

# DS-2CD3041G2E-LIU **4 MP Fixed Bullet Network Camera**















- High quality imaging with 4 MP resolution
- Support Human and Vehicle Detection
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB WDR technology
- 3D DNR technology delivers clean and sharp images
- Built-in microphone for real-time audio security
- Easy installation with Power over Ethernet (PoE) technology
- Water and dust resistant (IP67)



# Specification

Image Sensor	Camera				
Shutter Time         1/3 s to 1/100,000 s           Min. Illimination         Color: 0.01 Lux @ (F2.0, AGC ON), B/W: 0 Lux with IR           Day & Night         IR cut filter           Angle Adjustment         Pan: 0" to 360", tilt: 0" to 90", rotate: 0" to 360"           Lens         Lens Type           Eens Type         Fixed focal lens, 2.8 and 4 mm optional           Focal Length & FOV         4 mm, horizontal FOV 99.5", vertical FOV 55.5", diagonal FOV 90.8"           Lens Mount         M12           Iris Type         Fixed           Aperture         F2.0           DORI           Jam, D. 59 m, O: 23 m, R: 11 m, I: 5 m           4 mm, D: 79 m, O: 31 m, R: 15 m, I: 7 m           Illuminator           Supplement Light Type         IR, White Light           Supplement Light Range         Up to 30 m           Supplement Light Range         Up to 30 m           IR Wavelength         Yes	Image Sensor	1/2.9" Progressive Scan CMOS			
Min. Illumination         Color: 0.01 Lux @ (F2.0, AGC ON), B/W: 0 Lux with IR           Day & Night         IR cut filter           Angle Adjustment         Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°           Lens         Type         Fixed focal lens, 2.8 and 4 mm optional           Focal Length & FOV         Fixed focal lens, 2.8 and 4 mm optional           Focal Length & FOV         Amm, horizontal FOV 90.5°, vertical FOV \$5.5°, diagonal FOV 116.1°           4 mm, horizontal FOV 76.8°, vertical FOV \$4.5°, diagonal FOV 90.8°           Lens Mount         M12           It is Type         Fixed           Aperture         F2.0           DORI         2.8 mm, D: 59 m, O: 23 m, R: 11 m, I: 5 m           4 mm, D: 79 m, O: 31 m, R: 15 m, I: 7 m         Miniminator           Supplement Light Type         IR, White Light           Supplement Light Range         Up to 30 m           Smart Supplement Light         Yes           IR Wavelength         Yes           Sub Ons         Yes           Main Stream         50 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)           Sub-Stream         50 Hz: 1 fps (640 × 360) 60 Hz: 1 fps (640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) <td>Max. Resolution</td> <td colspan="3">2560 × 1440</td>	Max. Resolution	2560 × 1440			
Day & Night         IR cut filter           Angle Adjustment         Pan: 0" to 360", tilt: 0" to 90", rotate: 0" to 360"           Lens         Fixed focal lens, 2.8 and 4 mm optional           Focal Length & FOV         2.8 mm, horizontal FOV 99.5", vertical FOV 55.5", diagonal FOV 116.1"           4 mm, horizontal FOV 76.8", vertical FOV 41.5", diagonal FOV 90.8"           Lens Mount         M12           It's Type         Fixed           Aperture         F2.0           DORI         2.8 mm, D: 59 m, O: 23 m, R: 11 m, I: 5 m           4 mm, D: 79 m, O: 31 m, R: 15 m, I: 7 m           Illuminator           Supplement Light Type           IR, White Light         Yes           IR Wavelength         Yes           IR Wavelength         Yes           IR Wavelength         So Hz:           20 fps (2560 × 1440),         25 fps (1920 × 1080, 1280 × 720)           60 Hz:         20 fps (2560 × 1440),           30 fps (1920 × 1080, 1280 × 720)         50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 1 fps (640 × 360)           60 Hz: 1 fps (640 × 360)         60 Hz: 1 fps (640 × 360)           60 Hz: 1 fps (640 × 360)         60 Hz: 1 fps (640 × 360)           60 Hz: 1 fps (640 × 3	Shutter Time	1/3 s to 1/100,000 s			
Angle Adjustment         Pan: 0" to 360", tilt: 0" to 90", rotate: 0" to 360"           Lens         Vertical FOV           Focal Length & FOV         2.8 mm, horizontal FOV 99.5", vertical FOV 55.5", diagonal FOV 116.1"           Focal Length & FOV         2.8 mm, horizontal FOV 76.8", vertical FOV 41.5", diagonal FOV 90.8"           Lens Mount         M12           Iris Type         Fixed           Aperture         F2.0           DORI           2.8 mm, D: 59 m, O: 23 m, R: 11 m, I: 5 m           4 mm, D: 79 m, O: 31 m, R: 15 m, I: 7 m           Illuminator           Supplement Light Type         IR, White Light           Supplement Light Range         Up to 30 m           Smart Supplement Light Range         Up to 30 m           Smart Supplement Light Range         50 m           Video         25 fps (1920 × 1080, 1280 × 720)           Ofps (2560 × 1440),         25 fps (1920 × 1080, 1280 × 720)           Ofps (2560 × 1440),         25 fps (1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           OHz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           OHz: 1 fps (640 × 360)           Wideo Compression         Main stream: H.265/H.264/MJPEG,           Third Stream: H.265/H.264/MJPEG	Min. Illumination	Color: 0.01 Lux @ (F2.0, AGC ON), B/W: 0 Lux with IR			
