

# DS-2CD1A43G0-IZU 4 MP Varifocal Bullet PT Network Camera





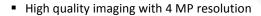












- Pan, tilt and zoom ability that enables the camera to capture larger and interested areas
- Water and dust resistant (IP66)
- EXIR 2.0, advanced infrared technology with long IR distance
- Efficient H.265+ compression technology





## Specification

Image Sensor	Camera		
Min. Illumination	Image Sensor	1/3" Progressive Scan CMOS	
Shutter Time         1/3 s to 1/100, 000 s           Day & Night         IR cut filter           Angle Adjustment         Pan: -100" to 100", tilt: -20" to 45"           Lens         Lens           Lens Type         Varifocal lens, motorized lens, 2.8 to 12 mm           Focal Length & FOV         2.8 to 12 mm, horizontal FOV 96.7" to 29.7", vertical FOV 51.7" to 16.7", diagonal FOV 114.3" to 34"           Lens Mount         Ø14           Iris Type         Fixed           Aperture         Max. F1.6           DORI         Varifocal lens:           DORI         Wide: D: 64 m, D: 25 m, R: 12 m, I: 6 m Tele: D: 200 m, O: 75 m, R: 40 m, I: 20 m           Illuminator         IR           Supplement Light Range         Up to 50 m           Smart supplement Light Range         Up to 50 m           Smart supplement Light         Yes           IR Wavelength         Yes           Main Stream         50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720)           Main Stream         50 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)           Video Compression         Main stream: H.265/H.264/H.264           Video Bit Rate         32 Kbps to 8 Mbps           H.264 Type <td< td=""><td>Max. Resolution</td><td>2560 × 1440</td></td<>	Max. Resolution	2560 × 1440	
Day & Night         IR cut filter           Angle Adjustment         Pan: -100* to 100*, tilt: -20* to 45*           Lens         Varifocal lens, motorized lens, 2.8 to 12 mm           Focal Length & FOV         2.8 to 12 mm, horizontal FOV 96.7* to 29.7*, vertical FOV 51.7* to 16.7*, diagonal FOV 114.3* to 34*           Lens Mount         Ø14           Iris Type         Fixed           Aperture         Max. F1.6           DORI           Varifocal lens:           DORI         Varifocal lens:           DORI         Varifocal lens:           DORI         Varifocal lens:           DORI         Varifocal lens:           DORI         Varifocal lens:           DORI         Varifocal lens:           BORI         Varifocal lens:         Dort           DORI         Varifocal lens:         Dort           DORI         Varifocal lens:         Dort         Dort           DORI         Varifocal lens:         Dort         Dort           DORI         Varifocal lens:         Dort         Dort           DORI         DORI         Dort         Dort <th< td=""><td>Min. Illumination</td><td>Color: 0.007 Lux @ (F1.6, AGC ON), 0 Lux with light</td></th<>	Min. Illumination	Color: 0.007 Lux @ (F1.6, AGC ON), 0 Lux with light	
Angle Adjustment Lens Lens Type Varifocal lens, motorized lens, 2.8 to 12 mm  2.8 to 12 mm, horizontal FOV 96.7° to 29.7°, vertical FOV 51.7° to 16.7°, diagonal FOV 114.3° to 34° Lens Mount Ø14 Liris Type Fixed Aperture Max. F1.6  DORI  Varifocal lens:  DORI  Vide: D: 64 m, O: 25 m, R: 12 m, I: 6 m Tele: D: 200 m, O: 75 m, R: 40 m, I: 20 m  Illuminator  Supplement Light Type IR Supplement Light Range Up to 50 m  Smart Supplement Light Ves IR Wavelength 850 nm  Video  Video  Sub-Stream  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) 60 Hz: 30 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) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)  Video Compression  Video Sit Rate 32 Kbps to 8 Mbps L264 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  Audio Audio Audio Sampling Rate Audio Sampling Rate Audio Sompression G.711ulaw/G.712.1/G.726/MP2L2/PCM/AAC-LC Audio Sampling Rate Audio	Shutter Time	1/3 s to 1/100, 000 s	
Lens         Lens Type         Varifocal lens, motorized lens, 2.8 to 12 mm           Focal Length & FOV         2.8 to 12 mm, horizontal FOV 96.7* to 29.7*, vertical FOV 51.7* to 16.7*, diagonal FOV 114.3* to 34*           Lens Mount         Ø14           Iris Type         Fixed           Aperture         Max. F1.6           DORI         Varifocal lens:           DORI         Wide: D: 64 m, O: 25 m, R: 12 m, I: 6 m           Tele: D: 200 m, O: 75 m, R: 40 m, I: 20 m           Illuminator         IR           Supplement Light Type         IR           Supplement Light Range         Up to 50 m           Smart Supplement Light         Yes           IR Wavelength         850 nm           Video         Video           Video         50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720)           Sub-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)           Video Compression         Main stream: La56+/H.2564, A64+/H.264           Sub-stream: H. 256 fyle. 256/H.264/MIJPEG           Video Bit Rate         32 Kbps to 8 Mbps           H. 265 Type         Main stream: La56+/H.264-H.264+/L.644+/H.264           Sub-stream: H. 256/Fyle. 256/H.264/MIJPEG	Day & Night	IR cut filter	
Lens Type	Angle Adjustment	Pan: -100° to 100°, tilt: -20° to 45°	
Pocal Length & FOV	Lens		
114.3° to 34°   115.3° to 34°   116.3° to 34	Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm	
Fixed	Focal Length & FOV		
Aperture Max. F1.6  DORI  Varifocal lens: Wide: D: 64 m, O: 25 m, R: 12 m, I: 6 m Tele: D: 200 m, O: 75 m, R: 40 m, I: 20 m  Illuminator  Supplement Light Type IR Supplement Light Range Up to 50 m Smart Supplement Light Yes IR Wavelength 850 nm  Video  Main Stream 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: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) Main stream: H.265/H.265/H.264/H.264 Sub-stream: H.265/H.265/H.264/MJPEG  Video Compression Wain stream: H.265/H.265/H.264/MJPEG  Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile/Main Profile/High Profile H.265 Type Main Profile Bit Rate Control CBR/VBR Region of Interest (ROI) 1 fixed region for main stream  Audio Audio Type Mono sound Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz Audio Compression G.711ulaw/G.721.1laaw/G.722.1/G.726/MP2L2/PCM/AAC-LC 64 Kbps (G.721.1ulaw/G.721.1alaw)/16 Kbps (G.722.1)/16 Kbps (G.726.)/32 to	Lens Mount	Ø14	
DORI         Varifocal lens:           DORI         Wide: D: 64 m, O: 25 m, R: 12 m, I: 6 m Tele: D: 200 m, O: 75 m, R: 40 m, I: 20 m           Illuminator           Supplement Light Type         IR           Supplement Light Range         Up to 50 m           Smart Supplement Light         Yes           IR Wavelength         850 nm           Video           Main Stream         50 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)           50 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)           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           Audio         Type           Audio Type         Mono sound           Environment Noise Filtering         Yes           Audio Sampling Rate         8 kHz/16 kHz           Audio Ocmpression	Iris Type	Fixed	
Name	Aperture	Max. F1.6	
DORI   Wide: D: 64 m, O: 25 m, R: 12 m, I: 6 m Tele: D: 200 m, O: 75 m, R: 40 m, I: 20 m	DORI		
Illuminator	DORI	Varifocal lens:	
Supplement Light Type		Wide: D: 64 m, O: 25 m, R: 12 m, I: 6 m	
