

## DS-2XS2T41G1-ID/4G 4 MP Solar-powered Security Camera Setup











- High quality imaging with 4 MP resolution
- Standalone with solar panel and built-in battery
- Support human and vehicle detection
- Provide real-time security via built-in two-way audio
- Water and dust resistant (IP67)
- Support 4G (LTE-TDD/LTE-FDD/TD-SCDMA) communication



## Specification

Image Sensor         1/3* Progressive Scan CMOS           Max. Resolution         2560 × 1440           Min. Illumination         B/W: 0.0 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         Solar panel: tilt: -45* to 45*, rotate-30* to 30*           Lens         Treat focal lens, 4 and 6 mm optional           It'is Type         Fixed focal lens, 4 and 6 mm optional           It'is Type         Fixed focal lens, 4 and 6 mm optional           It'is Type         Fixed           Aperture         4 mm: F1.28, 6mm: F1.6           Aperture         4 mm: 5.7 m to ∞           6 mm: 5.9 m to ∞         6 mm: 5.9 m to ∞           6 mm: 5.9 m to ∞         6 mm: 5.9 m to ∞           6 mm: 5.9 m to ∞         6 mm: 5.9 m to ∞           6 mm, Horizontal FOV: 49*, Vertical FOV: 26*, Diagonal FOV: 57*           Lens Mount         M12           DORI           DORI         4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m           6 mm, D: 128 m, O: 50 m, R: 25 m, I: 12 m           Illuminator           Supplement Light Type           IR Wavelength         850 nm           Sumat Supplement Light         Yes </th <th>Camera</th> <th></th>	Camera	
Min. Illumination  B/W: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR  July 13 s to 1/100,000 s  Day & Night  IR cut filter  Solar panel: tilt: -45° to 45°, rotate:-30° to 30°  Lens Type  Fixed focal lens, 4 and 6 mm optional  Fixis Type  Fixed	Image Sensor	1/3" Progressive Scan CMOS
Shutter Time         1/3 s to 1/100,000 s           Day & Night         IR cut filter           Angle Adjustment         Solar panel: tilt: -45" to 45", rotate: -30" to 30"           Lens         Viver           Lens Type         Fixed focal lens, 4 and 6 mm optional           Iris Type         Fixed           Aperture         4 mm: F1.28, 6 mm: F1.6           Aperture         4 mm: 27 m to ∞           6 mm: 5.9 m to ∞         6 mm: 5.9 m to ∞           Focal Length & FOV         4 mm, Horizontal FOV: 79", Vertical FOV: 26", Diagonal FOV: 93"           6 mm, Horizontal FOV: 49", Vertical FOV: 26", Diagonal FOV: 57"           Lens Mount         M12           ORI           Box III         4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m           6 mm, D: 128 m, O: 50 m, R: 25 m, I: 12 m           Illuminator           Supplement Light Type         IR           Supplement Light Range         Performance mode: up to 30 m, proactive mode: up to 10 m           8 Wavelength         850 mm           Smart Supplement Light         Yes           Video         Video           Main Stream         50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)           60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 1	Max. Resolution	2560 × 1440
Day & Night	Min. Illumination	B/W: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Angle Adjustment     Solar panel: tilit: -45" to 45", rotate:-30" to 30"       Lens Type     Fixed focal lens, 4 and 6 mm optional       lifs Type     Fixed       Aperture     4 mm: F1.28, 6mm: F1.6       Depth of Field     4 mm: 2.7 m to ∞       6 mm: 5.9 m to ∞     6 mm: 5.9 m to ∞       6 mm: 5.9 m to ∞     6 mm: 4 mm, Horizontal FOV: 79", Vertical FOV: 26", Diagonal FOV: 57"       Lens Mount     M12       DORI       4 mm, Horizontal FOV: 49", Vertical FOV: 26", Diagonal FOV: 57"       Lens Mount       MID       A mm, D: 77 m, O: 30 m, R: 15 m, 1: 7 m       6 mm, D: 128 m, O: 50 m, R: 25 m, 1: 12 m       Illuminator       Supplement Light Type     IR       Supplement Light Range     Performance mode: up to 30 m, proactive mode: up to 10 m       R Wavelength     850 nm       Smart Supplement Light     Yes       Video       Main Stream     50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)       Sol Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360)       60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)       60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)       Main stream: H. 265/H. 264/MJPEG,       H. 264 and H. 265 er ma	Shutter Time	1/3 s to 1/100,000 s