Lens         Lens Type         Fixed focal lens, 2.8 and 4 mm optional           Focal Length & FOV         2.8 mm, horizontal FOV 99.5°, vertical FOV 55.5°, diagonal FOV 116.1°           4 mm, horizontal FOV 76.8°, vertical FOV 41.5°, diagonal FOV 90.8°           Lens Mount         M12           Iris Type         Fixed           Aperture         F2.0           DORI         2.8 mm, D: 59 m, O: 23 m, R: 11 m, I: 5 m           4 mm, D: 79 m, O: 31 m, R: 15 m, I: 7 m           Illuminator         Illuminator           Supplement Light Type         IR, White Light           Supplement Light Range         Up to 30 m           Smart Supplement Light         Yes           IR Wavelength         850 nm           Video         50 Hz:           20 fps (2560 × 1440),         25 fps (1920 × 1080, 1280 × 720)           60 Hz:         20 fps (2560 × 1440),           30 fps (1920 × 1080, 1280 × 720)         60 Hz:           60 Hz:         20 fps (2560 × 1440),           30 fps (1920 × 1080, 1280 × 720)         60 Hz:           60 Hz:         20 fps (2560 × 1440),           30 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 1 fps (640 × 360)           60 Hz: 1 fps (640 × 360)           60 Hz: 1 fps (640 × 360)           <	Day & Night	IR cut filter			
Lens Type         Fixed focal lenss, 2.8 and 4 mm optional           Focal Length & FOV         2.8 mm, horizontal FOV 99.5°, vertical FOV 55.5°, diagonal FOV 116.1° 4 mm, horizontal FOV 99.5°, vertical FOV 41.5°, diagonal FOV 90.8°           Lens Mount         M12           Iris Type         Fixed           Aperture         F2.0           DORI           2.8 mm, D: 59 m, O: 23 m, R: 11 m, I: 5 m           4 mm, D: 79 m, O: 31 m, R: 15 m, I: 7 m           Illuminator           Supplement Light Type         IR, White Light           Supplement Light Range         Up to 30 m           Smart Supplement Light         Yes           IR Wavelength         850 m           Video           50 Hz:           20 fps (2560 × 1440),         20 fps (2560 × 1440),           40 fps (2560 × 1440),         30 fps (1920 × 1080, 1280 × 720)           60 Hz:         20 fps (2560 × 1440),           50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 1 fps (640 × 360)           60 Hz: 1 fps	Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°			
Second Length & FOV	Lens				
Focal Length & FOV         4 mm, horizontal FOV 76.8°, vertical FOV 41.5°, diagonal FOV 90.8°           Lens Mount         M12           Iris Type         Fixed           Aperture         E2.0           DORI           Jon 1000 mg           Jon 2.8 mm, D: 59 m, O: 23 m, R: 11 m, I: 5 m           4 mm, D: 79 m, O: 31 m, R: 15 m, I: 7 m           Illuminator           Supplement Light Type         IR, White Light           Supplement Light Range         Up to 30 m           Supplement Light Range         Up to 30 m           IR Wavelength         Yes           IR Wavelength         Yes           Wavelength         50 Hz:           Vips (2560 × 1440),         25 fps (1920 × 1080, 1280 × 720)           Go Hz:         20 fps (2560 × 1440),         25 fps (1920 × 1080, 1280 × 720)           Sub-Stream         Sub-Stream         Sub-Stream         Sub x; 15ps (640 x 360)         60 Hz:         30 fps (1280 x 720, 640 x 480, 640 x 360)         60 Hz:         30 fps (1280 x 720, 640 x 480, 640 x 360)         60 Hz:         30 fps (1280 x 720, 640 x 480, 640 x 360)         60 Hz:         30 fps (1280 x 720, 640 x 480, 640 x 360)         60 Hz: </td <td>Lens Type</td> <td>Fixed focal lens, 2.8 and 4 mm optional</td>	Lens Type	Fixed focal lens, 2.8 and 4 mm optional			
A mm, horizontal FOV 76.8°, vertical FOV 41.5°, diagonal FOV 90.8°   Lens Mount	Facal Langth & FOV	2.8 mm, horizontal FOV 99.5°, vertical FOV 55.5°, diagonal FOV 116.1°			
