

# ***DUNLOP***

**DP-12CD2047G2-LU/SL**

**4 MP ColorVu Strobe Light and Audible Warning Fixed Mini Bullet Network Camera**

**ColorVu**



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.

- High quality imaging with 4 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
- Water and dust resistant (IP67)

## ▪ Specification

| Camera                 |   |
|------------------------|---|
| Image Sensor           | 1/1.8" Progressive Scan CMOS  |
| 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  |
| Slow Shutter           | Yes   |
| Wide Dynamic Range     | 130 dB  |
| Angle Adjustment       | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°  |
| Lens                   |   |
| Focal Length & FOV     | 2.8 mm, horizontal FOV 111.9°, vertical FOV 60.5°, diagonal FOV 133.6°<br>4 mm, horizontal FOV 95.2°, vertical FOV 50.6°, diagonal FOV 114.7°<br>6 mm, horizontal FOV 58.4°, vertical FOV 31°, diagonal FOV 68.7° |
| Lens Mount             | M16   |
| Aperture               | F1.0  |
| Depth of Field         | 2.8 mm: 3.1 m to ∞<br>4 mm: 5.4 m to ∞<br>6 mm: 12.1 m to ∞   |
| DORI                   |   |
| DORI                   | 2.8 mm, D: 58.2 m, O: 23.1 m, R: 11.6 m, I: 5.8 m<br>4 mm, D: 77 m, O: 30.5 m, R: 15.4 m, I: 7.7 m<br>6 mm, D: 115.6 m, O: 45.9 m, R: 23.1 m, I: 11.6 m   |
| Illuminator            |   |
| Smart Supplement Light | Yes   |
| White Light Range      | Up to 40 m  |
| Visual Alarm           | Yes   |
| Video                  |   |
| Max. Resolution        | 2688 × 1520   |
| Main Stream            | 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)  |
| Sub-Stream             | 50 Hz: 25 fps (640 × 480, 640 × 360)<br>60 Hz: 30 fps (640 × 480, 640 × 360)  |
| Third Stream           | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>*Third stream is supported under certain settings.                              |
| Video Compression      | Main stream: H.265/H.264/H.265+/H.264+<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264<br>*Third stream is supported under certain settings.  |
| 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)   | H.265 and H.264 encoding   |
| Region of Interest (ROI)      | 1 fixed region for main stream and sub-stream  |
| <b>Audio</b>                  |  |
| Audio Compression             | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC  |
| Audio Bit Rate                | 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)   |
| Audio Sampling Rate           | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz  |
| Environment Noise Filtering   | Yes  |
| <b>Network</b>                |  |
| 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, ARP  |
| Simultaneous Live View        | Up to 6 channels   |
| API                           | Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK   |
| 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), MicroSD/SDHC/SDXC card (256 GB) local storage<br>Together with high-end Hikvision memory card, memory card encryption and health detection are supported                  |
| Client                        | iVMS-4200, Hik-Connect, Hik-Central  |
| Web Browser                   | Plug-in required live view: IE 10+<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+<br>Local service: Chrome 57.0+, Firefox 52.0+  |
| <b>Image</b>                  |  |
| Image Parameters Switch       | Yes  |
| Image Settings                | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser   |
| Day/Night Switch              | Auto, Schedule   |
| SNR                           | ≥ 52 dB  |
| Image Enhancement             | BLC, HLC, 3D DNR   |
| <b>Interface</b>              |  |
| Ethernet Interface            | 1 RJ45 10 M/100 M self-adaptive Ethernet port  |
| On-Board Storage              | Built-in memory card slot, support microSD/SDHC/SDXC slot, up to 256 GB  |
| Built-in Microphone           | Yes  |
| Built-in Speaker              | 1.2 W, 10 cm: 95 dB  |
| Hardware Reset                | Yes  |
| <b>Event</b>                  |  |
| Basic Event                   | Motion detection (human and vehicle targets classification), video tampering alarm, exception  |
| Smart Event                   | Scene change detection   |
| <b>Deep Learning Function</b> |  |
| Face Capture                  | Yes  |

|                                  |   |
|----------------------------------|---|
| Perimeter Protection             | Line crossing detection, intrusion detection, region entrance detection, region exiting detection<br>Supports human and vehicle targets classification  |
| <b>General</b>                   |   |
| Linkage Method                   | Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email, strobe light, audible warning, trigger alarm output  |
| Camera Material                  | Aluminum alloy body   |
| Camera Dimension                 | Ø74.4 mm × 179.2 mm (Ø2.9" × 7.1")  |
| Package Dimension                | 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")   |
| Camera Weight                    | Approx. 510 g (1.1 lb.)   |
| With Package Weight              | Approx. 760 g (1.7 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)   |
| 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 mask, flash log, password reset via email, pixel counter   |
| Firmware Version                 | V5.5.114  |
| Software Reset                   | Yes   |
| Power Consumption and Current    | 12 VDC, 0.5 A, max. 6 W<br>PoE (802.3af, 36 V to 57 V), 0.25 A to 0.15 A , max. 7.5 W   |
| Power Supply                     | 12 VDC ± 25%<br>PoE: 802.3af, Class 3   |
| Power Interface                  | Ø5.5 mm coaxial power plug  |
| <b>Approval</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>LOA: IEC/EN 60950-1   |
| Environment                      | CE-RoHS: 2011/65/EU;<br>WEEE: 2012/19/EU;<br>Reach: Regulation (EC) No 1907/2006  |
| Protection                       | IP67: IEC 60529-2013  |

## ▪ Dimension