Lens Type   Fixed focal lens, 4 and 6 mm optional   Iris Type   Fixed   Fixed   Aperture   Amm: F1.28, 6mm: F1.6   Amm: 2.7 m to ∞   6 mm: 5.9 m to ∞   6 mm: 5.9 m to ∞   6 mm, Horizontal FOV: 79°, Vertical FOV: 43°, Diagonal FOV: 93°   6 mm, Horizontal FOV: 49°, Vertical FOV: 26°, Diagonal FOV: 57°   Amm, D: 77 m, O: 30 m, R: 15 m, 1: 7 m   6 mm, D: 128 m, O: 50 m, R: 25 m, 1: 12 m    Illuminator  Supplement Light Type   IR Supplement Light Type   IR Supplement Light Range   Performance mode: up to 30 m, proactive mode: up to 10 m   IR Wavelength   S50 m   Substream   S0 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)   60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)   60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)   60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)   80 Hz	Day & Night	IR cut filter
Lens Type   Fixed focal lens, 4 and 6 mm optional   Iris Type   Fixed   Aperture   4mm: F1.28, 6mm: F1.6   Aperture   4mm: F1.28, 6mm: F1.6   Aperture   4mm: 2.7 m to ∞   6 mm: 2.9 m to ∞   6 mm: 2.9 m to ∞   Focal Length & FOV   4 mm, Horizontal FOV: 79°, Vertical FOV: 43°, Diagonal FOV: 93°   6 mm, Horizontal FOV: 49°, Vertical FOV: 26°, Diagonal FOV: 57°   Lens Mount   M12   DORI   4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m   6 mm, D: 728 m, O: 50 m, R: 25 m, I: 12 m   Illuminator   Supplement Light Type   IR   Supplement Light Range   Performance mode: up to 30 m, proactive mode: up to 10 m   IR Wavelength   850 mm   Smart Supplement Light   Yes   Video   Main Stream   50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)   60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)   60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)   60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)   60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)   Main stream: H.265 H.264,   Video Compression   Main Profile   H.264 + and H.265 + main stream supports under performance mode   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)   Class (ROI)   Scalable Video Coding (SVC)   H.264 and H.265 encoding   Audio Campression   G.711ulaw/G.711alaw/J.6.715alaw/J.16 kbps (G.722.1/J.6 kbps (G.726)/32 to 192 kbps   Audio Sampling Rate   64 kbps (G.711ulaw/G.711alaw/J.16 kbps (G.722.1/J.16 kbps (G.726)/32 to 192 kbps   Audio Compression   G.711ulaw/G.711alaw/J.6.711alaw/J.16 kbps (G.722.1/J.16 kbps (G.726)/32 to 192 kbps   Audio Compression   G.711ulaw/G.711alaw/J.6.711alaw/J.16 kbps (G.722.1/J.16 kbps (G.726)/32 to 192 kbps   Audio Compression   G.711ulaw/G.711alaw/G.711alaw/J.16 kbps (G.722.1/J.16 kbps (G.726)/32 to 192 kbps   Audio Compression   G.711ulaw/G.711alaw/J.16 kbps (G.722.1/J.16 kbps (G.726)/32 to 192 kbps   Audio Compression   G.711ulaw/G.711alaw/G.711alaw/J.16 kbps (G.722.1/J.16 kbps (G.726)/32 to 192 kb	Angle Adjustment	Solar panel: tilt: -45° to 45°, rotate:-30° to 30°
Iris Type	Lens	
Aperture 4mm: F1.28, 6mm: F1.6  Depth of Field 4mm: 2.7 m to ∞ 6 mm: 5.9 m to ∞ 6 mm: 5.9 m to ∞ 6 mm, Horizontal FOV: 49°, Vertical FOV: 43°, Diagonal FOV: 93° 6 mm, Horizontal FOV: 49°, Vertical FOV: 26°, Diagonal FOV: 57°  Lens Mount M12  DORI  DORI 4mm, D: 77 m, D: 30 m, R: 15 m, I: 7 m 6 mm, D: 128 m, O: 50 m, R: 25 m, I: 12 m  Illuminator  Supplement Light Type IR Supplement Light Range Performance mode: up to 30 m, proactive mode: up to 10 m IR Wavelength 850 nm  Smart Supplement Light Yes  Video  Main Stream 50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)  Wideo Compression Main stream: H.265/H.264/MJPEG, H.264 + and H.265+: main stream supports under performance mode  Video Bit Rate 3z 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 Region of Interest (ROI) 1 fixed region for main stream Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MPL2/PCM/AAC-LC Environment Noise Filtering Yes Audio Compression G.711ulaw/G.711alaw/G.712alaw)/16 Kbps (G.722.1/16 Kbps (G.726)/32 to 192 Kbps	Lens Type	Fixed focal lens, 4 and 6 mm optional
