

DS-2CD2163G2-IU

6 MP AcuSense Built-in Mic Fixed Dome Network Camera

AcuSense





Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 6 MP resolution
- Clear imaging against strong backlight due to 120 dB true
 WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67) and vandal-resistant (IK10)



Specification

Image Sensor 1/2.4" Progressive Scan CMOS Max. Resolution 3200 × 1800 Max. Resolution 2000 × 1800 Min. Illumination Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR Shutter Time 1/3 s to 1/100,000 s Day & Night IR cut filter Angle Adjustment Par: 0" to 355", till: 0" to 75", rotate: 0" to 355" Lens Fixed Angle Adjustment Par: 0" to 355", till: 0" to 75", vertical FOV 55", diagonal FOV 127", Board Length & FOV 4 mm, horizontal FOV 78", vertical FOV 38", diagonal FOV 127", Lens Mount M12 Liris Type Fixed Aperture F1.6 PORI 2.8 mm: 0: 76 m, 0: 30 m, 8: 15 m, 1: 7 m; Aperture F1.6 DORI 2.8 mm: 0: 76 m, 0: 30 m, 8: 15 m, 1: 7 m; Aperture F1.6 DORI 4 mm: D: 115 m, 0: 45 m, 8: 23 m, 1: 11 m Illuminator Summar Lupit Supplement Light Type IR Supplement Light Sange So nm Wavelength 850 m Supplement Light Yes	Camera					
Min. Illumination Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR Shutter Time 1/3 s to 1/100,000 s Day & Night IR cut filter Angle Adjustment Pan: 0" to 355", tilt: 0" to 75", rotate: 0" to 355" Lens Lens Type Fixed focal length, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 105", vertical FOV 55", diagonal FOV 127"; A mm, brizontal FOV 78", vertical FOV 38", diagonal FOV 96" Lens Mount M12 Liris Type Fixed Aperture F1.6 DORI 2.8 mm: D: 76 m, D: 30 m, R: 15 m, 1: 7 m; a m;	Image Sensor	1/2.4" Progressive Scan CMOS				
Shutter Time 1/3 s to 1/100,000 s Day & Night IR cut filter Angle Adjustment Pan: 0" to 355", tilt: 0" to 75", rotate: 0" to 355" Lens The Angle Adjustment Eens Type Fixed focal length, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 105", vertical FOV 55", diagonal FOV 127"; 4 mm, horizontal FOV 78", vertical FOV 38", diagonal FOV 96" Lens Mount M12 Liris Type Fixed Aperture F1.6 DORI 2.8 mm: D: 76 m, O: 30 m, R: 15 m, I: 7 m; 4 mm: D: 115 m, O: 45 m, R: 23 m, I: 11 m Illuminator Supplement Light Type IR Supplement Light Range Up to 30 m Smart Supplement Light Range Up to 30 m Smart Supplement Light Range 50 Mz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Main Stream 50 Hz: 25 fps (1280 x 720, 668 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 x 720, 640 x 480, 640 × 360) 60 Hz: 30 fps (1280 x 720, 640 x 480, 640 × 360) 60 Hz: 10 fps (1280 x 720, 640 x 480, 640 × 360) Finird Stream is supported under certain settings. Video Compression	Max. Resolution	3200 × 1800				
Dy & Night IR cut filter Angle Adjustment Pan: 0" to 355", tilt: 0" to 75", rotate: 0" to 355" Lens Lens Lens Type Fixed focal length, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 105", vertical FOV 55", diagonal FOV 127"; 4 mm, horizontal FOV 78", vertical FOV 38", diagonal FOV 96" Lens Mount M12 Iris Type Fixed Aperture Fixed Aperture Fixed Aperture Fixed DORI 2.8 mm: Dr. 76 m, O: 30 m, R: 15 m, I: 7 m; 4 mm: D: 115 m, O: 45 m, R: 23 m, I: 11 m Illuminator Supplement Light Type IR Supplement Light Range Up to 30 m Smart Supplement Light Yes IR Wavelength 850 nm Video 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1800, 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: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 7 brind Stream is supported under certain settings. Video Compression Main stream: L265/H.264/H.264+H.264	Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR				
Angle Adjustment Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° Lens Lens Type Fixed focal length, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 105°, vertical FOV 58°, diagonal FOV 96° Lens Mount M12 Liris Type Fixed Aperture F1.6 DORI Jam: D: 76 m, O: 30 m, R: 15 m, I: 7 m; Aperture F1.6 DORI Jam: D: 76 m, O: 30 m, R: 15 m, I: 7 m; Jam: D: 76 m, O: 30 m, R: 15 m, I: 7 m; Jam: D: 76 m, O: 30 m, R: 25 m, I: 11 m Illuminator Supplement Light Type IR Supplement Light Range Up to 30 m Smart Supplement Light Yes IR Supplement Light Range Up to 30 m Smart Supplement Light Light Type IR	Shutter Time	1/3 s to 1/100,000 s				
Lens Fixed focal length, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127°; 4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96° Lens Mount M12 Liris Type Fixed Aperture F1.6 DORI 2.8 mm: D: 76 m, O: 30 m, R: 15 m, I: 7 m; 4 mm: D: 115 m, O: 45 m, R: 23 m, I: 11 m Illuminator Supplement Light Type IR Supplement Light Range Up to 30 m Smart Supplement Light Yes R Wavelength Yes Sup New Yes Main Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Yobesteram 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 x 720, 640 × 480, 640 × 360) Foltz: 30 fps (1280 x 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Fribrid Stream is supported under certain settings. Video Bit Rate 32 Kbps	Day & Night	IR cut filter				
Lens Type Fixed focal length, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127°; 4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 196° Lens Mount M12 Iris Type Fixed Aperture P1.6 DORI 2.8 mm: D: 76 m, O: 30 m, R: 15 m, I: 7 m; 4 mm: D: 115 m, O: 45 m, R: 23 m, I: 11 m Illuminator Supplement Light Type IR Supplement Light Range Up to 30 m Smart Supplement Light Range Up to 30 m IR Wavelength 850 nm Video Video Sup-Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) April 18 min Stream: 18 supported under vertain settings. April 18 min Stream: 18 supported under vertain settings. April 18 min Stream: 14 sets France H.265/H.264/H.264+/H.265+ Sub-stream: 14 sets France H.265/H.264/H.264+/H.265+ April 18 min Stream: 14 sets France H.265/H.264/H.264+/H.265+ <td< td=""><td>Angle Adjustment</td><td colspan="4">Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°</td></td<>	Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°				
Focal Length & FOV 2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127°; 4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96° Lens Mount M12 Iris Type Fixed Aperture F1.6 DORI 2.8 mm: D: 76 m, O: 30 m, R: 15 m, I: 7 m; 4 mm: D: 115 m, O: 45 m, R: 23 m, I: 11 m Illuminator Supplement Light Type IR Supplement Light Range Up to 30 m Smart Supplement Light Yes IR Wavelength 850 nm Video Wideo So Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (1920 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 20 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 20 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) <td>Lens</td> <td></td>	Lens					
