

# DS-2CD1H23G2-IZ

DS-2CD1H23G2-IZ 2.8-12mm 2mp IR30m VF Turret IP Human and Vehicle Detection IP  
KAMERA HIKVISION

|                       |                 |
|-----------------------|-----------------|
| Model                 | DS-2CD1H23G2-IZ |
| Brend                 | Hikvision       |
| Material              | Metal           |
| Qoruma                | IP67            |
| Növ                   | IP              |
| Meqapixel             | 2 MP            |
| Obyektiv              | Varifokal       |
| Fokus                 | 2.7 - 13.5mm    |
| İşıqlandırma          | İR              |
| İşıqlandırma məsafəsi | 30 m            |
| Yaddaş                | MicroSD         |
| İş mühiti             | Indoor          |



## Specification

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Camera                 |                                                                                                         |
| Image Sensor           | 1/2.9" Progressive Scan CMOS                                                                            |
| Max. Resolution        | 1920 × 1080                                                                                             |
| Min. Illumination      | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR                                                   |
| Shutter Time           | 1/3 s to 1/100,000 s                                                                                    |
| Day & Night            | IR cut filter                                                                                           |
| Angle Adjustment       | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°                                                    |
| Lens                   |                                                                                                         |
| Lens Type              | Varifocal lens, motorized lens, 2.8 to 12 mm                                                            |
| Focal Length & FOV     | 2.8 to 12 mm, horizontal FOV 102.4° to 31.2°, vertical FOV 54.4° to 17.5°, diagonal FOV 121.8° to 35.7° |
| Lens Mount             | Ø14                                                                                                     |
| Iris Type              | Fixed                                                                                                   |
| Aperture               | F1.6                                                                                                    |
| Illuminator            |                                                                                                         |
| Supplement Light Type  | IR                                                                                                      |
| Supplement Light Range | Up to 30 m                                                                                              |
| Smart Supplement Light | Yes                                                                                                     |
| IR Wavelength          | 850 nm                                                                                                  |
| Video                  |                                                                                                         |
| Main Stream            | 50 Hz: 25 fps (1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 720)                      |

|                             |                                                                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sub-Stream                  | 50 Hz: 25 fps(640 × 480,640 × 360)<br>60 Hz: 30 fps(640 × 480,640 × 360)                                                                                                                                                    |
| Video Compression           | Main stream: H.265+/H.265/H.264+/H.264<br>Sub-stream: H.265/H.264/MJPEG                                                                                                                                                     |
| Video BitRate               | 32 Kbps to 8 Mbps                                                                                                                                                                                                           |
| H.264 Type                  | Baseline Profile, MainProfile, High Profile                                                                                                                                                                                 |
| H.265 Type                  | Main Profile                                                                                                                                                                                                                |
| Region of Interest (ROI)    | 1 fixed region(s) for main stream                                                                                                                                                                                           |
| Audio                       |                                                                                                                                                                                                                             |
| Audio Compression           | -S: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC                                                                                                                                                                      |
| Audio BitRate               | -S: 64 Kbps (G.711)/16 Kbps (G.722.1)/<br>16 Kbps (G.726)/32 to 160 Kbps(MP2L2)/16 to<br>64 Kbps (AAC-LC)                                                                                                                   |
| Audio Sampling Rate         | -S: 8 kHz/16kHz                                                                                                                                                                                                             |
| Environment Noise Filtering | -S: Yes                                                                                                                                                                                                                     |
| Network                     |                                                                                                                                                                                                                             |
| Protocols                   | TCP/IP, ICMP,DHCP, DNS, HTTP,RTP, RTSP,<br>NTP,IGMP, IPv6, UDP,QoS, FTP, SMTP                                                                                                                                               |
| Simultaneous Live View      | Up to 6 channels                                                                                                                                                                                                            |
| API                         | Open NetworkVideo Interface (Profile S,<br>Profile G, Profile T), ISAPI, SDK                                                                                                                                                |
| Security                    | Password protection, complicated password,<br>watermark, basic and digest authentication for HTTP,WSSE and digestauthentication<br>for OpenNetwork Video<br>Interface, security audit log, hostauthentication (MAC address) |
| User/Host                   | Up to 32 users<br>3 user levels: administrator, operator, and user                                                                                                                                                          |

