

# DS-2CD1T27G0-L(UF) 2 MP ColorVu Fixed Bullet Network Camera













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.

- High quality imaging with 2 MP resolution
- Excellent low-light performance
- Efficient H.265+ compression technology
- Water and dust resistant (IP67)
- 24/7 colorful imaging





## Specification

Inage Sensor         1/2.8" Progressive Scan CMOS           Max. Resolution         1920 × 1080           Min. Illumination         Color: 0.001 Lux @ (F1.0, AGC ON), B/W: 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 180", rotate: 0" to 360"           Eens         Verage of the Goal lens, 4 and 6 mm optional           Focal Length & FOV         4 mm, horizontal FOV 38.6", vertical FOV 46.2", diagonal FOV 63.3"           Eens Mount         M12           Iris Type         Fixed           Aperture         F1.0           DORI         4 mm, Dr 53.4 m, Dr 21.2 m, R: 10.7 m, I: 5.3 m           Aperture         f mm, Dr 53.4 m, Dr 21.2 m, R: 10.7 m, I: 5.3 m           Born Dori         6 mm, Dr 53.4 m, Dr 21.2 m, R: 10.7 m, I: 5.3 m           Born Strap Bement Light Type         White Light           Supplement Light Range         Up to 50 m           Supplement Light Range         Up to 50 m           Supplement Light Range         Up to 50 m           Supplement Light Stream         50 Hz: 25 fps [400 × 480, 480 × 320 )           Go Hz: 30 fps [1920 × 1080, 1280 × 720]         60 Hz: 30 fps [1920 × 1080, 1280 × 720]           Go Hz: 25 fps [640 × 480, 640 × 360 ) </th <th>Camera</th> <th></th>	Camera	
Min. Illumination         Color: 0.001 Lux @ (F1.0, AGC ON), B/W: 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 180°, rotate: 0" to 360°           Lens         Type           Eens Type         Fixed focal lens, 4 and 6 mm optional           Focal Length & FOV         4 mm, horizontal FOV 54.6°, vertical FOV 46.2°, diagonal FOV 97.5°           6 mm, horizontal FOV 54.6°, vertical FOV 29.9°, diagonal FOV 63.3°           Lens Mount         M12           Iris Type         Fixed           Aperture         F1.0           DORI         4 mm, D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m           6 mm, D: 82.8 m, O: 32.8 m, R: 16.6 m, I: 8.3 m           Illuminator           Supplement Light Type         White Light           Supplement Light Range         Up to 50 m           Smart Supplement Light         Yes           Video         Sup 1920 x 1080, 1280 x 720)           6 Hr: 30 fps (1920 x 1080, 1280 x 720)           6 Hr: 30 fps (1920 x 1080, 1280 x 720)           8ub-Stream         50 Hr: 25 fps (1920 x 1080, 1280 x 720)           8ub-Stream         6 Hr: 30 fps (640 x 480, 640 x 360)           Video Compression         Main stream:	Image Sensor	1/2.8" Progressive Scan CMOS
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 180°, rotate: 0° to 360°           Lens         Version of 180°, tilt: 0° to 180°, rotate: 0° to 360°           Lens Type         Fixed focal lens, 4 and 6 mm optional           Focal Length & FOV         4 mm, horizontal FOV 83.6°, vertical FOV 46.2°, diagonal FOV 97.5° 6 mm, horizontal FOV 54.6°, vertical FOV 29.9°, diagonal FOV 63.3°           Lens Mount         M12           Iris Type         Fixed           Aperture         F1.0           DORI         4 mm, D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m           6 mm, D: 82.8 m, O: 32.8 m, R: 16.6 m, I: 8.3 m         Illuminator           Supplement Light Type         White Light           Supplement Light Range         Up to 50           Smart Supplement Light         Yes           Video         Yes           Main Stream         50 Hz: 25 fps (1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (640 × 480, 640 × 360)           60 Hz: 30 fps (1920 × 1080, 1280 × 720)           Video Compression         Main stream: H.265/H.264/MJPEG           Video Bit Rate         32 Kbps to 8 Mbps           H.264 Type         Baseline Profile/Main Profile/High Profile	Max. Resolution	1920 × 1080
