

## DS-2CD1T47G2H-LIU(F)

4 MP ColorVu with Smart Hybrid Light Fixed Bullet Network Camera

# ColorVu



- High quality imaging with 4 MP resolution
- Support Human and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range
- Efficient H.265+ compression technology
- Support on-board storage up to 512 GB (SD card slot) (Optional)
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67)

## ▪ Specification

| Camera                      |                                                                                                                                          |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/3" Progressive Scan CMOS                                                                                                               |
| Max. Resolution             | 2560 × 1440                                                                                                                              |
| Min. Illumination           | Color: 0.001 Lux @ (F1.0, AGC ON), 0 Lux with light                                                                                      |
| Shutter Time                | 1/3 s to 1/100,000 s                                                                                                                     |
| Day & Night                 | IR cut filter                                                                                                                            |
| Angle Adjustment            | Pan: 0° to 355°, tilt: 0° to 180°, rotate: 0° to 355°                                                                                    |
| Lens                        |                                                                                                                                          |
| Lens Type                   | Fixed focal lens, 2.8 and 4 mm optional                                                                                                  |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 115°, vertical FOV 60°, diagonal FOV 143°<br>4 mm, horizontal FOV 94°, vertical FOV 50°, diagonal FOV 110°        |
| Lens Mount                  | M12                                                                                                                                      |
| Iris Type                   | Fixed                                                                                                                                    |
| Aperture                    | F1.0                                                                                                                                     |
| DORI                        |                                                                                                                                          |
| DORI                        | 2.8 mm, D: 64 m, O: 25 m, R: 12 m, I: 6 m<br>4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m                                                     |
| Illuminator                 |                                                                                                                                          |
| Supplement Light Type       | IR, White Light                                                                                                                          |
| Supplement Light Range      | Up to 50 m                                                                                                                               |
| Smart Supplement Light      | Yes                                                                                                                                      |
| IR Wavelength               | 850 nm                                                                                                                                   |
| Video                       |                                                                                                                                          |
| Main Stream                 | 50 Hz:<br>20 fps (2560 × 1440)<br>25 fps (1920 × 1080, 1280 × 720)<br>60 Hz:<br>20 fps (2560 × 1440)<br>24 fps (1920 × 1080, 1280 × 720) |
| Sub-Stream                  | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 24 fps (1280 × 720, 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 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                                                                                                                                 |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding                                                                                                                 |
| Region of Interest (ROI)    | 1 fixed region for main stream                                                                                                           |
| Audio                       |                                                                                                                                          |
| Audio Type                  | Mono sound                                                                                                                               |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC                                                                                                     |
| Audio Bit Rate              | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)                                          |
| Audio Sampling Rate         | 8 kHz/16 kHz                                                                                                                             |

