

## DS-2CD2T87G2P-LSU/SL 8 MP Panoramic Fixed Bullet Network Camera



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 8 MP resolution
- One image that presents all the scenes covered by the camera
- 24/7 colorful imaging
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 130 dB WDR technology
- Focus on human and vehicle classification based on deep learning
- Active strobe light and audio alarm to warn intruders off
- Water and dust resistant (IP67)



## ▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	5120x1440
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light
Shutter Time	1/3 s to 1/100,000 s
Day & Night	NA
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 4 mm optional
Focal Length & FOV	4 mm, horizontal FOV 180° ± 10°, vertical FOV 44°
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
Depth of Field	3.6 m to ∞
DORI	
DORI	4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m
Illuminator	
Supplement Light Type	White Light
Supplement Light Range	Up to 40 m
Smart Supplement Light	Yes
Video	
Main Stream	WDR: 50 Hz: 12.5 fps (5120x1440) 60 Hz: 15 fps (5120x1440) DWDR: 50 Hz: 20 fps (5120x1440) 60 Hz: 20 fps (5120x1440)
Sub-Stream	WDR: 50 Hz: 12.5 fps (1920× 536, 960 × 272) 60 Hz: 15 fps (1920× 536, 960 × 272) DWDR: 50 Hz: 20 fps (1920× 536, 960 × 272) 60 Hz: 20 fps (1920× 536, 960 × 272)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Baseline Profile/Main Profile/High Profile
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for each stream
Audio	
Audio Type	Mono sound

Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/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 192Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC_LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	Yes
<b>Network</b>	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP
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 1.2, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR), CVR, NVR Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+
<b>Image</b>	
Image Parameters Switch	Yes
Image Settings	saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	130 dB
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
<b>Interface</b>	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC/TF card, up to 256 GB
Built-in Microphone	Yes, support 1 built-in MIC
Built-in Speaker	1 W, 10 cm: 96 dB
Audio	1 input (line in), max. input amplitude: 3.3 Vpp, input impedance:4.7 KΩ, interface type: non-equilibrium 1 output (line out), max.output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm	1 input, 1 output (max. 24 VDC, 1A)
Reset Key	Yes

Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), exception , alarm input and output (-S)
Smart Event	scene change detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture, audible warning, white light flashing
Deep Learning Function	
Perimeter Protection	Line crossing detection, intrusion detection , region entrance detection, region exiting detection (support alarm triggering by specified target types (human and vehicle))
General	
Power	12 VDC $\pm$ 25%, reverse polarity protection, 0.79 A, max. 9.5 W, $\varnothing$ 5.5 mm coaxial power plug or x-core terminal block PoE: 802.3af, Class3, 36 V to 57 V, 0.29 A to 0.18 A, max. 10.5 W
Material	Metal
Dimension	105 mm $\times$ 105 mm $\times$ 305.4 mm (4.1" $\times$ 4.1" $\times$ 12")
Package Dimension	405 mm $\times$ 190 mm $\times$ 180 mm (16.0" $\times$ 7.5" $\times$ 7.1")
Weight	Approx. 1420 g ( 3.1 lb.)
With Package Weight	Approx. 2228 g ( 4.9 lb.)
Storage Conditions	-30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ 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	Anti-flicker, heartbeat, password reset via email, password protection, one-key reset
Flashing Light	Yes
Approval	
EMC	FCC SDoC (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 VoC (ICES-003: Issue 6, 2016);
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67: IEC 60529-2013

### ▪ Available Model

DS-2CD2T87G2P-LSU/SL (4 mm)

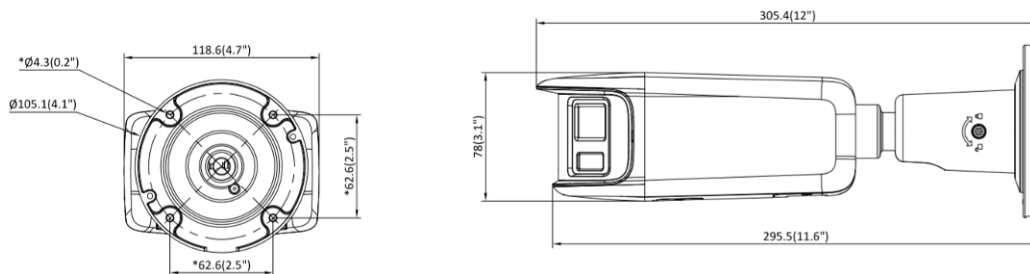
▪ **Typical Application**

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**



Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

DS-1275ZJ-SUS Vertical Pole Mount	DS-1260ZJ-AC#SA Junction box	DS-1260ZJ Junction box	DS-1275ZJ-S-SUS Vertical pole mount	DS-1280ZJ-S Junction box
				
<b>DS-1276ZJ-SUS Corner Mount</b>				
				

DRAFT

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