Iris Type         Fixed           Aperture         F2.0           DORI           2.8 mm, D: 59 m, O: 23 m, R: 11 m, I: 5 m           4 mm, D: 79 m, D: 31 m, R: 15 m, I: 7 m           Illuminator           Supplement Light Type         IR, White Light           Supplement Light Range         Up to 30 m           Smart Supplement Light         Yes           IR Wavelength         So Hz:           20 fps (2560 × 1440),           40 Hz:           50 Hz:           20 fps (2560 × 1440),           20 fps (2560 × 1440),           20 fps (2560 × 1440),           30 fps (1920 × 1080, 1280 × 720)           60 Hz:         20 fps (2560 × 1440),           30 fps (1920 × 1080, 1280 × 720)           50 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 1 fps (640 × 360)	rocal Length & rov	4 mm, horizontal FOV 76.8°, vertical FOV 41.5°, diagonal FOV 90.8°			
Aperture         F2.0           DORI           DORI         2.8 mm, D: 59 m, O: 23 m, R: 11 m, I: 5 m 4 4 mm, D: 79 m, O: 31 m, R: 15 m, I: 7 m           Illuminator           Supplement Light Type         IR, White Light           Supplement Light Range         Up to 30 m           Smart Supplement Light         Yes           IR Wavelength         850 nm           Video           William Stream           Main Stream         50 Hz: 20 fps (2560 × 1440), 20 fps (2560 × 1600, 1280 × 720) 60 fps (2560 × 1600, 1280 × 720) 60 fps (2560 × 1600, 1280 × 720) 60 fps (2560 × 1600, 1280 × 720), 640 × 480, 640 × 360) 60 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)           Sub-Stream         50 fps: 1 fps (640 × 360)           Third Stream         60 fps: 1 fps (640 × 360)           Main stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG, Third stream: H.265/H.264           Video Bit Rate         32 Kbps to 8 Mbps           H.265 Type         Main Profile           Bit Rate Control         CBR, VBR           Region of Interest (ROI)         1 fixed region for main stream and sub-stream           Aud	Lens Mount	M12			
DORI         2.8 mm, D: 59 m, O: 23 m, R: 11 m, I: 5 m           Illuminator           Supplement Light Type         IR, White Light           Supplement Light Range         Up to 30 m           Smart Supplement Light         Yes           IR Wavelength         Yes           IR Wavelength         Yes           IR Wavelength         Yes           Wavelength         Yes           IR Wavelength         Yes           Wavelength         Yes           IR Wavelength         Yes           Wavelength         Yes           Wavelength         Yes           Wavelength         Yes           Yes         Yes         Yes         Yes         Yes         Yes         Yes         Yes         Yes         Yes         Yes         Yes         Yes         Yes         Yes         Yes         Yes         Y	Iris Type	Fixed			
DORI   2.8 mm, D: 59 m, O: 23 m, R: 11 m, I: 5 m   4 mm, D: 79 m, O: 31 m, R: 15 m, I: 7 m	Aperture	F2.0			
DORI         4 mm, D: 79 m, O: 31 m, R: 15 m, I: 7 m           Illuminator           Supplement Light Type         IR, White Light           Supplement Light Range         Up to 30 m           Smart Supplement Light         Yes           IR Wavelength         50 m           Video           John 20 (2560 × 1440),           20 fps (2560 × 1440),           25 fps (1920 × 1080, 1280 × 720)           60 Hz:         20 fps (2560 × 1440),           30 fps (1920 × 1080, 1280 × 720)         60 Hz:           20 fps (2560 × 1440),         30 fps (1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           Third Stream         50 Hz: 1 fps (640 × 360)           Third Stream         50 Hz: 1 fps (640 × 360)           Wideo Compression         50 Hz: 1 fps (640 × 360)           Video Stream: H.265/H.264/MJPEG,         Third stream: H.265/H.264/MJPEG,           Third stream: H.265/H.264         Sub-stream: H.265/H.264           H.264 Type         Baseline Profile, Main Profile, High Profile           H.265 Type         Main Profile           Bit Rate Control         CBR, VBR           Region of Interest (ROI)         4 fixed region for main stream and sub-stream <tr< td=""><td>DORI</td><td></td></tr<>	DORI				
Name	DODI	2.8 mm, D: 59 m, O: 23 m, R: 11 m, I: 5 m			
Supplement Light Type         IR, White Light           Supplement Light Range         Up to 30 m           Smart Supplement Light         Yes           IR Wavelength         850 nm           Video         50 Hz:           20 fps (2560 × 1440),         25 fps (1920 × 1080, 1280 × 720)           60 Hz:         20 fps (2560 × 1440),           30 fps (1920 × 1080, 1280 × 720)         60 Hz:           20 fps (2560 × 1440),         30 fps (1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 1 fps (640 × 360)           7 birld Stream         Main stream: H.265/H.265/H.264/H.264,           Video Compression         Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264           Video Bit Rate         32 Kbps to 8 Mbps           H.264 Type         Baseline Profile, Main Profile           H.265 Type         Main profile           Bit Rate Control         CBR, VBR           Region of Interest (ROI)         1 fixed region for main stream and sub-stream           Audio         Turked region for main stream and sub-stream	DORI	4 mm, D: 79 m, O: 31 m, R: 15 m, I: 7 m			