Day & Night         24/7 Color imaging           Angle Adjustment         Pan: 0* to 360*, tilt: 0* to 180*, rotate: 0* to 360*           Lens         Lens           Lens Type         Fixed focal lens, 4 and 6 mm optional           Focal Length & FOV         Fixed focal lens, 4 and 6 mm optional           Focal Length & FOV         4 mm, horizontal FOV 83.6*, vertical FOV 49.9*, diagonal FOV 63.3*           Lens Mount         M12           Itis Type         Fixed           Aperture         F1.0           PORI         4 mm, D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m           6 mm, D: 82.8 m, O: 32.8 m, R: 16.6 m, I: 8.3 m           Illuminator           Supplement Light Type         White Light           Supplement Light Range         Up to 50 m           Supplement Light Range         Up to 50 m           Video         Video           Video           Wiscobstream         50 Hz: 25 fps (1920 × 1080, 1280 × 720)           60 Hz: 30 fps (1920 × 1080, 1280 × 720)         60 Hz: 30 fps (1920 × 1080, 1280 × 720)           50 Hz: 25 fps (640 × 480, 640 × 360)         60 Hz: 30 fps (640 × 480, 640 × 360)           60 Hz: 30 fps (640 × 480, 640 × 360)         60 Hz: 30 fps (640 × 480, 640 × 360)           Video Gumpression         Jike reprise (Applement Lig	Min. Illumination	Color: 0.001 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light
Angle Adjustment         Pan: 0" to 360", tilt: 0" to 180", rotate: 0" to 360"           Lens         Type         Fixed focal lens, 4 and 6 mm optional           Focal Length & FOV         Fixed focal lens, 4 and 6 mm optional           Focal Length & FOV         4 mm, horizontal FOV 54.6", vertical FOV 29.9", diagonal FOV 63.3"           Lens Mount         M12           Iris Type         Fixed           Aperture         F1.0           DORI           4 mm, D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m           6 mm, D: 82.8 m, O: 32.8 m, R: 16.6 m, I: 8.3 m           Illuminator           Supplement Light Type         White Light           Supplement Light Range         Up to 50 m           Smart Supplement Light Suppleme	Shutter Speed	1/3 s to 1/100, 000 s
Lens         Fixed focal lens, 4 and 6 mm optional           Focal Length & FOV         Fixed focal lens, 4 and 6 mm optional           Focal Length & FOV         4 mm, horizontal FOV 83.6°, vertical FOV 46.2°, diagonal FOV 63.3°           Lens Mount         M12           Iris Type         Fixed           Aperture         F1.0           ODRI                    4 mm, D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m                    6 mm, D: 82.8 m, O: 32.8 m, R: 16.6 m, I: 8.3 m                    Illuminator                    Supplement Light Type             White Light                    Supplement Light Range             Up to 5 m                    Smart Supplement Light             Yes                    Video             Video                    Main Stream             50 Hz: 25 fps (1920 × 1080, 1280 × 720)                          60 Hz: 30 fps (1920 × 1080, 1280 × 720)             50 Hz: 25 fps (640 × 480, 640 × 360)                           60 Hz: 30 fps (1920 × 1080, 1280 × 720)             50 Hz: 25 fps (640 × 480, 640 × 360)	Day & Night	24/7 Color imaging
Lens Type         Fixed focal lens, 4 and 6 mm optional           Focal Length & FOV         4 mm, horizontal FOV 83.6°, vertical FOV 46.2°, diagonal FOV 97.5° 6 mm, horizontal FOV 54.6°, vertical FOV 29.9°, diagonal FOV 63.3°           Lens Mount         M12           List Type         Fixed           Aperture         F1.0           DORI           4 mm, D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m 6 mm, D: 82.8 m, O: 32.8 m, R: 16.6 m, I: 8.3 m           Illuminator           Supplement Light Type         White Light           Supplement Light Range         Up to 50 m           Smart Supplement Light         Yes           Video         Video           Main Stream         50 Hz: 25 fps (1920 × 1080, 1280 × 720)           60 Hz: 30 fps (1920 × 1080, 1280 × 720)         60 Hz: 30 fps (640 × 480, 640 × 360)           Video Compression         Main stream: H.265/H.64/H.265/H.264           Video Bit Rate         32 Kbps to 8 Mbps           H.264 Type         Main Profile           Region of Interest (ROI)         1 fixed region for main stream           Audio Compression         -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC           Audio Bit Rate         -UF: G.711ulaw/G.711alaw/G.712alaw/G.722.1/G.726/MP2L2/PCM/AAC           Audio Sampling Rate	Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 180°, rotate: 0° to 360°
Focal Length & FOV	Lens	
