DS-2XS2T47G1-LDH/4G
4 MP ColorVu Solar-powered Security Camera Setup

ColorVu

HD | IP67 | H.265+

Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses, high performance sensors and friendly lighting. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- High quality imaging with 4 MP resolution
- Standalone with solar panel and built-in battery
- 24/7 colorful imaging
- Support Human Detection
- Efficient H.265+ compression technology
- Provide real-time security via built-in two-way audio
- Water and dust resistant (IP67)
- Stability against category 12 typhoon
- Support 4G (LTE-TDD/LTE-FDD/TD-SCDMA) communication

▪ Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
Max. Resolution	2560 × 1440
Shutter Time	1/3 s to 1/100,000 s
Day & Night	24/7 color imaging
Angle Adjustment	Solar panel: pan: 0° to 358°, tilt: -40° to 0°; camera: pan: 0° to 360°, tilt: -60° to 0°
Lens	
Lens Type	Fixed focal lens, 4 and 6 mm optional
Iris Type	Fixed
Aperture	F1.0
Depth of Field	4 mm: 2.7 m to ∞
	6 mm: 5.9 m to ∞
Focal Length & FOV	4 mm, Horizontal FOV: 75°, Vertical FOV: 40°, Diagonal FOV: 89°
	6 mm, Horizontal FOV: 49°, Vertical FOV: 27°, Diagonal FOV: 57°
Lens Mount	M12
DORI	
DORI	4 mm, D: 82 m, O: 32 m, R: 16 m, I: 8 m
	6 mm, D: 120 m, O: 47 m, R: 24 m, I: 12 m
Illuminator	
Supplement Light Type	White Light
Supplement Light Range	Performance mode: up to 30 m, proactive mode: up to 10 m
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)
Sub-Stream	50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360)
	60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression	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
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region(s) for main stream
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.711 ulaw/G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32~160 Kbps (MP2L2)/16~64 Kbps (AAC-LC)

Network	
Security	Password protection, complicated password, basic and digest authentication for HTTP, TLS 1.1/1.2/1.3, WSSE and digest authentication for Open Network Video Interface
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK
Protocols	TCP/IP, ICMP, HTTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Network Storage	Auto Network Replenishment (ANR)
Client	iVMS-4200,Hik-Connect,Hik-Central
Web Browser	Plug-in required live view: IE 10+, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Local service: Chrome 57.0+, Firefox 52.0+
Mobile Communication	
Uplink and Downlink Data Rate	Cat 4, uplink: 50 Mbps, downlink: 150 Mbps
SIM Card Type	Micro SIM
Frequency	EU: LTE-TDD: B38/B40/B41 LTE-FDD: B1/B3/B5/B7/B8/B20/B28 WCDMA: B1/B5/B8 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 US: LTE-FDD: B2/B4/B5/B12/B13/B17/B66/B71 WCDMA: B2/B4/B5
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
Interface	
On-Board Storage	Built-in eMMC storage, up to 64 GB, Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB, For eMMC storage, 50 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, audible warning, trigger recording, trigger capture
General	
Power	Power Consumption and Current: Typical power scenarios: 1.85 W (4G working) Standby scenarios: 40 mW Max. power consumption: 6 W Power Supply: 12 VDC ± 25% *For debugging only 40 W (deviation: ± 2 W) Solar panels Power Interface: Power supply interface: Ø5.5 mm coaxial power plug Extened solar panel: four-core aviation connector
Material	ADC12
Storage Conditions	-20 °C to 50 °C (-4 °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	-20 °C to 50 °C (-4 °F to 122 °F). Humidity 95% or less (non-condensing)
Dimension	679 mm × 443 mm × 760 mm (26.7" × 17.4" × 29.9")
Package Dimension	910 mm × 350 mm × 450 mm (35.8" × 13.8" × 17.7")
Weight	Approx. 11.570 kg (25.5 lb.)
With Package Weight	Approx. 16.21 kg (35.7 lb.)
Battery	
Battery Type	Ternary Lithium
Capacity	8.4 Ah × 2 packs
Max. Charging Voltage	12.6 V
Operating Temperature	Charging: -20°C to 45 °C (-4 °F to 113 °F) Discharging: -20 °C to 55 °C (-4 °F to 131 °F)
Battery Voltage	9 V to 12.6 V
Cycle Lifetime	Performance mode: 3.6 days, Proactive mode: 6 days, Standby mode: 30 days
Battery Life	More than 500 cycles
Battery Weight	Approx. 1400 g (3.1 lb.)