Supplement Light Range         Up to 30 m           Smart Supplement Light         Yes           IR Wavelength         850 nm           Video           50 Hz:             20 fps (2560 × 1440),             25 fps (1920 × 1080, 1280 × 720)             60 Hz:             20 fps (2560 × 1440),             30 fps (1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)             60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)             60 Hz: 1 fps (640 × 360)             60 Hz: 1 fps (	Illuminator				
Smart Supplement Light         Yes           IR Wavelength         850 nm           Video           50 Hz:	Supplement Light Type	IR, White Light			
IR Wavelength       850 nm         Video         50 Hz:         20 fps (2560 × 1440),       25 fps (1920 × 1080, 1280 × 720)         60 Hz:       20 fps (2560 × 1440),         30 fps (1920 × 1080, 1280 × 720)       30 fps (1920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)       60 Hz: 1 fps (640 × 360)         Main stream: H.265+H.264+H.264,         Video Compression       Main stream: H.265/H.264/MJPEG,         Third stream: H.265/H.264/MJPEG,         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         Bit Rate Control       CBR, VBR         Region of Interest (ROI)       1 fixed region for main stream and sub-stream         Audio         Audio Type	Supplement Light Range	Up to 30 m			
Video           50 Hz:           20 fps (2560 × 1440),           25 fps (1920 × 1080, 1280 × 720)           60 Hz:           20 fps (2560 × 1440),           30 fps (1920 × 1080, 1280 × 720)           Sub-Stream           50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 1 fps (640 × 360)           Main stream: H.265/H.264/HJ.264,           Video Compression         Sub-stream: H.265/H.264/MJPEG,           Third stream: H.265/H.264/MJPEG,           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           Bit Rate Control         CBR, VBR           Region of Interest (ROI)         1 fixed region for main stream and sub-stream           Audio <td< td=""><td>Smart Supplement Light</td><td>Yes</td></td<>	Smart Supplement Light	Yes			
S0 Hz:   20 fps (2560 × 1440),   25 fps (1920 × 1080, 1280 × 720)   60 Hz:   20 fps (2560 × 1440),   30 fps (1920 × 1080, 1280 × 720)   Sub-Stream	IR Wavelength	850 nm			
Main Stream       20 fps (2560 × 1440),         25 fps (1920 × 1080, 1280 × 720)         60 Hz:       20 fps (2560 × 1440),         30 fps (1920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 1 fps (640 × 360)         60 Hz: 1 fps (640 × 360)         60 Hz: 1 fps (640 × 360)         Main stream: H.265/H.264/H.264,         Video Compression       Sub-stream: H.265/H.264/MJPEG,         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         Bit Rate Control       CBR, VBR         Region of Interest (ROI)       1 fixed region for main stream and sub-stream         Audio         Audio Type	Video				
Main Stream       25 fps (1920 × 1080, 1280 × 720)         60 Hz:       20 fps (2560 × 1440),         30 fps (1920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 1 fps (640 × 360)         Video Compression       Sub-stream: H.265/H.264/MJPEG, 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         Bit Rate Control       CBR, VBR         Region of Interest (ROI)       1 fixed region for main stream and sub-stream         Audio       Audio Type         Mono sound		50 Hz:			
Main Stream       60 Hz:         20 fps (2560 × 1440),       30 fps (1920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)         Fhird Stream       50 Hz: 1 fps (640 × 360)         60 Hz: 1 fps (640 × 360)         60 Hz: 1 fps (640 × 360)         Main stream: H.265/H.264/HJPEG,         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         Bit Rate Control       CBR, VBR         Region of Interest (ROI)       1 fixed region for main stream and sub-stream         Audio       Audio Type         Mono sound		20 fps (2560 × 1440),			