Focal Length & FOV         6 mm, horizontal FOV 54.6°, vertical FOV 29.9°, diagonal FOV 63.3°           Lens Mount         M12           Iris Type         Fixed           Aperture         F1.0           DORI           4 mm, D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m 6 mm, D: 82.8 m, O: 32.8 m, R: 16.6 m, I: 8.3 m           Illuminator           Supplement Light Type         White Light           Supplement Light Range         Up to 50 m           Smart Supplement Light         Yes           Video           Main Stream         50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)           Main stream: H.265+/H.64+/H.265/H.264 Sub-stream: H.265+/H.64+/H.265/H.264           Video Compression         Main stream: H.265+/H.64+/H.265/H.264           Video Baseline Profile/Main Profile/High Profile           H.265 Type         Main Profile           Region of Interest (ROI)         1 fixed region for main stream           Audio Compression         UF: 6.711ulaw/G.711alaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC           Audio Sampling Rate         -UF: 64 Kbps (G.711ulaw/G.711alaw)/	Lens Type	Fixed focal lens, 4 and 6 mm optional
S mm, horizontal FOV 54.6*, vertical FOV 29.9*, diagonal FOV 63.3*   Lens Mount	5 II II 0 50V	4 mm, horizontal FOV 83.6°, vertical FOV 46.2°, diagonal FOV 97.5°
Iris Type         Fixed           Aperture         F1.0           DORI           4 mm, D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m 6 mm, D: 82.8 m, O: 32.8 m, R: 16.6 m, I: 8.3 m           Iliuminator           Supplement Light Type         White Light           Supplement Light Range         Up to 50 m           Smart Supplement Light         Yes           Video           Main Stream         50 Hz: 25 fps (1920 × 1080, 1280 × 720)           60 Hz: 30 fps (1920 × 1080, 1280 × 720)         60 Hz: 30 fps (1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (1920 × 1080, 1280 × 720)           60 Hz: 30 fps (640 × 480, 640 × 360)         60 Hz: 30 fps (640 × 480, 640 × 360)           Video Compression         Main stream: H.265+/H.64+/H.265/H.264           Video Compression         Main stream: H.265+/H.64+/H.265/H.264           Video Bit Rate         32 Kbps to 8 Mbps           H.265 Type         Baseline Profile/Main Profile/High Profile           H.265 Type         Main Profile           Region of Interest (ROI)         1 invertigen for main stream           Audio Compression         -UF: G.711ulaw/G.711alaw/G.712.1/G.726/MP2L2/PCM/AAC           Audio Sampling Rate         -UF: 64 Kbps (G.711ulaw/G.711alaw/J.16 Kbps (G.7	Focal Length & FOV	6 mm, horizontal FOV 54.6°, vertical FOV 29.9°, diagonal FOV 63.3°
Aperture         F1.0           DORI           4 mm, D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m 6 mm, D: 82.8 m, O: 32.8 m, R: 16.6 m, I: 8.3 m           Illuminator           Supplement Light Type         White Light           Supplement Light Range         Up to 50 m           Smart Supplement Light         Yes           Video           Main Stream         50 Hz: 25 fps (1920 × 1080, 1280 × 720)           60 Hz: 30 fps (1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (640 × 480, 640 × 360)           60 Hz: 30 fps (640 x 480, 640 × 360)           Video Compression         Main stream: H.265+H.64+/H.265+H.264           Sub-stream: H.265+H.64+/H.265+H.264           Muse-stream: H.265+H.64+/H.265+H.264           Muse-stream: H.265+H.64+/H.265+H.264           H.264 Type           Baseline Profile/Main Profile/High Profile           H.265 Type           Mair Stream: H.265+H.64+/H.265+H.264           Muse-stream: H.265+H.64+/H.265+H.264           Muse-stream: H.265+H.264-/MJPEG           Muse-stream: H.265+H.264-/MJPEG           Muse-stream: H.265+H.264-/MJPEG	Lens Mount	M12
DORI         4 mm, D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m 6 mm, D: 82.8 m, O: 32.8 m, R: 16.6 m, I: 8.3 m           liumiator           Supplement Light Type         White Light           Supplement Light Range         Up to 50 m           Smart Supplement Light         Yes           Video           Video           S0 Hz: 25 fps (1920 × 1080, 1280 × 720)           60 Hz: 25 fps (640 × 480, 640 × 360)           60 Hz: 25 fps (640 × 480, 640 × 360)           60 Hz: 30 fps (640 × 480, 640 × 360)           60 Hz: 30 fps (640 × 480, 640 × 360)           Main stream: H.265+/H.64+/H.265/H.264           Sub-stream: H.265+/H.64+/H.265/H.264           Video Bit Rate         32 k bps to 8 Mbps           H.264 Type         Baseline Profile/Main Profile/High Profile           H.265 Type         Main Profile           Region of Interest (ROI)         1 fixed region for main stream           Audio Compression         -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC           Audio Sampling Rate         -UF: 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)           Network	Iris Type	Fixed