Lens Mount M12	Lens Type	Fixed focal length, 2.8 and 4 mm optional				
A mm, horizontal FOV 78", vertical FOV 38", diagonal FOV 96" Lens Mount	Facal Langth 9 FOV	2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127°;				
Iris Type Fixed Aperture F1.6 DORI Jean min. D: 76 m, O: 30 m, R: 15 m, I: 7 m; 4 mm: D: 115 m, O: 45 m, R: 23 m, I: 11 m Illuminator Supplement Light Type IR Supplement Light Range Up to 30 m Smart Supplement Light Range Up to 30 m Smart Supplement Light Range 80 nm Video Video Video Supplement Light Type IR Supplement Light Range Up to 30 m Video Video Video Supplement Light Range Up to 30 m Supplement Light Range Up to 30 m Video Video Video Supplement Light Range Up to 30 m Supplement Light Range Supplement Light Range Up to 30 m Supplement Light Range Supplement Light Range	Focal Length & FOV	4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96°				
Aperture F1.6 DORI DORI 2.8 mm: D: 76 m, O: 30 m, R: 15 m, I: 7 m; 4 mm: D: 115 m, O: 45 m, R: 23 m, I: 11 m Illuminator Supplement Light Type IR Supplement Light Range Up to 30 m Smart Supplement Light Yes IR Wavelength 850 nm Video Wisher Main Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 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: 30 fps (1280 × 720, 640 × 480, 640 × 360) 7 Inird Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 8 OHz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 9 Wideo Compression Main stream: H.265/H.264/H.264+H.265+ Video Bit Rate 32 Kbps to 16 Mbps H.264 Type 8a selline Profile/Main Profile/High Profile H.265 Type Main Profile Bit Rate Control CBR/VBR Scalable Video Coding (SVC) R.264 and H.265 encoding	Lens Mount	M12				
DORI 2.8 mm: D: 76 m, O: 30 m, R: 15 m, I: 7 m; 4 mm: D: 115 m, O: 45 m, R: 23 m, I: 11 m Illuminator Supplement Light Type IR Supplement Light Range Up to 30 m Smart Supplement Light Range Up to 30 m Smart Supplement Light Range 850 mm Video William Supplement Light Range 50 mm Video William Supplement Light Range 850 mm Video Video William Supplement Light Range 850 mm Video William Supplement Light Range 850 mm Video William Supplement Light Range 80 mm Supplement Light Range 80 mm Supplement Light Range 80 mm William Supplement Vigeo Range Ran	Iris Type	Fixed				
DORI 2.8 mm: D: 76 m, O: 30 m, R: 15 m, I: 7 m; 4 mm: D: 115 m, O: 45 m, R: 23 m, I: 11 m	Aperture	F1.6				
Name	DORI					
Illuminator	DODI	2.8 mm: D: 76 m, O: 30 m, R: 15 m, I: 7 m;				
Supplement Light Type IR Supplement Light Range Up to 30 m Smart Supplement Light Yes IR Wavelength 850 nm Video Video Main Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 50 Hz: 30 fps (3280 × 2800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third stream is supported under certain settings. Sub-stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 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 (RO) 1 fixed region for main stream and sub-stream Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate	DORI	4 mm: D: 115 m, O: 45 m, R: 23 m, I: 11 m				
Supplement Light Range Up to 30 m Smart Supplement Light Yes IR Wavelength 850 nm Video Video Main Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 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: 30 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Video Compression Main stream: H.265/H.264/H.264+/H.265+ 50b-stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/H.264+ 50b-stream: H.265/H.264/MJPEG 70b-stream: H.265/H.264 Video Bit Rate 32 Kbps to 16 Mbps 32 Kbps to 16 Mbps H.264 Type Baseline Profile/Main Profile/High Profile 44 Min Profile H.265 Type Main Profile 45 Min Profile Bit Rate Control CBR/VBR 55 Calable Video Coding (SVC) 4264 and H.265 encoding Region of Interest (R0I) 1 fixed region for main stream and sub-stream 4 Min Profile Audio	Illuminator					
Smart Supplement Light Yes IR Wavelength 850 nm Video Video Main Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 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) 7 hird Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 8 hird stream is supported under certain settings. Main stream: H.265/H.264/H.264+H.265+ 9 Sub-stream: H.265/H.264/H.264+H.265+ Sub-stream: H.265/H.264/MJPEG 17 hird stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG 17 hird stream is supported under certain settings. Video Bit Rate 18 Hz264 Type Baseline Profile/Main Profile/High Profile 18 Hz265 Type Main Profile 18 Rate Control CBR/VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream and sub-stream Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC	Supplement Light Type	IR				
IR Wavelength 850 nm Video Main Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 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: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 7 Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 8 Wideo Compression Main stream: H.265/H.264/H.264+H.265+ 9 Video Compression Main stream: H.265/H.264/MJPEG 7 Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 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 and sub-stream Audio Compression G.711ulaw/G.711alaw/G.7121/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw/J.16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Supplement Light Range	Up to 30 m				
Video 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Main Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 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: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 7 Hird Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 8 Main stream: H.265/H.264/H.264+/H.265+ 9 Sub-stream: H.265/H.264/MJPEG 7 Hird stream: H.265/H.264 8 Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps 8 H.264 Type Baseline Profile/Main Profile/High Profile 8 H.265 Type Main Profile 8 Scalable Video Coding (SVC) H.264 and H.265 encoding 8 Region of Interest (ROI) 1 fixed region for main stream and sub-stream Audio 64 Kbps (G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate 64 Kbps (G.721ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (G.726.)/12 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Smart Supplement Light	Yes				