60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)  Sub-Stream  50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)  Third Stream  50 Hz: 1 fps (640 × 360) 60 Hz: 1 fps (640 × 360)  Main stream: H.265/H.264/H.264,  Video Compression  Main stream: H.265/H.264/MJPEG, Third stream: H.265/H.264  Video Bit Rate  32 Kbps to 8 Mbps  H.264 Type  Baseline Profile, Main Profile H.265 Type  Main Profile  Bit Rate Control  CBR, VBR  Region of Interest (ROI)  Audio  Mono sound	Marin Starten	25 fps (1920 × 1080, 1280 × 720)			
30 fps (1920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)         Third Stream       50 Hz: 1 fps (640 × 360)         60 Hz: 1 fps (640 × 360)         Main stream: H.265+/H.265/H.264+/H.264,         Sub-stream: H.265+/H.265/H.264/MJPEG,         Third stream: H.265/H.264         Video Bit Rate       32 Kbps to 8 Mbps         H.264 Type       Baseline Profile, Main Profile         H.265 Type       Main Profile         Bit Rate Control       CBR, VBR         Region of Interest (ROI)       1 fixed region for main stream and sub-stream         Audio Type       Mono sound	Main Stream	60 Hz:			
Sub-Stream  50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)  Third Stream  50 Hz: 1 fps (640 × 360) 60 Hz: 1 fps (640 × 360)  Main stream: H.265+/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, 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 Bit Rate Control CBR, VBR  Region of Interest (ROI) 1 fixed region for main stream and sub-stream  Audio  Audio Type Mono sound		20 fps (2560 × 1440),			
Sub-Stream  60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)  Third Stream  50 Hz: 1 fps (640 × 360)  60 Hz: 1 fps (640 × 360)  Main stream: H.265+H.264+/H.264,  Sub-stream: H.265/H.264/MJPEG, 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  Bit Rate Control  CBR, VBR  Region of Interest (ROI)  1 fixed region for main stream and sub-stream  Audio  Audio Type  Mono sound		30 fps (1920 × 1080, 1280 × 720)			
Third Stream  50 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)  60 Hz: 1 fps (640 × 360)  Main stream: H.265+/H.265/H.264+/H.264,  Video Compression  Sub-stream: H.265/H.264/MJPEG, 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  Bit Rate Control  CBR, VBR  Region of Interest (ROI)  1 fixed region for main stream and sub-stream  Audio  Audio Type  Mono sound	Sub Stroom	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)			
Third Stream 60 Hz: 1 fps (640 × 360)  Main stream: H.265+/H.264+/H.264,  Sub-stream: H.265/H.264/MJPEG, 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  Bit Rate Control CBR, VBR  Region of Interest (ROI) 1 fixed region for main stream and sub-stream  Audio  Audio Type Mono sound	Sub-Stream	60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)			
60 Hz: 1 fps (640 × 360)  Main stream: H.265+/H.264/H.264,  Sub-stream: H.265/H.264/MJPEG,  Third stream: H.265/H.264  Video Bit Rate  32 Kbps to 8 Mbps  H.264 Type  Baseline Profile, Main Profile  H.265 Type  Main Profile  Bit Rate Control  CBR, VBR  Region of Interest (ROI)  Audio  Audio Type  Main Stream: H.265/H.264  Main Profile  Bit Rate Control  CBR, VBR  Audio Type  Mono sound	Third Stroom	50 Hz: 1 fps (640 × 360)			
Video CompressionSub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRRegion of Interest (ROI)1 fixed region for main stream and sub-streamAudioAudio TypeMono sound	inird Stream	60 Hz: 1 fps (640 × 360)			
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  Bit Rate Control CBR, VBR  Region of Interest (ROI) 1 fixed region for main stream and sub-stream  Audio  Audio Type Mono sound	Video Compression	Main stream: H.265+/H.265/H.264+/H.264,			
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 Region of Interest (ROI) 1 fixed region for main stream and sub-stream  Audio Audio Type Mono sound		Sub-stream: H.265/H.264/MJPEG,			
H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream and sub-stream  Audio Audio Type Mono sound		Third stream: H.265/H.264			
H.265 Type Main Profile  Bit Rate Control CBR, VBR  Region of Interest (ROI) 1 fixed region for main stream and sub-stream  Audio  Audio Type Mono sound	Video Bit Rate	32 Kbps to 8 Mbps			
Bit Rate Control CBR, VBR  Region of Interest (ROI) 1 fixed region for main stream and sub-stream  Audio  Audio Type Mono sound	H.264 Type	Baseline Profile, Main Profile, High Profile			
Region of Interest (ROI)  1 fixed region for main stream and sub-stream  Audio  Audio Type  Mono sound	H.265 Type	Main Profile			
Audio Type Mono sound	Bit Rate Control	CBR, VBR			
Audio Type Mono sound	Region of Interest (ROI)	1 fixed region for main stream and sub-stream			
	Audio				
Environment Noise Filtering Vos	Audio Type	Mono sound			
Environment Noise Filtering Yes	Environment Noise Filtering	Yes			