DORI         4 mm, D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m           illuminator           Supplement Light Type         White Light           Supplement Light Range         Up to 50 m           Smart Supplement Light         Yes           Video         Video           Main Stream         50 Hz: 25 fps (1920 × 1080, 1280 × 720)           60 Hz: 30 fps (1920 × 1080, 1280 × 720)         60 Hz: 30 fps (640 × 480, 640 × 360)           60 Hz: 30 fps (640 × 480, 640 × 360)         60 Hz: 30 fps (640 × 480, 640 × 360)           Video Compression         Main stream: H.265/H.64/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           Region of Interest (ROI)         1 fixed region for main stream           Audio         UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC           Audio Compression         -UF: 64 kbps (G.711ulaw/G.711alaw/G.711alaw)/16 kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC)           Audio Sampling Rate         -UF: 8 kHz/16 kHz           Protocols         TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS           Simultaneous Live View         Up to 6 channels	Aperture	F1.0
DORI         Illuminator         Supplement Light Type       White Light         Supplement Light Range       Up to 50 m         Smart Supplement Light       Yes         Video         Wideo         SUB-2: 5 fps (1920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (640 × 480, 640 × 360)         60 Hz: 30 fps (640 × 480, 640 × 360)       60 Hz: 25 fps (640 × 480, 640 × 360)         Video Compression       Main stream: Hz.265/Hz.64/MJPEG         Video Bit Rate       32 Kbps to 8 Mbps         H. 264 Type       Baseline Profile/Main Profile/High Profile         H. 265 Type       Main Profile         Region of Interest (ROI)       1 fixed region for main stream         Audio         Audio Compression       - UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC         Audio Bit Rate       - UF: G.711ulaw/G.711alaw/G.711alaw/G.712.1law/G.712.1/G.726/MP2L2/PCM/AAC         Audio Sampling Rate       - UF: 64 Kbps (MP2L2)/16 to 64 Kbps (AAC)         Audio Sampling Rate       - UF: 98 kHz/16 kHz         Environment No	DORI	
Illuminator         Supplement Light Type       White Light         Supplement Light Range       Up to 50 m         Supplement Light Range       Up to 50 m         Video         Video         Sub-Stream       50 Hz: 25 fps (920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (640 × 480, 640 × 360)         60 Hz: 30 fps (640 × 480, 640 × 360)         60 Hz: 25 fps (640 × 480, 640 × 360)         60 Hz: 25 fps (640 × 480, 640 × 360)         60 Hz: 25 fps (640 × 480, 640 × 360)         60 Hz: 25 fps (640 × 480, 640 × 360)         60 Hz: 25 fps (640 × 480, 640 × 360)         60 Hz: 25 fps (640 × 480, 640 × 360)         Main stream: H.265/H.64+/H.265/H.264         Sub-stream: H.265/H.640 × 480, 640 × 360)         Miss preprise         Main stream: H.265/H.264/MJPEG         Miss preprise         Main stream: H.265/H.264/MJPEG         Main stream: H.265/H.264/MJPEG         Main stream: H.265/H.264/MJPEG         Main stream: H.265/H.264 fps (27.11ulaw/G.711alaw/G.722.I/G.726/MP2L2/PCM/AAC	200	4 mm, D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m
Supplement Light TypeWhite LightSupplement Light RangeUp to 50 mSmart Supplement LightYesVideoVideoMain Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265+/H.64+/H.265+/H.264 Sub-stream: H.265+/H.64+/H.265+/H.64Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile/Main Profile/High ProfileH.265 TypeMain ProfileRegion of Interest (ROI)1 fixed region for main streamAudioUF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AACAudio Sampling Rate-UF: 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)Audio Sampling Rate-UF: 8 kHz/16 kHzEnvironment Noise Filtering-UF: YesNetworkProtocolsTCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLSSimultaneous Live ViewUp to 6 channels	DORI	6 mm, D: 82.8 m, O: 32.8 m, R: 16.6 m, I: 8.3 m
Supplement Light RangeUp to 50 mSmart Supplement LightYesVideoVideoMain Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265/H.64+/H.265/H.264 Sub-stream: H.265/H.264/MJPEGVideo Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile/Main Profile/High ProfileH.265 TypeMain ProfileRegion of Interest (ROI)1 fixed region for main streamAudio-UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AACAudio Bit Rate-UF: 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)Audio Sampling Rate-UF: 8 kHz/16 kHzEnvironment Noise Filtering-UF: YesNetworkTCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLSSimultaneous Live ViewUp to 6 channels	Illuminator	
