constant F1.6 throughout the zoom range |
| Focus | Auto, semi auto, manual |
| Auto-iris | P-iris |
| FOV | 2.8 to 12 mm, horizontal FOV 103.3° to 38.6°, vertical FOV 54.2° to 21.9°, diagonal FOV 124.2° to 44.3°<br>8 to 32 mm, horizontal FOV 42.5° to 13.4°, vertical FOV 23.4° to 7.7°, diagonal FOV 49° to 15.3° |
| Lens Mount | Integrated |
| **Illuminator** | |
| IR Range | 2.8 to 12 mm: up to 50 m; 8 to 32 mm: up to 100 m |
| Wavelength | 850 nm |
| **Video** | |
| Max. Resolution | 1920 × 1080 |
| Video Stream | 5 defined streams and up to 5 custom stream |
| Main Stream | 50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub Stream | 50Hz: 25fps (704 × 576, 640 × 480)<br>60Hz: 30fps (704 × 480, 640 × 480) |
| Third Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480)<br>60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480) |
| Fourth Stream | 50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)<br>60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) |
| Fifth Stream | 50Hz: 25fps (704 × 576, 640 × 480)<br>60Hz: 30fps (704 × 480, 640 × 480) |
| Custom Stream | 50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)<br>60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264<br>Sub stream/third stream/fourth stream/fifth stream/custom stream: H.265/H.264/MJPEG |

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| H.264 Type | Baseline Profile/Main Profile/High Profile |
| H.264+ | Main stream support |
| H.265 Type | Main Profile |
| H.265+ | Main stream support |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding |
| **Smart Feature-Set** | |
| Smart Event | Line crossing detection, up to 4 lines configurable<br>Intrusion detection, up to 4 regions configurable<br>Region entrance detection, up to 4 regions configurable<br>Region exiting detection, up to 4 regions configurable<br>Unattended baggage detection, up to 4 regions configurable<br>Object removal detection, up to 4 regions configurable<br>Face detection: detects faces and upload images<br>Scene change detection, defocus detection |
| Basic Event | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error) |
| Statistics | Counting |
| Linkage Method | Trigger recording: memory card, network storage, pre-record and post-record<br>Trigger captured pictures uploading: FTP, SFTP, HTTP, NAS, Email<br>Trigger notification: HTTP, ISAPI, alarm output, Email |
| Region of Interest | Main stream/sub stream/third stream/fourth stream/fifth stream: 4 fixed regions and dynamic face tracking for each stream |
| **Image** | |
| Image Enhancement | BLC, HLC, 3D DNR, Defog, EIS, distortion correction |
| Image Setting | Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser |
| Target Cropping | Yes |
| Day/Night Switch | Day/Night/Auto/Schedule/Triggered by Alarm In |
| Picture Overlay | LOGO picture can be overlaid on video with 128 × 128 24bit bmp format |
| SNR | ≥52dB |
| **Network** | |
| Network Storage | microSD/SDHC/SDXC card (256 GB), local storage and NAS (NFS,SMB/CIFS), ANR<br>Together with high-end Hikvision memory card, memory card encryption and health detection are supported. |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS |
| API | ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome |
| Smooth Streaming | Yes |
| Security | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, TLS1.0, TLS1.1 |