Supplement Light Type         IR           Supplement Light Range         Up to 50 m           Smart Supplement Light         Yes           IR Wavelength         850 nm           Video         Video           Main Stream         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)           Wideo Compression         Main stream: 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           Audio         Audio Type         Mono sound           Environment Noise Filtering         Yes           Audio Sampling Rate         8 kHz/16 kHz           Audio Compression         G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC           Audio Rit Rate         64 kbps (G.711 ulaw)/64 kbps (G.711 alaw)/16 kbps (G.722.1)/16 kbps (G.726)/32 to		Tele: D: 200 m, O: 75 m, R: 40 m, I: 20 m	
Supplement Light Range         Up to 50 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)           Wideo 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           Audio           Audio Type         Mono sound           Environment Noise Filtering         Yes           Audio Sampling Rate         8 KHz/16 kHz           Audio Compression         G.711 ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC           Audio Bit Rate         64 Kbps (G.7211 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Illuminator		
Smart Supplement Light         Yes           IR Wavelength         850 nm           Video         Video           Main Stream         50 Hz: 20 fps (2560 × 1440), 25 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)           Wideo 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           Audio         Audio Type         Mono sound           Environment Noise Filtering         Yes           Audio Sampling Rate         8 kHz/16 kHz           Audio Compression         G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC           Audio Bit Rate         64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Supplement Light Type	IR	
R Wavelength	Supplement Light Range	Up to 50 m	
Video         50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720)           Main Stream         50 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)           Video Compression         Main stream: H.265/H.264/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           Bit Rate Control         CBR/VBR           Region of Interest (ROI)         1 fixed region for main stream           Audio         Audio Type           Mono sound         Environment Noise Filtering           Audio Sampling Rate         8 kHz/16 kHz           Audio Compression         G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC           Audio Bit Rate         64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Smart Supplement Light	Yes	
So Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720)	IR Wavelength	850 nm	
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)         Video Compression       Main stream: 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         Audio         Audio Type       Mono sound         Environment Noise Filtering       Yes         Audio Sampling Rate       8 kHz/16 kHz         Audio Compression       G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC         Audio Bit Rate       64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Video		
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)  Wideo Compression  Main stream: H.265+/H.265/H.264+/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  Bit Rate Control  CBR/VBR  Region of Interest (ROI)  1 fixed region for main stream  Audio  Audio Type  Mono sound  Environment Noise Filtering  Yes  Audio Sampling Rate  8 kHz/16 kHz  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate  64 Kbps (G.711 ulaw)/64 Kbps (G.712.1)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Main Stream	50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720)	
Sub-Stream 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)  Video Compression Main stream: H.265+/H.264+/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 Bit Rate Control CBR/VBR Region of Interest (ROI) 1 fixed region for main stream  Audio Audio Type Mono sound Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC 64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Iviairi Sti Carri	60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)	
60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)  Video Compression  Main stream: H.265+/H.264/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  Bit Rate Control CBR/VBR  Region of Interest (ROI) 1 fixed region for main stream  Audio  Audio Type Mono sound  Environment Noise Filtering Yes  Audio Sampling Rate 8 kHz/16 kHz  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  64 Kbps (G.7211 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Suh-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)	
Video Compression  Sub-stream: H.265/H.264/MJPEG  Video Bit Rate  32 Kbps to 8 Mbps  H.264 Type  Baseline Profile/Main Profile/High Profile  H.265 Type  Main Profile  Bit Rate Control  CBR/VBR  Region of Interest (ROI)  1 fixed region for main stream  Audio  Audio Type  Mono sound  Environment Noise Filtering  Yes  Audio Sampling Rate  8 kHz/16 kHz  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate  64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Sub-Stream	60 Hz: 30 fps (1280 × 720, 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  Bit Rate Control  CBR/VBR  Region of Interest (ROI)  1 fixed region for main stream  Audio  Audio Type  Mono sound  Environment Noise Filtering  Yes  Audio Sampling Rate  8 kHz/16 kHz  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Video Compression	Main stream: H.265+/H.265/H.264+/H.264	
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  Audio Audio Type Mono sound Environment Noise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate  H.264 Type Baseline Profile/Main Profile  Main Profile		Sub-stream: H.265/H.264/MJPEG	
H.265 Type Main Profile  Bit Rate Control CBR/VBR  Region of Interest (ROI) 1 fixed region for main stream  Audio  Audio Type Mono sound  Environment Noise Filtering Yes  Audio Sampling Rate 8 kHz/16 kHz  Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate 64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Video Bit Rate	32 Kbps to 8 Mbps	
Bit Rate Control  Region of Interest (ROI)  1 fixed region for main stream  Audio  Audio Type  Mono sound  Environment Noise Filtering  Yes  Audio Sampling Rate  8 kHz/16 kHz  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate  64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	H.264 Type		
Region of Interest (ROI)  Audio  Audio Type  Mono sound  Environment Noise Filtering  Audio Sampling Rate  Audio Compression  Audio Compression  Audio Bit Rate  Audio Bit Rate  1 fixed region for main stream  Mono stream  Mono sound  Environment Noise Filtering  Yes  8 kHz/16 kHz  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	H.265 Type	Main Profile	
Audio Type Mono sound  Environment Noise Filtering Yes  Audio Sampling Rate 8 kHz/16 kHz  Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate 64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Bit Rate Control	CBR/VBR	
Audio Type Mono sound  Environment Noise Filtering Yes  Audio Sampling Rate 8 kHz/16 kHz  Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate 64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Region of Interest (ROI)	1 fixed region for main stream	
Environment Noise Filtering  Yes  Audio Sampling Rate  8 kHz/16 kHz  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate  64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Audio		
Audio Sampling Rate  8 kHz/16 kHz  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Audio Type	Mono sound	
Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Environment Noise Filtering	Yes	
64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to	Audio Sampling Rate	·	
Audio Bit Rate	Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC	
	Audio Bit Rate		



