DS-2CD2T85G1-I5/I8
4K Powered-by-DarkFighter Fixed Bullet Network Camera





- High quality imaging with 8 MP resolution
- Excellent low-light performance via powered-by-DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Water and dust resistant (IP67)
- Robust structure design with full metal materials.

▪ Specification

Camera	
Image Sensor	1/2" Progressive Scan CMOS
Min. Illumination	Color: 0.008 Lux @ (F1.2, AGC ON), 0.014 Lux @ (F1.6, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Wide Dynamic Range	120dB
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Focus	Fixed
Focal Length & FOV	2.8/4/6 mm, horizontal FOV: 110.7°, vertical FOV: 59.1°, diagonal FOV: 131° 4 mm, horizontal FOV: 87.1°, vertical FOV: 47.4°, diagonal FOV: 101.8° 6 mm, horizontal FOV: 50.8°, vertical FOV: 27.6°, diagonal FOV: 60°
Aperture	F1.6
Lens Mount	M12
Illuminator	
IR Range	-I5: Up to 50 m, -I8: Up to 80 m
Wavelength	850 nm
Video	
Max. Resolution	3840 × 2160
Main Stream	50Hz: 20 fps (3840 × 2160), 25 fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720), 60Hz: 20 fps (3840 × 2160), 30 fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240), 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288), 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Video Compression	Main stream: H.265/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main stream supports
H.265+	Main stream supports
Region of Interest (ROI)	Support 1 fixed region for main stream and sub-stream separately
Network	
Simultaneous Live View	Up to 6 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets
User/Host	Up to 32 users, 3 levels: Administrator, Operator and User
Network Storage	Support micro SD/SDHC/SDXC card (128G) local storage, NAS (NFS, SMB/CIFS), ANR
Client	iVMS-4200, Hik-Connect, Hik-Central

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+
Alarm Trigger	Motion detection, tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Image	
Day/Night Switch	Day/Night/Auto/Schedule
DNR	3D DNR
Image Enhancement	BLC/3D DNR/HLC
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
Interface	
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
Hardware Reset	Yes
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Event	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection, intrusion detection, unattended baggage, object removal, face detection, scene change detection
Face Detection	Yes
Exception Detection	Scene change detection
General	
Linkage Method	Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, alarm output , Email
Firmware Version	V5.5.80
Web Client Language	32 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)
General Function	Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening
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%, 5.5 mm coaxial power plug, PoE (802.3af, class 3)
Power Consumption and Current	-I5:, 12 VDC, 0.7 A, max: 9 W, PoE: (802.3af, 36 VDC to 57 VDC), 0.3 A to 0.1 A, max: 11 W, -I8:, 12 VDC, 1 A, max: 11 W, PoE: (802.3af, 36 VDC to 57 VDC), 0.4 A to 0.1 A, max: 12.9 W
Camera Dimension	Camera: Φ105 × 289.5 mm (4.1" × 11.4")
Camera Weight	Camera: 1000 g (2.2 lb.), With package: 1500 g (3.3 lb.)
Approval	
Protection	IP67

▪ Available Model

DS-2CD2T85G1-I5(2.8mm)

DS-2CD2T85G1-I5(4mm)

DS-2CD2T85G1-I5(6mm)

DS-2CD2T85G1-I8(2.8mm)

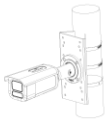
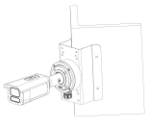
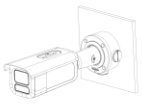
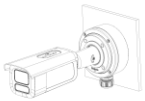
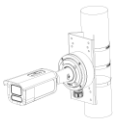
DS-2CD2T85G1-I8(4mm)

DS-2CD2T85G1-I8(6mm)

DS-2CD2T85G1-I5(4mm)(Black)

▪ Accessory

▪ Optional

DS-1275ZJ-SUS Vertical pole mount	DS-1276ZJ-SUS Corner mount	DS-1260ZJ Junction box	DS-1280ZJ-S Junction box	DS-1275ZJ-S-SUS Vertical pole mount
				
				

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