Smart Supplement LightYesVideoVideoMain Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265+/H.64+/H.265/H.264 Sub-stream: H.265+/H.64+/H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile/Main Profile/High ProfileH.265 TypeMain ProfileRegion of Interest (ROI)1 fixed region for main streamAudioUF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AACAudio Bit Rate-UF: 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)Audio Sampling Rate-UF: 8 kHz/16 kHzEnvironment Noise Filtering-UF: 8 kHz/16 kHzEnvironment Noise Filtering-UF: YesNetworkTCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnPM, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLSSimultaneous Live ViewUp to 6 channels	Supplement Light Type	White Light
VideoMain Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265+/H.64+/H.265/H.264 Sub-stream: H.265+/H.64+/H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile/Main Profile/High ProfileH.265 TypeMain ProfileRegion of Interest (ROI)1 fixed region for main streamAudio-UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AACAudio Bit Rate-UF: 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)Audio Sampling Rate-UF: 8 kHz/16 kHzEnvironment Noise Filtering-UF: 8 kHz/16 kHzProtocolsTCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLSSimultaneous Live ViewUp to 6 channels	Supplement Light Range	Up to 50 m
Main Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720)60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360)60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265+/H.64+/H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile/Main Profile/High ProfileH.265 TypeMain ProfileRegion of Interest (ROI)1 fixed region for main streamAudioUF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AACAudio Bit Rate-UF: 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)Audio Sampling Rate-UF: 8 kHz/16 kHzEnvironment Noise Filtering-UF: YesNetworkTCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLSSimultaneous Live ViewUp to 6 channels	Smart Supplement Light	Yes
Main Stream60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265+/H.64+/H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile/Main Profile/High ProfileH.265 TypeMain ProfileRegion of Interest (ROI)1 fixed region for main streamAudio-UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AACAudio Bit Rate-UF: 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)Audio Sampling Rate-UF: 8 kHz/16 kHzEnvironment Noise Filtering-UF: YesNetworkTCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLSSimultaneous Live ViewUp to 6 channels	Video	
Sub-Stream  50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) Wideo Compression  Main stream: H.265+/H.64+/H.265/H.264 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 Region of Interest (ROI) 1 fixed region for main stream  Audio  Audio Compression  -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC  -UF: 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)  Audio Sampling Rate -UF: 8 kHz/16 kHz Environment Noise Filtering -UF: Yes  Network  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnPTM, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View  Up to 6 channels	Main Stroom	50 Hz: 25 fps (1920 × 1080, 1280 × 720)
Sub-Stream 60 Hz: 30 fps (640 × 480, 640 × 360)  Video Compression  Main stream: H.265+/H.64+/H.265/H.264 Sub-stream: H.265/H.264/MJPEG  Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile/Main Profile H.265 Type Main Profile Region of Interest (ROI) 1 fixed region for main stream  Audio  Audio Compression  -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC  -UF: 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)  Audio Sampling Rate -UF: 8 kHz/16 kHz Environment Noise Filtering -UF: Yes  Network  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View Up to 6 channels	iviairi Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Wain stream: H.265+/H.64+/H.265/H.264 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 Region of Interest (ROI) Audio Audio Audio Compression  -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC -UF: 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)  Audio Sampling Rate -UF: 8 kHz/16 kHz Environment Noise Filtering -UF: Yes  Network  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View  Up to 6 channels	Sub Stroom	50 Hz: 25 fps (640 × 480, 640 × 360)