Depth of Field         4 mm: 2.7 m to ∞           6 mm: 5.9 m to ∞         4 mm, Horizontal FOV: 79*, Vertical FOV: 26*, Diagonal FOV: 93*           6 mm, Horizontal FOV: 49*, Vertical FOV: 26*, Diagonal FOV: 57*           Lens Mount         M12           DORI           4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m           6 mm, D: 128 m, O: 50 m, R: 25 m, I: 12 m           Illuminator           Supplement Light Type           IR Wavelength         850 nm           Smart Supplement Light         Yes           Video           Main Stream           50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)           60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)           60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)           Main stream: H.265/H.264/MJPEG,           H.264 and H.265+: main stream supports under performance mode           Video Compression         Sub-stream: H.265/H.264/MJPEG,           H.264 Type         Baseline Profile, Main Profile, High Profile           H.265 Type         Main Profile           Bit Rate Control         C8R, VBR           Region of Interest (ROI)         1 fixed region for m	Iris Type	Fixed
Depth of Field     6 mm: 5.9 m to ∞       Focal Length & FOV     4 mm, Horizontal FOV: 79°, Vertical FOV: 43°, Diagonal FOV: 93° 6 mm, Horizontal FOV: 49°, Vertical FOV: 26°, Diagonal FOV: 57°       Lens Mount     M12       DORI       4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m 6 mm, D: 128 m, O: 50 m, R: 25 m, I: 12 m       Illuminator       Supplement Light Type     IR       Supplement Light Range     Performance mode: up to 30 m, proactive mode: up to 10 m       IR Wavelength     850 nm       Smart Supplement Light     Yes       Video       Video       Main Stream     50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)       60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)       60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)       Main stream: H.265/ H.264,       Video Compression       Main stream: H.265/ H.264/MJPEG,       H.264 + and H.265+: main stream supports under performance mode       Video Sit Rate     32 Kbps to 8 Mbps       H.264 Type       H.264 Type     Main Profile       H.264 Type     Main Profile       H.265 Type     Main Profile       Bit Rate Control     CBR, VBR       Region of Interest (ROI)     1 fixed region	Aperture	4mm: F1.28, 6mm: F1.6
Focal Length & FOV	Double of Field	4 mm: 2.7 m to ∞
Focal Length & FOV	Depth of Field	6 mm: 5.9 m to ∞
Lens Mount   M12	Facel Langth & FOV	4 mm, Horizontal FOV: 79°, Vertical FOV: 43°, Diagonal FOV: 93°
DORI         4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m           Illuminator           Supplement Light Type         IR           Supplement Light Range         Performance mode: up to 30 m, proactive mode: up to 10 m           IR Wavelength         850 nm           Smart Supplement Light         Yes           Video         Video           Main Stream         50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)           60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)         60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)           Sub-Stream         50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360)           Wideo Compression         Main stream: H.265/ H.264,           Video Bit Rate         32 Kbps to 8 Mbps           H.264 rand H.265+: main stream supports under performance mode           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           Scalable Video Coding (SVC)         H.264 and H.265 encoding           Audio         Audio           Audio Sampling Rate         8 kHz/16 kHz           Environment Noise Filtering	Focal Length & FOV	6 mm, Horizontal FOV: 49°, Vertical FOV: 26°, Diagonal FOV: 57°
DORI	Lens Mount	M12
Supplement Light Type	DORI	
Illuminator	DODI	4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m
Supplement Light Type Supplement Light Range Performance mode: up to 30 m, proactive mode: up to 10 m  IR Wavelength 850 nm  Smart Supplement Light Yes  Video  Main Stream  50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)  Wain stream: H.265/ H.264, Video Compression  Video Bit Rate 32 Kbps to 8 Mbps H.264 + and H.265+: main stream supports under performance mode  Video 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 Scalable Video Coding (SVC) H.264 and H.265 encoding  Audio  Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.722.1)/	DORI	6 mm, D: 128 m, O: 50 m, R: 25 m, I: 12 m
