

## DS-2CD6825G0/C-I(V)(S) 2 MP IR Network Camera



With -V Mode:



Without -V Mode:



- 1/2.7" Progressive Scan CMOS
- 1920 × 1080 @ 30fps
- 2 mm fixed lens
- Digital WDR
- 3D DNR
- ROI
- H.265, H.265+



## Specifications

| Camera                      |                                                                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/1.2.7" Progressive Scan CMOS                                                                                                                                                    |
| Min. Illumination           | Color: 0.005 Lux @ (F1.2, AGC ON), 0.0176 Lux @ (F2.25, AGC ON)<br>B/W: 0.001 Lux @ (F1.2, AGC ON), 0.0035 Lux @ (F2.2.5, AGC ON)                                                 |
| Shutter Speed               | 1/25 s to 1/100,000 s                                                                                                                                                             |
| Day & Night                 | IR Cut Filter                                                                                                                                                                     |
| WDR                         | Digital WDR                                                                                                                                                                       |
| Lens                        |                                                                                                                                                                                   |
| Focal Length                | 2 mm fixed lens                                                                                                                                                                   |
| Aperture                    | F2.25                                                                                                                                                                             |
| FOV                         | Horizontal FOV 104.5°, vertical FOV 70.5°, diagonal FOV 112°                                                                                                                      |
| Lens Mount                  | M12                                                                                                                                                                               |
| IR                          |                                                                                                                                                                                   |
| IR Range                    | Up to 6 m IR range                                                                                                                                                                |
| Wavelength                  | 850 nm                                                                                                                                                                            |
| Video                       |                                                                                                                                                                                   |
| Max. Resolution             | 1920 × 1080                                                                                                                                                                       |
| Main Stream                 | 50Hz: 25fps (1920 × 1080, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 720)                                                                                                      |
| Sub Stream                  | 50Hz: 25fps (704 × 576, 640 × 480)<br>60Hz: 30fps (704 × 480, 640 × 480)                                                                                                          |
| Video Compression           | Main stream: H.265+/H.265/H.264+/H.264<br>Sub stream: H.265/H.264/MJPEG                                                                                                           |
| H.264 Type                  | Baseline Profile/Main Profile/High Profile                                                                                                                                        |
| H.264+                      | Main stream supports                                                                                                                                                              |
| H.265 Type                  | Main Profile                                                                                                                                                                      |
| H.265+                      | Main stream supports                                                                                                                                                              |
| Video Bit Rate              | 32 Kbps to 16 Mbps                                                                                                                                                                |
| SVC                         | H.265 and H.264 support                                                                                                                                                           |
| Audio                       |                                                                                                                                                                                   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2/PCM                                                                                                                                                     |
| Audio Bit Rate              | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-160Kbps(MP2L2)                                                                                                                     |
| Environment Noise Filtering | Yes                                                                                                                                                                               |
| Audio Sampling Rate         | 8kHz/16kHz/32kHz/44.1kHz/48kHz                                                                                                                                                    |
| Smart Feature-Set           |                                                                                                                                                                                   |
| Basic Event                 | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)                                                |
| People Counting             | Counts people entering and exiting separately<br>Supports real-time uploading and uploading by statistic cycle<br>Sends email reports on daily, weekly, monthly or annually basis |

|                                  |                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Supports target filtering by height                                                                                                                                                                                                                                                                                                        |
| Linkage Method                   | Upload to FTP/NAS, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture                                                                                                                                                                                                                        |
| Region of Interest               | 4 fixed regions for main stream and sub-stream                                                                                                                                                                                                                                                                                             |
| <b>Image</b>                     |                                                                                                                                                                                                                                                                                                                                            |
| Image Enhancement                | HLC, BLC, 3D DNR, defog                                                                                                                                                                                                                                                                                                                    |
| Image Setting                    | Saturation, brightness, contrast, sharpness are adjustable by client software or web browser                                                                                                                                                                                                                                               |
| Day/Night Switch                 | Day/Night/Auto/Schedule/Triggered by alarm input (-S)                                                                                                                                                                                                                                                                                      |
| Picture Overlay                  | LOGO picture can be overlaid on video with 128 × 128 24bit bmp format                                                                                                                                                                                                                                                                      |
| <b>Network</b>                   |                                                                                                                                                                                                                                                                                                                                            |
| 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, SSL/TLS                                                                                                                                                                                             |
| API                              | ONVIF (PROFILE S, PROFILE G), ISAPI, SDK, Ehome (5.0)                                                                                                                                                                                                                                                                                      |
| Security                         | Password protection, complicated password, HTTPS encryption, 802.1X authentication (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                                                    |
| 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                                                                                                                                                                                                                                                                                                                     |
| Web Browser                      | IE8+, Chrome 41.0-44, Mozilla Firefox30.0-51, Safari8.0-11                                                                                                                                                                                                                                                                                 |
| <b>Interface</b>                 |                                                                                                                                                                                                                                                                                                                                            |
| Communication Interface          | 1 RJ45 10M/100M Ethernet port,<br>-S: 1 RS-485 interface (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)                                                                                                                                                                                                                         |
| Audio                            | 1 built-in mic<br>-S: 1 input (line in, two-core terminal block), 1 output (two-core terminal block), mono sound                                                                                                                                                                                                                           |
| Alarm (-S)                       | 1 input, 1 output (max. 24 VDC, 1 A)                                                                                                                                                                                                                                                                                                       |
| <b>General</b>                   |                                                                                                                                                                                                                                                                                                                                            |
| Firmware Version                 | 5.5.90                                                                                                                                                                                                                                                                                                                                     |
| Web Client Language              | 32 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) |
| General Function                 | Anti-flicker, heartbeat, mirror, password protection, watermark, IP address filter                                                                                                                                                                                                                                                         |
| Startup and Operating Conditions | -30 °C to +45 °C (-22 °F to +113 °F), Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                |
| Storage Conditions               | -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                |
| Power Supply                     | 12 VDC±20%, reverse polarity protection, Ø5.5mm coaxial power plug<br>12 VDC, PoE (36 to 57 VDC, 802.3af), Calss3                                                                                                                                                                                                                          |
| Power Consumption                | 12 VDC, 0.66 A, max. 8 W, PoE (802.3 af, 36 to 57 VDC), 0.23 A to 0.14 A, max. 8.3 W                                                                                                                                                                                                                                                       |

