



**HIKVISION®**

## 8 MP ColorVu Strobe Light & Audible Warning Fixed Turret Network Camera with 2.8mm

DS-2CD2387G2-LSU/SL (2.8mm)

SKU: 112949    UPC: 842571141641

Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses and high performance sensors. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

### Features

- High quality imaging with 8 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong backlight due to 130 dB WDR technology
- Focus on human and vehicle targets classification based on deep learning
- 24/7 colorful imaging
- Active strobe light and audio alarm to warn intruders off
- Provide real-time security via built-in two-way audio
- Audio and alarm interface available
- Water and dust resistant (IP67)

### Camera

- Image Sensor 1/1.2" Progressive Scan CMOS
- Max. Resolution 3840 × 2160
- Min. Illumination Color 0.0005 Lux @ (F1.0, AGC ON) 0 Lux with white light
- Shutter Speed 1/3 s to 1/100,000 s
- Day / Night 24/7 Color imaging
- Angle Adjustment Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°

### Lens

- Lens Type Fixed focal lens, 2.8 and 4 mm optional
- Focal Length / FOV 2.8 mm, horizontal FOV 102°, vertical FOV 52°, diagonal FOV 124°; 4 mm, horizontal FOV 88°, vertical FOV 47°, diagonal FOV 104°
- Lens Mount M mount
- Iris Type Fixed
- Aperture F1.0
- Depth of Field; 2.8 mm: 4.5 m to ∞; 4 mm: 7 m to ∞

### DORI

- DORI - 2.8 mm: D: 96 m, O: 38 m, R: 19 m, I: 9 m 4 mm: D: 102 m, O: 40 m, R: 20 m, I: 10 m

### IR

- Supplement Light Type White Light
- Supplement Light Range Up to 30 m
- Smart Supplement Light Yes

**KOA**

## Video

- Main Stream; 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
- Sub-Stream; 50 Hz: 25 fps (640 × 480, 640 × 360), 60 Hz: 30 fps (640 × 480, 640 × 360)
- Third Stream; 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360), 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
- Video Compression; Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
- Video Bit Rate 32 Kbps to 16 Mbps
- H.264 Type Baseline Profile/Main Profile/High Profile
- H.265 Type Main Profile
- Bit Rate Control CBR/VBR
- Scalable Video Coding (SVC) H.264 and H.265 encoding
- Region of Interest (ROI) 1 fixed region for main stream and sub-stream

## Audio

- Environment Noise Filtering -U: Yes
- Audio Sampling Rate -U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
- Audio Compression -U: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
- Audio Bit Rate -U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC)

## Network

- Simultaneous Live View Up to 6 channels
- API Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
- Protocols; TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP
- User/Host Up to 32 users. 3 user levels: administrator, operator and user
- Security - Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
- Network Storage NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
- Client iVMS-4200, Hik-Connect, Hik-Central
- Web Browser; Plug-in required live view: IE 10, IE 11; Plug-in free live view : Chrome 57.0+, Firefox 52.0+; Local service: Chrome 57.0+, Firefox 52.0+

## Image

- Wide Dynamic Range (WDR) 130 dB
- SNR ? 52 dB
- Privacy Mask 8 programmable polygon privacy masks, mask color or mosaic configurable
- Day/Night Switch Day, Night, Auto, Schedule
- Image Enhancement BLC, HLC, 3D DNR
- Image Parameters Switch Yes
- Image Settings - Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser

## Interface

- Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port
- On-Board Storage
- Built-in memory card slot, support microSD/microSDHC/microSDXC/TF card, up to 256 GB
- Built-in Microphone Yes
- Built-in Speaker 1.5 W, 10 cm: 95 dB
- Audio 1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 K?, interface type: non-equilibrium 1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 ?, interface type: non-equilibrium

- Alarm 1 input, 1 output (max. 24 VDC, 1 A)
- Reset Key Yes

## General

- Power; 12 VDC  $\pm$  25%, 0.63 A, max. 8.5 W, Ø 5.5 mm coaxial power plug, reverse polarity protection PoE: 802.3af, Class 3, 36 V to 57 V, 0.24 A to 0.15 A
- Material Cover: metal, main body: metal
- Dimension Ø 138.3 mm x 120.1 mm (Ø 5.4" x 4.7")
- Package Dimension 170 mm x 170 mm x 150 mm (6.7" x 6.7" x 5.9")
- Weight Approx. 900 g (2 lb.)
- With Package Weight Approx. 1190 g (2.6 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)
- Language 33 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), Ukrainian
- General Function Anti-flicker, heartbeat, mirror, password reset via e-mail, pixel counter

## Approval

- EMC FCC (47 CFR Part 15, Subpart B) CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014) RCM (AS/NZS CISPR 32: 2015) IC (ICES-003: Issue 7) KC (KN32: 2015, KN35: 2015)
- Safety UL (UL 62368-1) CB (IEC 62368-1: 2014+A11) CE-LVD (EN 62368-1: 2014/A11: 2017)
- Environment CE-RoHS (2011/65/EU) WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
- Protection IP67: IEC 60529-2013