Audio Sampling Rate	8 kHz/16 kHz		
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC		
	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps		
Audio Bit Rate	(MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)		
Network			
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS,		
	security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)		
Simultaneous Live View	Up to 6 channels		
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK		
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTCP, RTSP, NTP, IGMP, IPv4, IPv6, UDP, QoS, FTP, SMTP, HTTPS, DDNS, UPnP, 802.1X		
User/Host	Up to 32 users  3 user levels: administrator, operator, and user		
Client	iVMS-4200, Hik-Connect		
Web Browser	Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+		
Image			
Wide Dynamic Range (WDR)	120 dB		
SNR	≥ 52 dB		
Day/Night Switch	Day, Night, Auto, Schedule		
Image Enhancement	BLC, HLC, 3D DNR		
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser		
Privacy Mask	4 programmable polygon privacy masks		
Interface			
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port		
Event			
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception		
Smart Event	Line crossing detection, intrusion detection		
Linkage	Upload to FTP, send email, notify surveillance center, trigger capture		
General			
Power	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W		
Material	Front cover: metal, body: plastic, bracket: plastic		
Dimension	170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")		
Package Dimension	216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")		
Weight	Approx. 280 g (0.6 lb.)		
With Package Weight	Approx. 481 g (1.1 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, Turkish, Polish, Romanian, Czech, Slovak, Traditional Chinese, Thai, Vietnamese, Croatian, Slovenian, Serbian, Ukrainian	
General Function	Heartbeat, mirror, password reset via email, pixel counter, password protection, anti-banding	
Approval		
EMC	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, IC: ICES-003: Issue 7	
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	
Environment	CE-RoHS: 2011/65/EU	
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.

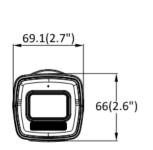
This model has NO SPECIFIC PROTECTION.

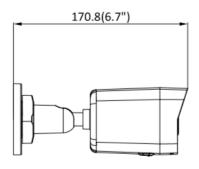
Level	Description	
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.	
Moderate protection	Hikvision products at this level are 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.	

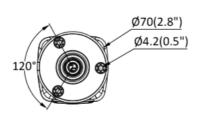
### Available Model

DS-2CD3041G2E-LIU (2.8/4 mm)

### Dimension







Unit: mm (inch)



# Accessory

# Optional

DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1280ZJ-XS
Vertical Pole Mount	Corner Mount	Junction Box

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