

## DS-2CD2T47G2-L

### 4 MP ColorVu Fixed Bullet Network Camera

# ColorVu



Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses, high performance sensors and friendly lighting. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light. In zero-light scenarios, built-in, warm supplemental lighting works to guarantee colorful images.

- High quality imaging with 4 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 130 dB WDR technology
- Focusing on human and vehicle classification based on deep learning
- 24/7 colorful imaging



## ▪ Specification

| Camera                      |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/1.8" Progressive Scan CMOS                                                                                                                                                                      |
| Min. Illumination           | 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with Light                                                                                                                                                     |
| Shutter Speed               | 1/3 s to 1/100,000 s                                                                                                                                                                              |
| Slow Shutter                | Yes                                                                                                                                                                                               |
| P/N                         | P/N                                                                                                                                                                                               |
| Wide Dynamic Range          | 130 dB                                                                                                                                                                                            |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°                                                                                                                                              |
| Lens                        |                                                                                                                                                                                                   |
| Lens Type & FOV             | 2.8 mm, horizontal FOV 109°, vertical FOV 55°, diagonal FOV 138°<br>4 mm, horizontal FOV 94°, vertical FOV 49°, diagonal FOV 113°<br>6 mm, horizontal FOV 57°, vertical FOV 32°, diagonal FOV 66° |
| Depth of Focus              | 2.8 mm, 2.5 m to ∞<br>4 mm, 3.5 m to ∞<br>6 mm, 7.5 m to ∞                                                                                                                                        |
| Aperture                    | F1.0                                                                                                                                                                                              |
| Lens Mount                  | M16                                                                                                                                                                                               |
| DORI                        |                                                                                                                                                                                                   |
| DORI                        | 2.8 mm, D: 65 m, O: 21 m, R: 13 m, I: 6 m<br>4 mm, D: 72 m, O: 28 m, R: 14 m, I: 7 m<br>6 mm, D: 109 m, O: 43 m, R: 21 m, I: 10 m                                                                 |
| Illuminator                 |                                                                                                                                                                                                   |
| White Light Range           | 60 m                                                                                                                                                                                              |
| Smart Supplement Light      | Yes                                                                                                                                                                                               |
| Video                       |                                                                                                                                                                                                   |
| Max. Resolution             | 2688 × 1520                                                                                                                                                                                       |
| Main Stream                 | 50Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)                                                                                        |
| Sub Stream                  | 50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)                                                                                                  |
| Third Stream                | 50Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)                                                                          |
| Video Compression           | Main stream: H.265/H.264/H.264+/H.265+<br>Sub-stream: H.265/H.264/MJPEG<br>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                                                                                                                                                                                      |
| H.264+                      | Main Stream supports                                                                                                                                                                              |
| H.265+                      | Main Stream supports                                                                                                                                                                              |
| Bit Rate Control            | CBR/VBR                                                                                                                                                                                           |
| Scalable Video Coding (SVC) | Yes                                                                                                                                                                                               |
| Region of Interest (ROI)    | 1 fixed region for each stream                                                                                                                                                                    |