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| Simultaneous Live View | Up to 20 channels |
| User/Host | Up to 32 users. 3 user levels: administrator, operator and user |
| Client | iVMS-4200, Hik-Connect, Hik-Central |
| Web Browser | Plug-in required live view: IE8+<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+<br>Local service: Chrome57.0+， Firefox52.0+ |
| **Interface** | |
| Communication Interface | 1 RJ45 10M/100M/1000M Ethernet port |
| Alarm | 2 inputs, 2 outputs (max. 24 VDC/VAC, 1A) |
| Video Out | 1Vp-p composite output (75 Ω/CVBS), only for adjustment |
| Interface Style | Connector panel |
| On-board storage | Built-in micro SD/SDHC/SDXC slot, up to 256 GB |
| **General** | |
| Firmware Version | 5.6.0 |
| Web Client Language | 32 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) |
| Embedded Open Platform | Yes. The camera supports installation and running up to 4 extra applications. |
| General Function | Anti-flicker, 5 streams and up to 5 custom streams, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter, HTTP listening |
| Reset | Reset via reset button on camera body, web browser and client software |
| Startup and Operating Conditions | -30 °C to 65 °C (-22 °F to 149 °F), -H: -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 95% or less (non-condensing) |
| Storage Conditions | -30 °C to 65 °C (-22 °F to 149 °F)<br>Humidity 95% or less (non-condensing) |
| Power Supply | 12 VDC ± 20%, two-core terminal block; reverse polarity protection, PoE (802.3at, class 4) |
| Power Consumption and Current | -IZS: 12 VDC, 1.08 A, max. 13 W; PoE (802.3at, 42.5 V to 57 V), 0.31 A to 0.23 A, max. 13 W<br>-IZHS: 12 VDC, 1.13 A, max. 13.5 W; PoE (802.3at, 42.5 V to 57 V), 0.42 A to 0.32 A, max. 18 W |
| Heater | -H: yes |
| Material | Metal |
| Dimensions | Camera: Φ144 × 347 mm (Φ5.7" × 13.7")<br>With package: 405 × 190 × 180 mm (15.9" × 7.5" × 7.1") |
| Weight | Camera: approx. 2.45 kg (5.40 lb.)<br>With package: approx. 2.7 kg (5.95 lb.) |
| **Approval** | |
| EMC | 47 CFR Part 15, Subpart B; EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014; AS/NZS CISPR 32: 2015; ICES-003: Issue 6, 2016; KN 32: 2015, KN 35: 2015 |

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| Safety | UL 60950-1, IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IS 13252(Part 1):2010+A1:2013+A2:2015 |
| Chemistry | 2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006 |
| Protection | Ingress protection: IK10 (IEC 62262:2002), IP67 (IEC 60529-2013) |

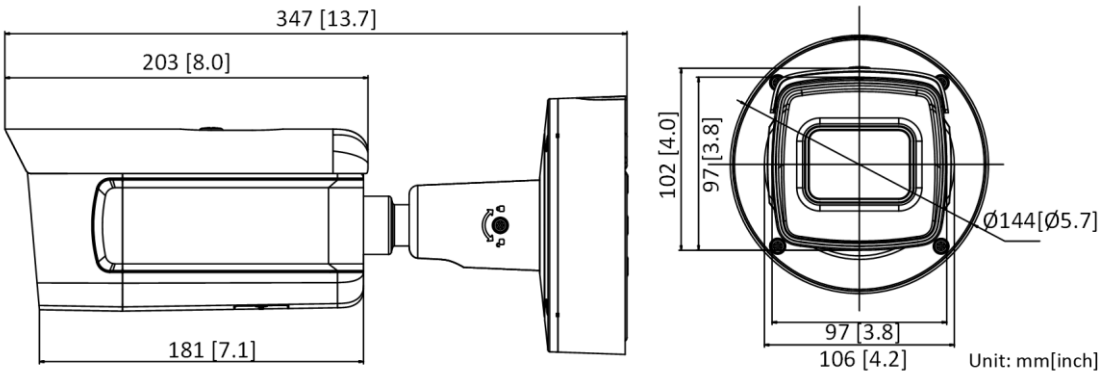
** Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.*

## Available Model

DS-2CD5A26G0-IZS (2.8 to 12 mm), DS-2CD5A26G0-IZHS (2.8 to 12 mm), DS-2CD5A26G0-IZS (8 to 32 mm), DS-2CD5A26G0-IZHS (8 to 32 mm)

** -H: Heater supported.*

## Dimension




## Accessory

**DS-1475ZJ-SUS**
**Vertical Pole Mount**

**DS-1476ZJ-SUS**
**Corner Mount**

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