



DS-2CD3161G2-LIUF



6 MP Smart Hybrid Light Motion 2.0 Fixed Mini Dome Network Camera

- High quality imaging with 6 MP resolution
- Support Human and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB WDR technology
- 3D DNR technology delivers clean and sharp images
- Built-in microphone for real-time audio security
- Support on-board storage up to 512 GB (SD card slot)
- Water and dust resistant (IP67) and vandal proof (IK08)



• Camera

- Image Sensor 1/2.4" Progressive Scan CMOS
- Max. Resolution 3200 × 1800
- 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 355°, tilt: 0° to 75°, rotate: 0° to 355°

• Lens

- Lens Type Fixed focal lens, 2.8 and 4 mm optional
- Focal Length & FOV
2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127°
4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96°

- Lens Mount M12

- Iris Type Fixed

- Aperture F1.6

- **DORI**

- DORI

2.8 mm, D: 76 m, O: 30 m, R: 15 m, I: 7 m

4 mm, D: 115 m, O: 45 m, R: 23 m, I: 11 m

- **Illuminator**

- Supplement Light TypeIR, White Light

- Supplement Light RangeUp to 30 m

- Smart Supplement LightYes

- IR Wavelength850 nm

- **Video**

- Main Stream

50 Hz:

20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)

60 Hz:

20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)

- Sub-Stream

50 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360)

60 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360)

- Third Stream

50 Hz: 1 fps (640 × 360)

60 Hz: 1 fps (640 × 360)

- Video Compression

Main stream: H.265+/H.265/H.264+/H.264,

Sub-stream: H.265/H.264/MJPEG,

Third stream: H.265/H.264

- Video Bit Rate 32 Kbps to 8 Mbps
- H.264 Type Baseline Profile, Main Profile, High Profile
- H.265 Type Main Profile
- Bit Rate Control CBR, VBR
- Region of Interest (ROI) 1 fixed region for main stream and sub-stream
- **Audio**
- Audio Type Mono sound
- Environment Noise Filtering Yes
- Audio Sampling Rate 8 kHz/16 kHz
- Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC
- Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)
- **Network**
- Security Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)
- Simultaneous Live View Up to 6 channels
- API Open Network Video Interface (Profile S, Profile T, Profile G), ISAPI, SDK
- Protocols TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP, HTTPS, DDNS, UPnP, 802.1X
- User/Host

Up to 32 users

3 user levels: administrator, operator, and user

- ClientiVMS-4200,Hik-Connect [Hikvision](#)

- Web Browser

Plug-in required live view: IE 10, IE 11,

Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+

- **Image**

- Wide Dynamic Range (WDR)120 dB

- SNR≥ 52 dB

- Day/Night SwitchDay,Night,Auto,Schedule

- Image EnhancementBLC,HLC,3D DNR

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

- Privacy Mask4 programmable polygon privacy masks

- **Interface**

- Ethernet Interface1 RJ45 10 M/100 M self-adaptive Ethernet port

- On-Board StorageBuilt-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB

- Built-in MicrophoneYes,1 built-in microphone

- Reset KeyYes

- **Event**

- Basic EventMotion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception

- Smart Event

Line crossing detection, intrusion detection

- LinkageUpload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture

- **General**

- Power

12 VDC \pm 25%, 0.5 A, max. 6 W, \varnothing 5.5 mm coaxial power plug, reverse polarity protection,

PoE: IEEE 802.3af, Class 3, max. 7.5 W

- MaterialBase: aluminum alloy, cover: plastic
- Dimension \varnothing 121.5 mm \times 97.6 mm (\varnothing 4.78" \times 3.84")
- Package Dimension150 mm \times 150 mm \times 141 mm (5.91" \times 5.91" \times 5.55")
- WeightApprox. 495 g (1.1 lb.)
- With Package WeightApprox. 705 g (1.6 lb.)
- Storage Conditions-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
- Startup and Operating Conditions-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
- LanguageEnglish, Turkish, Polish, Romanian, Czech, Slovak, Traditional Chinese, Thai, Vietnamese, Croatian, Slovenian, Serbian, Ukrainian
- General FunctionHeartbeat, mirror, flash log, password reset via email, pixel counter, password protection, anti-banding

- **Approval**

- EMC

CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021,

IC: ICES-003: Issue 7

- Safety

UL: UL 62368-1,

CB: IEC 62368-1: 2014+A11,

CE-LVD: EN 62368-1: 2014/A11: 2017,

BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005

- EnvironmentCE-RoHS: 2011/65/EU
- ProtectionIP67: IEC 60529-2013,IK08: IEC 62262:2002