Main Stream 50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 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 and sub-stream Audio G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (G.726.)/12 to 192 Kbps (MP212)/8 to 320 Kbps (MP3)	IR Wavelength	850 nm				
Main Stream 60 Hz: 30 fps (3200 × 1800, 2688 × 1520, 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: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Video Compression Main stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG Third stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 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 and sub-stream Audio G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Video					
Sub-Stream 60 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) From the stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: Baseline H.265/H.264 *Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 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 and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Main Stroom	50 Hz: 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)				
Sub-Stream 60 Hz: 30 fps (1280 x 720, 640 x 480, 640 x 360) 50 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360) 60 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360) *Third Stream is supported under certain settings. Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 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 and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/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)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Main Stream	60 Hz: 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)				
60 Hz: 30 fps (1280 x 720, 640 x 480, 640 x 360) Third Stream 50 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360) 60 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360) *Third stream is supported under certain settings. Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile/Main 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 and sub-stream Audio Audio Compression 6.711ulaw/G.711alaw/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)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Cub Ctroom	50 Hz: 25 fps (1280 x 720, 640 × 480, 640 × 360)				
Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 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 and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Sub-stream	60 Hz: 30 fps (1280 x 720, 640 × 480, 640 × 360)				
*Third stream is supported under certain settings. Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 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 and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/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)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)		50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)				
Main stream: H.265/H.264/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 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 and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate (KP2) (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Third Stream	60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)				
Video CompressionSub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile/Main Profile/High ProfileH.265 TypeMain ProfileBit Rate ControlCBR/VBRScalable Video Coding (SVC)H.264 and H.265 encodingRegion of Interest (ROI)1 fixed region for main stream and sub-streamAudioAudio CompressionG.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LCAudio Bit Rate64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)		*Third stream is supported under certain settings.				
Third stream: H.265/H.264 *Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 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 and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/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)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)		Main stream: H.265/H.264/H.264+/H.265+				
Third stream: H.265/H.264 *Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile/Main 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 and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/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)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Video Compression	Sub-stream: H.265/H.264/MJPEG				
Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile/Main 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 and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	video compression	Third stream: H.265/H.264				
H.264 Type Baseline Profile/Main 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 and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)		*Third stream is supported under certain settings.				
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 and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Video Bit Rate	32 Kbps to 16 Mbps				
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 and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	H.264 Type	Baseline Profile/Main Profile/High Profile				
Scalable Video Coding (SVC) Region of Interest (ROI) 1 fixed region for main stream and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	H.265 Type	Main Profile				
Region of Interest (ROI) 1 fixed region for main stream and sub-stream Audio Audio Compression G.711ulaw/G.711alaw/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)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Bit Rate Control	CBR/VBR				
Audio Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Scalable Video Coding (SVC)	H.264 and H.265 encoding				
Audio Compression G.711ulaw/G.711alaw/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)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Region of Interest (ROI)	1 fixed region for main stream and sub-stream				
Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Audio					
Audio Bit Rate Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC				
Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	Audio Bit Rate					
Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz						
	Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz				