Approval	
RF	FCC ID: FCC Part 15.247 (BT or 2.4G), IC ID (RSS-247(BT or 2.4G)), 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) *FCC certification is only for the device sold in the North American region and the Latin American region. IC certification is only for the device sold in the North American region. CE certification is only for the device sold in the European region.
EMC	FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, *FCC certification is only for the device sold in the North American region and the Latin American region. IC certification is only for the device sold in the North American region. 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.
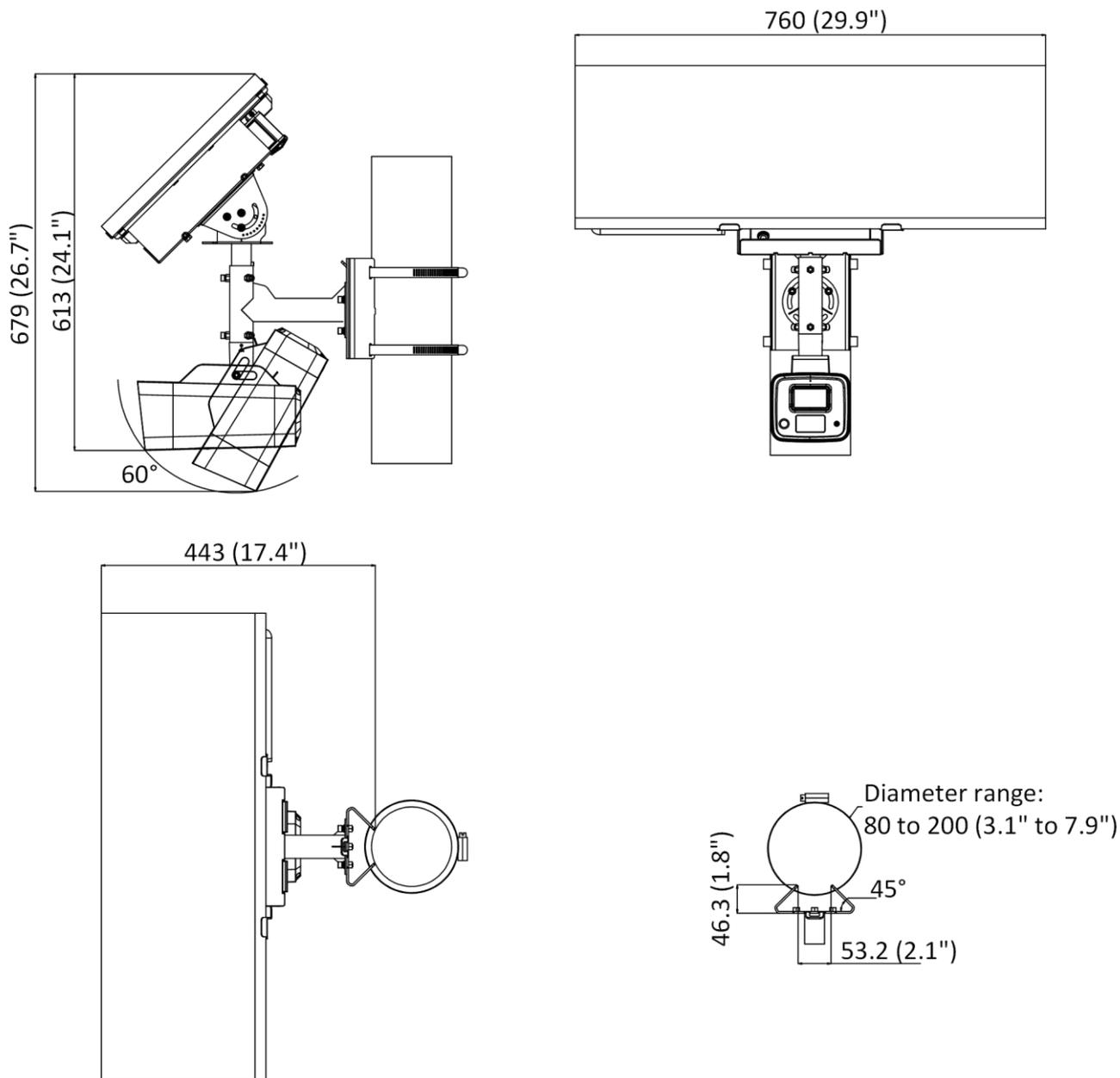
This model has NO SPECIFIC PROTECTION.

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-2XS2T47G1-LDH/4G/C18S40 (4/6 mm)

▪ Dimension

760 (29.9")

679 (26.7")

613 (24.1")

60°

443 (17.4")

Diameter range:
80 to 200 (3.1" to 7.9")

46.3 (1.8")

45°

53.2 (2.1")

Camera
Direction

Unit: mm (inch)

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