

DS-2CD7085G0-(AP) 8 MP Box Network Camera



DeepinView^{series}

- 1/1.8" Progressive Scan CMOS
- 3840 × 2160 @ 30fps
- Color: 0.007 Lux @ (F1.2, AGC ON)
- Auto-iris, DC drive and P-iris optional
- Auto back focus (ABF) optional
- H.265, H.265+, H.264, H.264+
- 120dB WDR
- Alarm I/O
- Audio I/O, mono sound
- High accuracy face detection and capture, which adopts new face detection, tracking and grading algorithms based on deep-learning technology
- Perimeter protection, based on deep learning powered target detection and classification algorithms, supports line crossing, intrusion, region entrance, and region exit
- Five defined streams and up to five custom streams
- Built-in microSD/SDHC/SDXC card slot, up to 256 GB



Specifications

| Camera | |
|----------------------------|--|
| Image Sensor | 1/1.8" Progressive Scan CMOS |
| Min. Illumination | Color: 0.007 Lux @ (F1.2, AGC ON), B/W: 0.0007 Lux @ (F1.2, AGC ON) |
| Shutter Speed | 1 s to 1/100,000 s |
| Slow Shutter | Yes |
| Auto-Iris | DC drive. -P: P-iris supported |
| Day & Night | IR Cut Filter |
| Digital Noise Reduction | 3D DNR |
| WDR | 120 dB |
| Focus | -A: auto back focus (ABF) supported |
| Lens | |
| Lens Mount | CS mount |
| Compression Standard | |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264 Sub stream/third stream/fourth stream/fifth stream/custom stream: H.265/H.264/MJPEG |
| 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 |
| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM |
| Audio Bit Rate | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2) |
| Smart Feature-Set | |
| Perimeter Protection | Line crossing, intrusion, region entrance, and region exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. |
| Event Detection | Unattended baggage detection, object removal detection, scene change detection, defocus detection, audio exception detection |
| Face Detection and Capture | Face detection performance: detects up to 30 faces at the same time Detectable face position: supports swing left and right from -65° to 65°, tilt up and down from -45° to 45° |
| Statistics | Counting |
| Region of Interest | Main stream/sub stream/third stream/fourth stream/fifth stream: 4 fixed regions and dynamic face tracking for each stream |

| Image | |
|------------------------|---|
| Max. Resolution | 3840 × 2160 |
| Main Stream | 50Hz: 25fps (3840 × 2160, 3200 × 1800, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (3840 × 2160, 3200 × 1800, 2560 × 1440, 1920 × 1080, 1280 × 720) |
| Sub Stream | 50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480) |
| Third Stream | 50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) |
| Fourth Stream | 50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) |
| Fifth Stream | 50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480) |
| Custom Stream | 50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) Up to five custom streams are supported |
| Image Enhancement | BLC, HLC, 3D DNR, Defog, EIS |
| Image Setting | Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser |
| Target Cropping | Yes |
| SVC | H.264 and H.265 encoding |
| Day/Night Switch | Day/Night/Auto/Schedule/Triggered by Alarm In |
| Picture Overlay | LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format |
| Network | |
| Network Storage | microSD/SDHC/SDXC card (256 GB), local storage and NAS (NFS,SMB/CIFS), ANR |
| Alarm Trigger | Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour |
| Security Measures | Password protection, HTTPS encryption, IEEE 802.1x port-based network access control, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF |
| General Function | One-key reset, anti-flicker, five streams and up to 5 custom streams, heartbeat, password protection, privacy mask, watermark, IP address filter |
| API | ONVIF (PROFILE S, PROFILE G), ISAPI, SDK |
| 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, iVMS-5200, Hik-Central |
| Web Browser | Plug-in required live view: IE8-11, Chrome 41-44, Mozilla Firefox30.0-51, Safari8.0+ Plug-in free live view: Chrome 45+, Mozilla Firefox52+ |