|                         |                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Client                  | iVMS-4200, Hik-Connect                                                                                                       |
| Web Browser             | Plug-in required liveview: IE 10, IE 11<br>Local service: Chrome 57.0+, Firefox 52.0+                                        |
| Image                   |                                                                                                                              |
| Image Settings          | Rotate mode,saturation, brightness, contrast, sharpness, gain, whitebalance,<br>adjustable by client software or web browser |
| Day/Night Switch        | Day, Night, Auto,Schedule                                                                                                    |
| Wide Dynamic Range(WDR) | Digital WDR                                                                                                                  |
| Image Enhancement       | BLC, HLC, 3D DNR                                                                                                             |
| Interface               |                                                                                                                              |
| Ethernet Interface      | 1 RJ4510 M/100 M self-adaptive Ethernet port                                                                                 |
| On-Board Storage        | Built-in memorycard slot, supportmicroSD/microSDHC/microSDXC card, up to 256 GB                                              |

|                                  |                                                                                                                                                                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio                            | -S: 1 input(s) (linein), two-core terminal block, max. inputamplitude: 3.3 Vpp,input impedance: 4.7 KΩ, interface type: non-equilibrium<br><br>-S: 1 output(s) (lineout), two-core terminal block, max. outputamplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| Alarm                            | -S: 1 input(s), 1 output(s)(max. 12 VDC, 30 mA)                                                                                                                                                                                                                                            |
| Reset Key                        | Yes                                                                                                                                                                                                                                                                                        |
| Event                            |                                                                                                                                                                                                                                                                                            |
| Basic Event                      | Motion detection (support alarm triggering by specified targettypes (human and vehicle)), videotampering alarm, exception                                                                                                                                                                  |
| Linkage                          | Upload to FTP/memory card, notify surveillance center, send email,trigger recording, trigger capture, trigger alarm output(-S)                                                                                                                                                             |
| General                          |                                                                                                                                                                                                                                                                                            |
| Power                            | 12 VDC± 25%, 0.75 A, max.9 W, Ø5.5 mm coaxial power plug<br><br>PoE: 802.3af, Class 3, 36 V to 57 V, 0.27 A to 0.17A, max. 10 W                                                                                                                                                            |
| Dimension                        | Ø129.4 mm × 116.4 mm (Ø5.1" × 4.6")                                                                                                                                                                                                                                                        |
| Package Dimension                | 170 mm × 170 mm × 150mm (6.7" × 6.7" × 5.9")                                                                                                                                                                                                                                               |
| Weight                           | Approx. 605 g (1.3 lb.)                                                                                                                                                                                                                                                                    |
| With Package Weight              | Approx. 880 g (1.9 lb.)                                                                                                                                                                                                                                                                    |
| Storage Conditions               | -30 °C to 60 °C (-22°F to 140 °F).<br><br>Humidity 95% or less(non-condensing)                                                                                                                                                                                                             |
| Startup and Operating Conditions | -30 °C to 60 °C (-22°F to 140 °F).<br><br>Humidity 95% or less(non-condensing)                                                                                                                                                                                                             |
| Language                         | English, Ukrainian                                                                                                                                                                                                                                                                         |
| General Function                 | Heartbeat, anti-banding, mirror,<br><br>password protection, privacymask, watermark                                                                                                                                                                                                        |
| Approval                         |                                                                                                                                                                                                                                                                                            |
| EMC                              | FCC: 47 CFR Part 15, SubpartB<br><br>CE-EMC: EN 55032: 2015,EN 61000-3-2: 2019,EN 61000-3-3: 2013+ A1: 2019, EN 50130-4: 2011+ A1: 2014<br><br>RCM: AS/NZS CISPR32: 2015 IC: ICES-003: Issue 7                                                                                             |
| Safety                           | UL: UL 62368-1<br><br>CB: IEC 62368-1: 2014+ A11<br><br>CE-LVD: EN 62368-1: 2014/A11: 2017<br><br>BIS: IS 13252(Part 1):2010/IEC 60950-1: 2005                                                                                                                                             |