

DS-2CD2T87G2-L 8 MP ColorVu 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. In zero-light scenarios, built-in, warm supplemental lighting works to guarantee colorful images.

- High quality imaging with 8 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 130 dB WDR technology
- Focusing on human and vehicle classification based on deep learning
- 24/7 colorful imaging





Specification

Min. Illumination 0.0005 Shutter Speed 1/3 s to Slow Shutter Yes P/N P/N Wide Dynamic Range 130 dB Angle Adjustment Pan: 0° Lens Depth of Focus 4 mm: 6 mm: 12.8 mm Lens Type & FOV 4 mm,	Progressive Scan CMOS Lux @ (F1.0, AGC ON), 0 Lux with Light o 1/100,000 s 'to 360°, tilt: 0° to 90°, rotate: 0° to 360° n: 4.5 m to ∞ 7 m to ∞ 13 m to ∞ n, horizontal FOV102°, vertical FOV 52°, diagonal FOV 124° horizontal FOV 88°, vertical FOV 49°, diagonal FOV 102° horizontal FOV 54°, vertical FOV 30°, diagonal FOV 62°	
Shutter Speed 1/3 s to Slow Shutter Yes P/N P/N Wide Dynamic Range 130 dB Angle Adjustment Pan: 0° Lens 2.8 mm Depth of Focus 4 mm: 6 mm: Lens Type & FOV 4 mm, 6 mm,	o 1/100,000 s To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 360°, tilt: 0° to 90°, rotate: 0° to 360° To 4.5 m to ∞ To	
Slow Shutter P/N P/N Wide Dynamic Range 130 dB Angle Adjustment Pan: 0° Lens 2.8 mm 6 mm: 2.8 mm 4 mm; 6 mm, 6 mm,	or to 360°, tilt: 0° to 90°, rotate: 0° to 360° n: 4.5 m to ∞ 7 m to ∞ 13 m to ∞ n, horizontal FOV102°, vertical FOV 52°, diagonal FOV 124° horizontal FOV 88°, vertical FOV 49°, diagonal FOV 102°	
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6 mm,	-	
·	horizontal FOV 54°, vertical FOV 30°, diagonal FOV 62°	
Aperture F1.0		
DORI		
2.8 mn	n, D: 96 m, O: 38 m, R: 19 m, I: 9 m	
DORI 4 mm,	D: 111 m, O: 44 m, R: 22 m, I: 11 m	
6 mm,	D: 167 m, O: 66 m, R: 33 m, I: 16m	
Illuminator		
White Light Range 60 m		
Smart Supplement Light Yes	Yes	
Video		
Max. Resolution 3840 ×	2160	
50Hz: 2	20 fps (3840 × 2160, 3072 × 1728)	
2	25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	
Main Stream 60Hz: 2	20 fps (3840 × 2160, 3072 × 1728)	
5	30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)	
50Hz: 2	25 fps (640 × 480, 640 × 360, 320 × 240)	
Sub Stream 60Hz: 3	30 fps (640 × 480, 640 × 360, 320 × 240)	
Third Character	25 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)	
Third Stream 60Hz: 3	30 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)	
Main s	tream: H.265/H.264/H.264+/H.265+	
Video Compression Sub-str	ream: H.265/H.264/MJPEG	
Third s	tream: H.265/H.264	
Video Bit Rate 32Kbps	s to 16Mbps	
H.264 Type Baselin	ne Profile/Main Profile/High Profile	
H.265 Type Main P	Profile	
H.264+ Main S	tream supports	
H.265+ Main S	tream supports	
Bit Rate Control CBR/VE	BR	
Scalable Video Coding (SVC) Yes		



Region of Interest (ROI) Network	1 fixed region for main stream and sub-stream		
Simultaneous Live View	Up to 6 channels		
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK		
Duatacala	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		
User/Host	Up to 32 users. 3 user levels: administrator, operator and user		
	Password protection, complicated password, HTTPS encryption, IP address filter,		
Security	Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE		
	and digest authentication for Open Network Video Interface		
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto		
Network Storage	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+		
Image			
Day/Night Switch	Day, Night, Auto, Schedule		
Image Enhancement	BLC, HLC, 3D DNR		
Image Parameters Switch	Yes		
Image Settings	Rotate, mirror, privacy masks, saturation, brightness, contrast, sharpness, gain, white		
age dettinige	balance adjustable by client software or web browser		
Interface			
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB		
Hardware Reset	Yes		
Communication Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port		
Event			
Basic Event	Motion detection (human and vehicle), video tampering alarm, exception (network		
	disconnected, IP address conflict, illegal login, HDD full, HDD error)		
Smart Event	Scene change detection		
Deep Learning Function			
Face Capture	Yes		
Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection		
General			
Linkaga Mathad	Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger		
Linkage Method	capture,send email		
	33 languages		
	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak,		
Web Client Language	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 e-mail, pixel counter		
Software Reset	Yes		
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)		
Power Supply	12 VDC ± 25%, reverse polarity protection PoE: 802.3af, Class 3		
Power Consumption and	12 VDC, 0.7 A, max. 8.5 W		
Current	PoE (802.3af, 36 V to 57 V), 0.27 A to 0.17 A, max. 9.5 W		
Power Interface	Ø5.5 mm coaxial power plug		
Material	Front cover: metal, back cover: metal		
Camera Dimension	Ø105 × 289.5 mm (Ø4.1" × 11.4")		
Package Dimension	385 × 190 × 180 mm (15.2" × 7.5" × 7.1")		
Camera Weight	Approx. 1260 g (2.8 lb.)		
With Package Weight	Approx. 1931 g (4.3 lb.)		
Approval			
Class	Class B		
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-2CD2T87G2-L (2.8/4/6 mm)

Typical Application

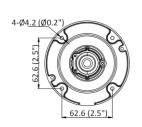
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

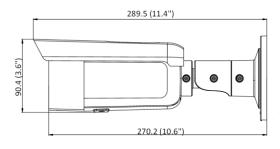
This model has NO SPECIFIC PROTECTION.

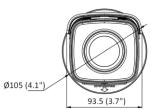
Level	Description	
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion	
	protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and	
	more.	
Moderate protection	Hikvision products at this level 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-1280ZJ-S Junction Box	DS-1275ZJ-S-SUS Vertical Pole Mount	DS-1260ZJ Junction Box
	B	





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