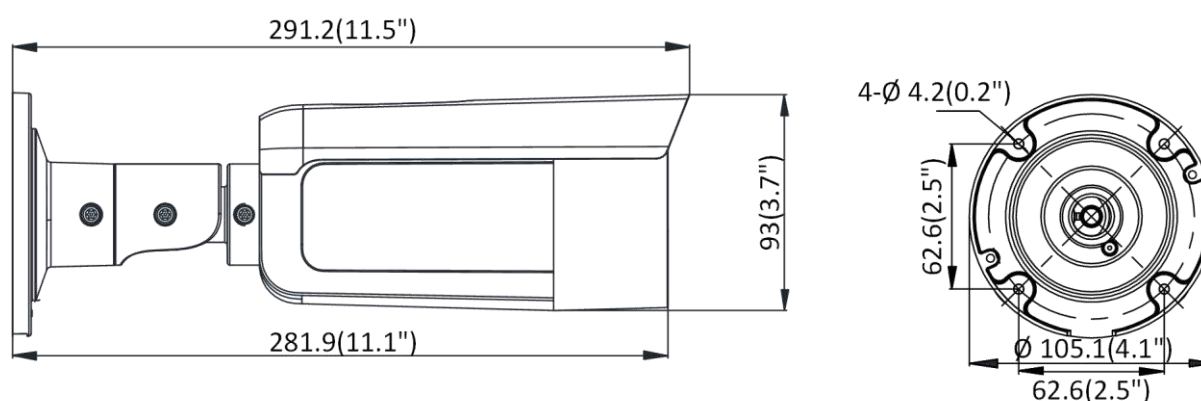
| Network                               |                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Simultaneous Live View                | Up to 6 channels                                                                                                                                                                                                                                                                                                                                        |
| API                                   | ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK                                                                                                                                                                                                                                                                                                     |
| 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 1.2, WSSE and digest authentication for ONVIF                                                                                                                                                   |
| Network Storage                       | MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS(NFS, SMB/CIFS), auto network replenishment (ANR)                                                                                                                                                                                                                                                 |
| Client                                | iVMS-4200, Hik-Connect, Hik-Central                                                                                                                                                                                                                                                                                                                     |
| Web Browser                           | Plug-in required live view: IE 8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+                                                                                                                                                                                                                |
| Image                                 |                                                                                                                                                                                                                                                                                                                                                         |
| 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                             |                                                                                                                                                                                                                                                                                                                                                         |
| On-board Storage                      | Built-in micro SD/SDHC/SDXC slot, up to 256 GB                                                                                                                                                                                                                                                                                                          |
| Hardware Reset                        | Yes                                                                                                                                                                                                                                                                                                                                                     |
| Communication Interface               | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                                                                                                                                                                                             |
| Smart Feature-Set                     |                                                                                                                                                                                                                                                                                                                                                         |
| Basic Event                           | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), scene change detection                                                                                                                                                                                              |
| Intelligent (Deep Learning Algorithm) |                                                                                                                                                                                                                                                                                                                                                         |
| Face Capture                          | Yes                                                                                                                                                                                                                                                                                                                                                     |
| Perimeter Protection                  | Line crossing detection, intrusion detection, region entrance detection, region exiting detection                                                                                                                                                                                                                                                       |
| General                               |                                                                                                                                                                                                                                                                                                                                                         |
| Linkage Method                        | Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture                                                                                                                                                                                                                                                                  |
| Web Client Language                   | 33 languages<br>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, privacy masks, flash log, password reset via e-mail, pixel counter                                                                                                                                                                                                                                                     |
| Software Reset                        | Yes                                                                                                                                                                                                                                                                                                                                                     |
| 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)                                                                                                                                                                                                                                                                               |
| Power Supply                          | 12 VDC ± 25%; PoE: 802.3af                                                                                                                                                                                                                                                                                                                              |

|                               |                                                                                                                                                                                                                                             |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Consumption and Current | 12 VDC, 0.7 A, max. 8.5 W<br>PoE (802.3af, 36 V to 57 V), 0.30 A to 0.18 A, max. 10.5 W                                                                                                                                                     |
| Power Interface               | Ø5.5 mm coaxial power plug                                                                                                                                                                                                                  |
| Material                      | Front cover: metal, back cover: metal                                                                                                                                                                                                       |
| Screw Material                | SUS304                                                                                                                                                                                                                                      |
| Camera Dimension              | Ø105.1 × 291.2 mm (Ø4.1" × 11.5")                                                                                                                                                                                                           |
| Package Dimension             | 385 × 190 × 180 mm (15.2" × 7.5" × 7.1")                                                                                                                                                                                                    |
| Camera Weight                 | Approx. 1260 g (2.8 lb.)                                                                                                                                                                                                                    |
| With Package Weight           | Approx. 1931 g (4.3 lb.)                                                                                                                                                                                                                    |
| <b>Approval</b>               |                                                                                                                                                                                                                                             |
| Class                         | Class B                                                                                                                                                                                                                                     |
| EMC                           | FCC SDoC (47 CFR Part 15, Subpart B);<br>CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014);<br>RCM (AS/NZS CISPR 32: 2015);<br>IC VoC (ICES-003: Issue 6, 2016);<br>KC (KN 32: 2015, KN 35: 2015) |
| Safety                        | UL (UL 60950-1);<br>CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);<br>CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);<br>BIS (IS 13252(Part 1):2010+A1:2013+A2:2015);<br>LOA (IEC/EN 60950-1)         |
| Environment                   | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)                                                                                                                                                               |
| Protection                    | Ingress protection: IP67 (IEC 60529-2013)                                                                                                                                                                                                   |

## ▪ Available Model

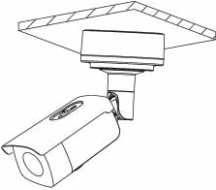
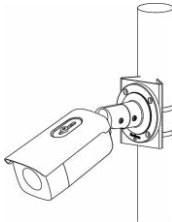
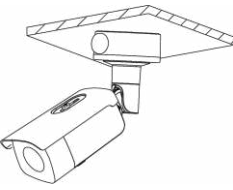
DS-2CD2T47G2-L (2.8 mm, 4 mm, 6 mm)

## ▪ Dimension



Unit: mm(inch)

- Accessory
- Optional

| DS-1280ZJ-S<br>Junction Box                                                       | DS-1275ZJ-S-SUS<br>Vertical Pole Mount                                            | DS-1260ZJ<br>Junction Box                                                          |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |  |
|  |  |  |

Distributed by



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