|                             |                                                                                                                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment Noise Filtering | Yes                                                                                                                                                                                                                    |
| <b>Network</b>              |                                                                                                                                                                                                                        |
| Protocols                   | IPv4, IPv6, TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, UDP, QoS, FTP, SMTP, UPnP                                                                                                                       |
| Simultaneous Live View      | Up to 6 channels                                                                                                                                                                                                       |
| API                         | Open Network Video Interface (Profile S, Profile T, Profile G (only -F model supports)), ISAPI, SDK                                                                                                                    |
| User/Host                   | Up to 32 users<br>3 user levels: administrator, operator, and user                                                                                                                                                     |
| Security                    | Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address) |
| Client                      | iVMS-4200, Hik-Connect                                                                                                                                                                                                 |
| Web Browser                 | Plug-in required live view: IE 10, IE 11,<br>Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+                                                                                                                      |
| <b>Image</b>                |                                                                                                                                                                                                                        |
| Image Settings              | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser                                                                                            |
| Day/Night Switch            | Day, Night, Auto, Schedule                                                                                                                                                                                             |
| Wide Dynamic Range (WDR)    | 120 dB                                                                                                                                                                                                                 |
| SNR                         | ≥ 52 dB                                                                                                                                                                                                                |
| Image Enhancement           | BLC, HLC, 3D DNR                                                                                                                                                                                                       |
| Privacy Mask                | 4 programmable polygon privacy masks                                                                                                                                                                                   |
| <b>Interface</b>            |                                                                                                                                                                                                                        |
| Ethernet Interface          | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                                                                          |
| On-Board Storage            | -F: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB                                                                                                                                  |
| Built-in Microphone         | Yes, 1 built-in microphone                                                                                                                                                                                             |
| Reset Key                   | -F: Yes                                                                                                                                                                                                                |
| <b>Event</b>                |                                                                                                                                                                                                                        |
| Basic Event                 | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception                                                                                            |
| Linkage                     | Upload to memory card (-F model supports), trigger recording(-F model supports), upload to FTP, notify surveillance center, send email, trigger capture, notify surveillance center, send email, trigger capture       |
| <b>General</b>              |                                                                                                                                                                                                                        |
| Power                       | 12 VDC ± 25%, 0.57 A, max. 6.8 W, Ø5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3af, Class 3, max. 8.3 W                                                                                   |
| Material                    | Front cover: metal, body: plastic, bracket: plastic                                                                                                                                                                    |
| Dimension                   | 81 mm × 83.7 mm × 201.96 mm (3.17" × 3.29" × 7.95")                                                                                                                                                                    |
| Package Dimension           | 150 mm × 150 mm × 141 mm (5.91" × 5.91" × 5.55")                                                                                                                                                                       |
| Weight                      | Approx. 550 g (1.2 lb.)                                                                                                                                                                                                |
| With Package Weight         | Approx. 800 g (1.8 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                         | English, Ukrainian                                                                                                                                                          |
| General Function                 | Heartbeat, anti-banding, mirror, password protection, password reset via email                                                                                              |
| <b>Approval</b>                  |                                                                                                                                                                             |
| 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, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7 |
| Safety                           | CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005                                                               |
| Environment                      | CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006                                                                                                  |
| Protection                       | IP67: IEC 60529-2013                                                                                                                                                        |

## ▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

| Level                  | Description                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Top-level protection   | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.                                             |
| Moderate protection    | Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain. |
| No specific protection | Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.                                                                                                                                  |

## ▪ Available Model

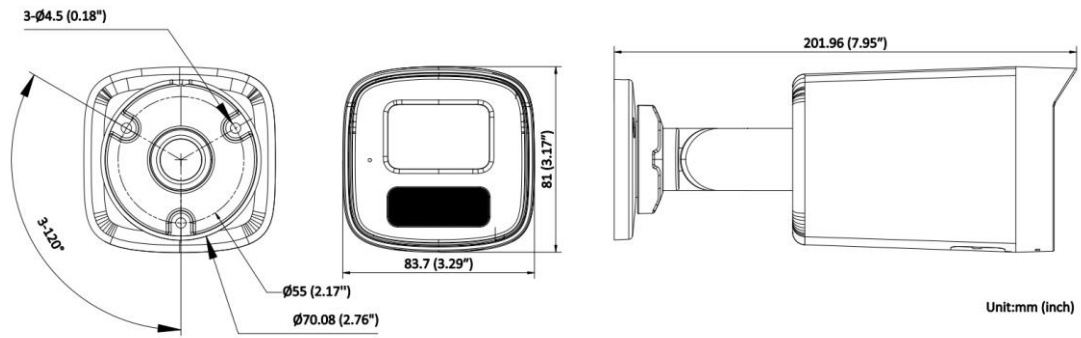
DS-2CD1T47G2H-LIU(2.8mm)

DS-2CD1T47G2H-LIU(4mm)

DS-2CD1T47G2H-LIUF(2.8mm)

DS-2CD1T47G2H-LIUF(4mm)

▪ Dimension



▪ Accessory

▪ Optional

| DS-1275ZJ-SUS<br>Vertical pole mount                                                | DS-1276ZJ-SUS<br>Corner mount                                                      | DS-1280ZJ-XS<br>Junction box                                                          |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |

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