Network	
	Password protection, complicated password, HTTPS encryption, 802.1X authentication
Security	(EAP-MD5), watermark, IP address filter, basic and digest authentication for
	HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface,
C: It I' Y''	RTP/RTSP over HTTPS, security audit log, TLS 1.2, 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, DDNS, HTTP, HTTPS, RTP, RTSP, NTP, UPnP, IGMP, IPv6, UDP, QoS, Bonjour, FTP, 802.1x, SMTP
	Up to 32 users
User/Host	3 levels: Administrator, Operator and User
Client	iVMS-4200, Hik-Connect
Client	Plug-in required live view: IE 10, IE 11
Web Browser	Local service: Chrome 57.0+, Firefox 52.0+
Image	Local service. Cilionie 37.0+, Filelox 32.0+
Wide Dynamic Range (WDR)	120 dB WDR
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
image Limancement	Mirror, saturation, brightness, contrast, sharpness, gain, white balance adjustable by
Image Settings	client software or web browser
Privacy Mask	4 regions of privacy mask
Interface	4 regions of privacy mask
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Built-in Microphone	Yes
Reset Key	Yes
Event	
Basic Event	Motion detection, video tampering alarm, exception
	Upload to FTP/memory card, notify surveillance center, send email, trigger recording,
Linkage	trigger capture
General	
	12 VDC ± 25%, 0.91 A, max. 11 W, Ø5.5 mm coaxial power plug, reverse polarity
Power	protection,
	PoE: 802.3af, Class 3, 36 V to 57 V, 0.34 A to 0.21 A, max. 12.5 W
Material	Front cover: metal, body: plastic, bracket: plastic
Dimension	197.1 mm × 105 mm × 225.4 mm (7.8" × 4.1" × 8.9")
Package Dimension	300 mm × 266 mm × 172 mm (11.8" × 10.4" × 6.8")
Weight	Approx. 900 g (2 lb.)
With Package Weight	Approx. 1520 g (3.3 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating	20.00 - 60.00 / 22.05 - 440.05 11 111 050/ 11 111
Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	English, Ukrainian
General Function	Anti-flicker, heartbeat, password protection, password reset via e-mail