Environment Noise Filtering	Yes				
Network					
	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP,				
Protocols	IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP v2c/v3,				
	WebSocket, WebSockets, SRTP, SFTP				
Simultaneous Live View	Up to 6 channels				
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP				
User/Host	Up to 32 users. 3 user levels: administrator, operator and user				
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.1/1.2/1.3, host authentication (MAC address)				
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)				
Client	iVMS-4200, Hik-Connect, Hik-Central				
	Plug-in required live view: IE 10, IE 11				
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+				
	Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+				
Image					
Image Parameters Switch	Yes				
	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance,				
Image Settings	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				
Interface					
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port				
On-Board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 512 GB				
Built-in Microphone	Yes				
Reset Key	Yes				
Event					
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception				
Smart Event	Line crossing detection, intrusion detection Supports human and vehicle targets classification				
	Face detection				
Linkage	Upload to FTP/memory card/NAS, notify surveillance center, trigger recording, trigger capture, send email				
General					
Power	12 VDC \pm 25%, 0.5 A, max. 6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 7.5 W				
Material	Aluminum alloy body Bubble: plastic				



Dimension	Ø121.4 mm × 92.2 mm (Ø4.8" × 3.7")			
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")			
Weight	Approx. 440 g (1.0 lb.)			
With Package Weight	Approx. 670 g (1.47 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	33 languages 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 Heartbeat, mirror, password reset via email, pixel counter, anti-flick				
Approval				
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)			
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015)			
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)			
Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262: 2002)			

Available Model

DS-2CD2163G2-IU (2.8/4 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.

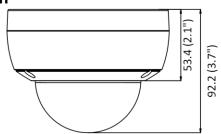
This model has NO SPECIFIC PROTECTION.

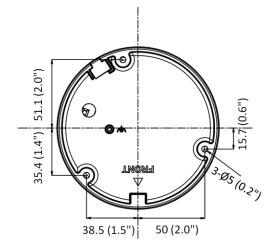
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-
	corrosion protection is a must. Typical application scenarios include coastlines, docks,
	chemical plants, and more.
Moderate protection	Hikvision products at this level are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

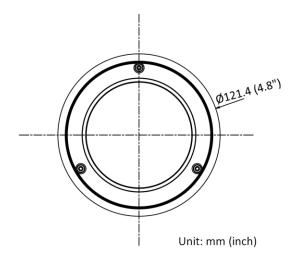


No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-	
	corrosion protection is needed.	

Dimension









Accessory

Optional

Optional				
DS-1272ZJ-120	DS-1280ZJ-DM46	DS-1275ZJ-SUS	DS-1271ZJ-120	DS-1272ZJ-120B
Wall Mount	Junction Box	Vertical Pole Mount	Pendant Mount	Wall Mount
DS-1276ZJ-SUS	DS-1253ZJ-M			
Corner Mount	Rain Shade			

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