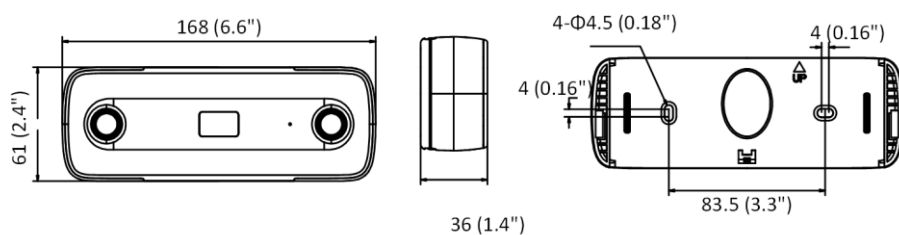
|                 |                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material        | Front cover: plastic, camera body: metal                                                                                                                                                |
| Dimensions      | With -V: 168 mm × 61 mm × 41 mm (6.6" × 2.4" × 1.6" )<br>Without -V: 168 mm × 61 mm × 36 mm (6.6" × 2.4" × 1.4")<br>With Package: 235 mm × 120 mm × 125 mm (9.2" × 4.7" × 4.9")         |
| Weight          | Camera: Approx. 435 g (1 lb.)<br>With package: 725 g (1.6 lb)                                                                                                                           |
| <b>Approval</b> |                                                                                                                                                                                         |
| 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 |
| 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                                                    |
| Environment     | 2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006                                                                                                                                    |
| Protection      | With -V model: IP67 (IEC 60529-2013)                                                                                                                                                    |

## Available Model

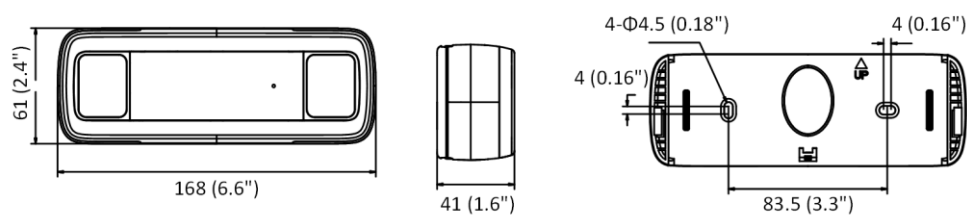
DS-2CD6825G0/C-I (2 mm), DS-2CD6825G0/C-IS (2 mm), DS-2CD6825G0/C-IV (2 mm), DS-2CD6825G0/C-IVS (2 mm)

## Dimension

Without -V Model:



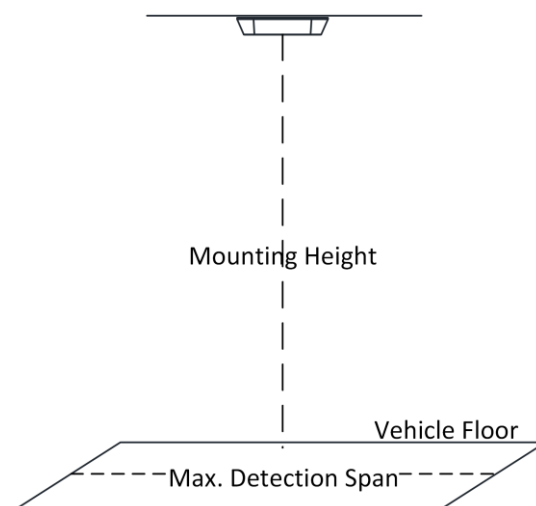
With -V Model:



## Installation Recommendation

Following table shows the relations among focal length, mounting height, and max. detection span of typical values. For detailed installation advice, please contact the technical support of HIKVISION.

| Focal Length (mm) | Mounting Height (m) | Max. Detection Span (m) |
|-------------------|---------------------|-------------------------|
| 2                 | 2.1                 | 1.02                    |
| 2                 | 2.6                 | 2.30                    |
| 2                 | 3.1                 | 3.58                    |
| 2                 | 3.6                 | 4.86                    |
| 2                 | 4.1                 | 6.14                    |
| 2                 | 4.6                 | 5.50                    |
| 2                 | 5.1                 | 6.45                    |
| 2                 | 5.6                 | 7.40                    |
| 2                 | 6                   | 8.16                    |



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