Supplement Light Range   Performance mode: up to 30 m, proactive mode: up to 10 m    IR Wavelength   850 nm    Smart Supplement Light   Yes    Video   Sub-Stream   50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)   60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)   60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)   60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)   60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)   Wain stream: H.265/H.264,   Video Compression   Sub-stream: H.265/H.264/MJPEG,   H.264+ and H.265+: main stream supports under performance mode   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   Scalable Video Coding (SVC)   H.264 and H.265 encoding   Audio   Audio Sampling Rate   8 kHz/16 kHz   Environment Noise Filtering   Yes   Audio Compression   G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC   Audio Bit Rate   64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps   Audio Bit Rate   64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps   Audio Bit Rate   Canada	Illuminator	
IR Wavelength       850 nm         Smart Supplement Light       Yes         Video       50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)         Main Stream       50 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)         Main stream: H.265/H.264/         Video Compression       Sub-stream: H.265/H.264/MJPEG,         H.264+ and H.265+: main stream supports under performance mode         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         Scalable Video Coding (SVC)       H.264 and H.265 encoding         Audio       Audio Sampling Rate       8 kHz/16 kHz         Environment Noise Filtering       Yes         Audio Compression       G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC         Audio Bit Rate       64 Kbps (G.7211ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Supplement Light Type	IR
Smart Supplement Light         Yes           Video         Video           Main Stream         50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)           Main stream: H.265/ H.264,           Video Compression         Main stream: H.265/ H.264/MJPEG, H.264+ and H.265+: main stream supports under performance mode           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           Scalable Video Coding (SVC)         H.264 and H.265 encoding           Audio         Audio Sampling Rate         8 kHz/16 kHz           Environment Noise Filtering         Yes           Audio Compression         G.711ulaw/G.711alaw/G.721.1/G.726/MP2L2/PCM/AAC-LC           Audio Bit Rate         64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Supplement Light Range	Performance mode: up to 30 m, proactive mode: up to 10 m
Video           Main Stream         50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)           60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)           Sub-Stream         50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360)           60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)           Main stream: H.265/H.264/MJPEG,           H.264+ and H.265+: main stream supports under performance mode           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           Scalable Video Coding (SVC)         H.264 and H.265 encoding           Audio         Audio Sampling Rate         8 kHz/16 kHz           Environment Noise Filtering         Yes           Audio Rit Rate         64 Kbps (G.711ulaw/G.711alaw)/G.712alaw)/16 kbps (G.722.1)/16 kbps (G.726)/32 to 192 kbps	IR Wavelength	850 nm
Main Stream       50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360)         Sub-Stream       50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360)         Wideo Compression       Main 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         Scalable Video Coding (SVC)       H.264 and H.265 encoding         Audio       Audio Sampling Rate       8 kHz/16 kHz         Environment Noise Filtering       Yes         Audio Compression       G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC         Audio Bit Rate       64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Smart Supplement Light	Yes
Main Stream       60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)         Sub-Stream       50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360)         60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)         Wideo Compression       Main 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         Scalable Video Coding (SVC)       H.264 and H.265 encoding         Audio       Audio Sampling Rate       8 kHz/16 kHz         Environment Noise Filtering       Yes         Audio Compression       G.711ulaw/G.711alaw/G.721.1/G.726/MP2L2/PCM/AAC-LC         Audio Bit Rate       64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Video	