Video CompressionSub-stream: H.265/H.264/MJPEGVideo Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile/Main Profile/High ProfileH.265 TypeMain ProfileRegion of Interest (ROI)1 fixed region for main streamAudioAudio Compression-UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AACAudio Bit Rate-UF: 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)Audio Sampling Rate-UF: 8 kHz/16 kHzEnvironment Noise Filtering-UF: YesNetworkTCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLSSimultaneous Live ViewUp to 6 channels	Sub-Stream	60 Hz: 30 fps (640 × 480, 640 × 360)
Video Bit Rate  32 Kbps to 8 Mbps  H.264 Type  Baseline Profile/Main Profile High Profile  H.265 Type  Main Profile  Region of Interest (ROI)  1 fixed region for main stream  Audio  Audio Compression  -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC  -UF: 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)  Audio Sampling Rate  -UF: 8 kHz/16 kHz  Environment Noise Filtering  -UF: Yes  Network  Protocols  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View  Up to 6 channels	Video Compression	Main stream: H.265+/H.64+/H.265/H.264
H.264 Type Baseline Profile/Main Profile H.265 Type Main Profile Region of Interest (ROI) 1 fixed region for main stream  Audio Audio Compression -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC -UF: 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)  Audio Sampling Rate -UF: 8 kHz/16 kHz Environment Noise Filtering -UF: Yes  Network  Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View Up to 6 channels		Sub-stream: H.265/H.264/MJPEG
H.265 Type Main Profile  Region of Interest (ROI) 1 fixed region for main stream  Audio  Audio Compression -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC  -UF: 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)  Audio Sampling Rate -UF: 8 kHz/16 kHz  Environment Noise Filtering -UF: Yes  Network  Protocols  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View Up to 6 channels	Video Bit Rate	32 Kbps to 8 Mbps
Region of Interest (ROI) 1 fixed region for main stream  Audio  Audio Compression -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC  -UF: 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)  Audio Sampling Rate -UF: 8 kHz/16 kHz  Environment Noise Filtering -UF: Yes  Network  Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View Up to 6 channels	H.264 Type	Baseline Profile/Main Profile/High Profile
Audio Compression -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC  -UF: 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)  Audio Sampling Rate -UF: 8 kHz/16 kHz  Environment Noise Filtering -UF: Yes  Network  Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnPTM, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View Up to 6 channels	Н.265 Туре	Main Profile
Audio Compression  -UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC  -UF: 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)  Audio Sampling Rate  -UF: 8 kHz/16 kHz  Environment Noise Filtering  -UF: Yes  Network  Protocols  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View  Up to 6 channels	Region of Interest (ROI)	1 fixed region for main stream
-UF: 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)  Audio Sampling Rate -UF: 8 kHz/16 kHz  Environment Noise Filtering -UF: Yes  Network  Protocols  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View  Up to 6 channels	Audio	
Audio Bit Rate  Kbps (MP2L2)/16 to 64 Kbps (AAC)  Audio Sampling Rate  -UF: 8 kHz/16 kHz  Environment Noise Filtering  -UF: Yes  Network  Protocols  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View  Up to 6 channels	Audio Compression	-UF: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC
Kbps (MP2L2)/16 to 64 Kbps (AAC)  Audio Sampling Rate -UF: 8 kHz/16 kHz  Environment Noise Filtering -UF: Yes  Network  Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View Up to 6 channels	Audio Bit Rate	-UF: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160
Environment Noise Filtering  -UF: Yes  Network  Protocols  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View  Up to 6 channels		Kbps (MP2L2)/16 to 64 Kbps (AAC)
Network  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View Up to 6 channels	Audio Sampling Rate	-UF: 8 kHz/16 kHz
TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View  Up to 6 channels	Environment Noise Filtering	-UF: Yes
Protocols  SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View  Up to 6 channels	Network	
SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS  Simultaneous Live View  Up to 6 channels	Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™,
· ·		SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS
API Open Network Video Interface, ISAPI	Simultaneous Live View	Up to 6 channels
	API	Open Network Video Interface, ISAPI