| Interface | |
|-------------------------------|---|
| Audio | 1 input (line in), 1 output, mono |
| Communication Interface | 1 RJ45 10M/100M/1000M Ethernet port 1 RS-485 interface (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive) |
| Alarm | 2 inputs, 2 outputs (up to 12 VDC 1A or 10 VAC 500 mA) |
| Video Out | 1Vp-p composite output (75 Ω/CVBS) |
| Power Output | 12 VDC, max. 200 mA (supported by all power supply types) |
| On-board Storage | Built-in microSD/SDHC/SDXC slot, up to 256 GB |
| Reset Button | Yes |
| Audio | |
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| General | |
| Firmware Version | 5.5.80 |
| Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing) |
| Power Supply | 12 VDC ± 20%, 24 VAC± 20%, two-core terminal block; PoE (802.3af, class 3) |
| Power Consumption and Current | With extra load: 12 VDC, 1.0 A, max. 12 W; 24 VAC, 0.9 A, max. 12 W; PoE (802.3af, 36 V to 57 V), 0.1 A to 0.3 A, class 3 Without extra load: 12 VDC, 0.8 A, max. 9 W; 24 VAC, 0.75 A, max. 9 W; PoE (802.3af, 36 V to 57 V), 0.1 A to 0.3 A, class 3 “with extra load” means that an extra device is connected to and powered by the camera. |
| Material | Aluminum alloy |
| Dimensions | Camera: 142.6 × 69.8 × 68 mm (5.61" × 2.75" × 2.68") Package: 315 × 140 × 140 mm (12.4" × 5.51" × 5.51") |
| Weight | -AP: approx. 730 g (1.61 lb.), 1020 g (2.25 lb.) with package Non-AP: approx. 690 g (1.52 lb.), 975 g (2.15 lb.) with package |

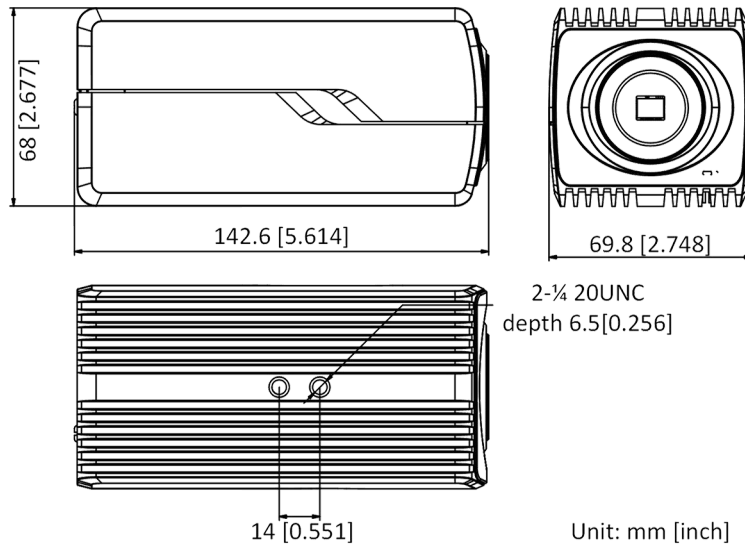
* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

Available Model

DS-2CD7085G0, DS-2CD7085G0-AP

* -AP: Auto back focus and P-iris are supported.

Dimension



Accessory



**DS-1292ZJ
Wall Mount**



**DS-1299ZJ
Pendant Mount**



**DS-1332HZ
Indoor Housing**



**DS-1331HZ Series
Outdoor Housing**



**HV3816D-8MPIR
3.8 to 16 mm DC Iris**



**HV1140D-8MPIR
11 to 40 mm DC Iris**



**HV3816P-8MPIR
3.8 to 16 mm P-iris**



**HV1140P-8MPIR
11 to 40 mm P-Iris**



**HF3417D-12MPIR
3.4 mm DC Iris**



**HV1050D-12MPIR
10 to 50mm DC Iris**

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