60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)  Sub-Stream  50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360)  60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)  Main stream: H.265/ H.264,  Sub-stream: H.265/H.264/MJPEG,  H.264+ and H.265+: main stream supports under performance mode  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  Scalable Video Coding (SVC)  H.264 and H.265 encoding  Audio  Audio Sampling Rate  8 kHz/16 kHz  Environment Noise Filtering  Yes  Audio Gompression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Main Star and	50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream  60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)  Main stream: H.265/ H.264,  Video Compression  Sub-stream: H.265/H.264/MJPEG, H.264+ and H.265+: main stream supports under performance mode  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  Scalable Video Coding (SVC)  H.264 and H.265 encoding  Audio  Audio  Audio Sampling Rate  8 kHz/16 kHz  Environment Noise Filtering  Yes  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate  64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	iviain Stream	60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)  Main stream: H.265/ H.264, Sub-stream: H.265/H.264/MJPEG, H.264+ and H.265+: main stream supports under performance mode  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  Scalable Video Coding (SVC) H.264 and H.265 encoding  Audio  Audio Sampling Rate 8 kHz/16 kHz  Environment Noise Filtering Yes  Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Sulp Street	50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression  Sub-stream: H.265/H.264/MJPEG, H.264+ and H.265+: main stream supports under performance mode  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  Scalable Video Coding (SVC) H.264 and H.265 encoding  Audio  Audio Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes  Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Sub-Stream	60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)
H.264+ and H.265+: main stream supports under performance mode  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  Scalable Video Coding (SVC) H.264 and H.265 encoding  Audio  Audio Sampling Rate 8 kHz/16 kHz  Environment Noise Filtering Yes  Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps		Main 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  Scalable Video Coding (SVC)  H.264 and H.265 encoding  Audio  Audio Sampling Rate  8 kHz/16 kHz  Environment Noise Filtering  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate  64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Video Compression	Sub-stream: H.265/H.264/MJPEG,
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 Scalable Video Coding (SVC) H.264 and H.265 encoding  Audio Audio Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps		H.264+ and H.265+: main stream supports under performance mode
H.265 Type Main Profile  Bit Rate Control CBR, VBR  Region of Interest (ROI) 1 fixed region for main stream  Scalable Video Coding (SVC) H.264 and H.265 encoding  Audio  Audio Sampling Rate 8 kHz/16 kHz  Environment Noise Filtering Yes  Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Video Bit Rate	32 Kbps to 8 Mbps
Bit Rate Control  Region of Interest (ROI)  1 fixed region for main stream  Scalable Video Coding (SVC)  H.264 and H.265 encoding  Audio  Audio Sampling Rate  8 kHz/16 kHz  Environment Noise Filtering  Yes  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate  64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	H.264 Type	Baseline Profile, Main Profile, High Profile
Region of Interest (ROI)  1 fixed region for main stream  Scalable Video Coding (SVC)  H.264 and H.265 encoding  Audio  Audio Sampling Rate  8 kHz/16 kHz  Environment Noise Filtering  Yes  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate  64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	H.265 Type	Main Profile
Scalable Video Coding (SVC)  Audio  Audio  Audio Sampling Rate  Environment Noise Filtering  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate  64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Bit Rate Control	CBR, VBR
Audio Sampling Rate 8 kHz/16 kHz  Environment Noise Filtering Yes  Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Region of Interest (ROI)	1 fixed region for main stream