Approval	
	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN
	50130-4: 2011 +A1: 2014,
EMC	RCM: AS/NZS CISPR 32: 2015,
	IC: ICES-003: Issue 7,
	KC: KN32: 2015, KN35: 2015, FCC: 47 CFR Part 15, Subpart B
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,
	WEEE: 2012/19/EU,
	Reach: Regulation (EC) No 1907/2006
Protection	IP66: IEC 60529-2013

#### Available Model

DS-2CD1A43G0-IZU (2.8 to 12 mm)

### Typical Application

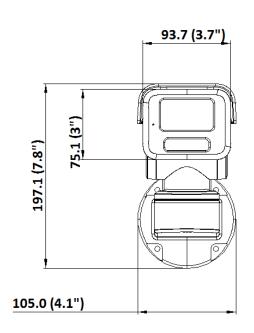
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

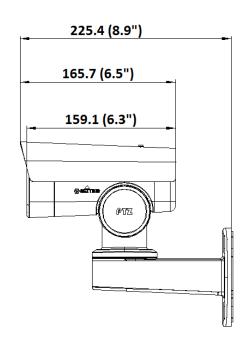
This model has NO SPECIFIC PROTECTION.

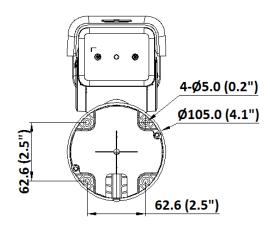
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional
	anti-corrosion protection is a must. Typical application scenarios include coastlines, docks,
	chemical plants, and more.
Moderate protection	Hikvision products at this level are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







Unit: mm (inch)

- Accessory
- Optional





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