User/Host	Up to 32 users. 3 levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE 10+
	Plug-in free live view: Chrome 57.0+, Firefox 52.0+
	Local service: Chrome 57.0+, Firefox 52.0+
Image	
Image Settings	Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client
image Settings	software or web browser.
Day/Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	Digital WDR
Image Enhancement	BLC, 3D DNR
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	-UF: Built-in memory card slot, support microSD card, up to 256 GB
Built-in Microphone	-UF: Yes
Hardware Reset	-UF: Yes
Event	
Basic Event	Motion detection, video tampering alarm, exception
Links	Upload to FTP/memory card (-UF), notify surveillance center, send email, trigger
Linkage	recording (-UF), trigger capture
General	
Power	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug
	PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W
Camera Material	Front cover: metal, body: plastic, bracket: metal
Camera Dimension	83.7 mm × 80.7 mm × 205.6 mm (3.3" × 3.2" × 8.1")
Package Dimension	260 mm × 125 mm × 125 mm (10.2" × 4.9" × 4.9")
Camera Weight	Approx. 420 g (0.9 lb.)
With Package Weight	Approx. 668 g (1.5 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)
Startup and Operating	20°C to C0°C / 22°C to 140°C \ 110 modition 050/ on loss (non-condensing)
Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)
Web Client Language	English, Ukrainian
General Function	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP
	address filter
Approval	
EMC	FCC-SDoC: 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;
	KC: KN 32: 2015, KN 35: 2015
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



1	CE-RoHS: 2011/65/EU;
Environment	WEEE: 2012/19/EU;
	Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013

#### Available Model

DS-2CD1T27G0-L (4/6 mm) DS-2CD1T27G0-LUF (4/6 mm)

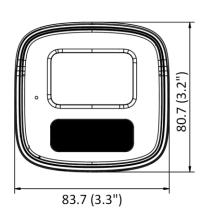
### Typical Application

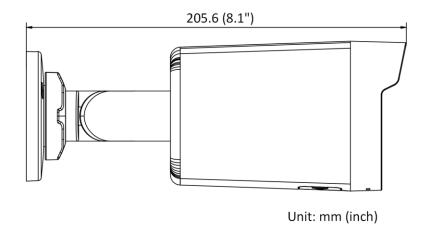
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

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.

### Dimension







- Accessory
- Optional





Distributed by

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