Audio Sampling Rate  8 kHz/16 kHz  Environment Noise Filtering  Yes  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Scalable Video Coding (SVC)	H.264 and H.265 encoding
Environment Noise Filtering  Audio Compression  G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  Audio Bit Rate  64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Audio	
Audio Compression G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Audio Sampling Rate	8 kHz/16 kHz
64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	Environment Noise Filtering	Yes
Audio Bit Rate	Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC
(MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)	Audio Rit Pate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps
	המנוט טוג וומנכ	(MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)



Network	
Casuritu	Password protection, complicated password, basic and digest authentication for HTTP,
Security	TLS 1.1/1.2/1.3, WSSE and digest authentication for Open Network Video Interface
Simultaneous Live View	Up to 6 channels
API	ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP
	Up to 32 users
User/Host	3 user levels: administrator, operator, and user
Network Storage	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+,
	Local service: Chrome 57.0+, Firefox 52.0+
Mobile Communication	
SIM Card Type	Micro SIM
Uplink and Downlink Data Rate	Cat 4, uplink: 50 Mbps, downlink: 150 Mbps
	EU:
	LTE-TDD: B38/B40/B41
	LTE-FDD: B1/B3/B5/B7/B8/B20/B28
	WCDMA: B1/B5/B8
Frequency	GSM: B3/B5/B8
	LA:
	LTE-TDD: B38/B40
	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B28/B66
	WCDMA:B1/B2/B3/B4/B5/B8
	GSM: B2/B3/B5/B8
Standard	LTE-TDD, LTE-FDD, WCDMA, GSM
Image	
SNR	≥ 52 dB
Wide Dynamic Range (WDR)	Digital WDR
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client
	software or web browser
Transducer	
Transducer Type	PIR + Radar
Detection Angle	4 mm : Horizontal: 80°, vertical: 42°, 6 mm : Horizontal: 50°, vertical: 22°
Detection Range	Up to 12 m
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in eMMC storage, up to 8 GB,
	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB,
	For eMMC storage, 5 GB is available for recording.
Built-in Microphone	Yes
Built-in Speaker	Yes



Reset Key	Yes
Event	
Basic Event	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Linkage	Upload to NAS/memory card, notify surveillance center, trigger recording, trigger capture, audible warning
General	
Power	Power Consumption and Current: Typical power scenarios: 1.85 W (4G working) Standby scenarios: 80 mW Max. power consumption: 7 W Power Supply: 12 VDC *For debugging only 6.5 W (deviation: ± 1 W) Solar panels Power Interface: Power supply interface: Ø5.5 mm coaxial power plug Extened solar panel: Ø5.5 mm coaxial power plug
Material	Plastic
Storage Conditions	0 °C to 50 °C (32 °F to 122 °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, flash log
Startup and Operating Conditions	0 °C to 50 °C (32 °F to 122 °F). Humidity 95% or less (non-condensing)
Dimension	213.7 mm × 292.4 mm × 188.7 mm (8.4" × 11.5" × 7.3")
Package Dimension	345 mm × 240 mm × 292 mm (13.6" × 9.4" × 11.5")
Weight	Approx. 1.42 kg (3.1 lb.)
With Package Weight	Approx. 2.07 kg (4.6 lb.)
Battery	
Battery Type	Ternary Lithium
Max. Charging Voltage	12.6 V
Capacity	51.46 Wh
Operating Temperature	Charging: 0 °C to 45 °C (32 °F to 113 °F) Discharging: -20 °C to 50 °C (-4 °F to 122 °F)
Battery Voltage	8.1 V to 12.6 V
Cycle Lifetime	Proactive mode: 1.5 days, Standby mode: 11 days
Battery Life	More than 800 cycles
Battery Weight	Approx. 185 g (0.4 lb.)
Approval	
RF	CE-RED: EN 301489-1 V2.1.1 (BT or 2.4G), EN 301489-17 V3.1.1 (BT or 2.4G), EN 300328 V2.1.1 (BT or 2.4G), EN 62311: 2008 (BT or 2.4G) *CE certification is only for the device sold in the European region.



EMC	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN
	50130-4: 2011 +A1: 2014,
	RCM: AS/NZS CISPR 32: 2015,
	*CE and RCM certifications are only for the device sold in the European region.
Safety	CB: IEC 62368-1: 2014+A11,
	CE-LVD: EN 62368-1: 2014/A11: 2017,
	LOA: IEC/EN 60950-1,
	*CE and LOA certifications are only for the device sold in the European region.
Environment	CE-RoHS: 2011/65/EU,
	WEEE: 2012/19/EU,
	Reach: Regulation (EC) No 1907/2006,
	*CE certification is only for the device sold in the European region.
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-2XS2T41G1-ID/4G/C05S07 (4/6 mm)