

## DS-2CD2783G1-IZSB



- High quality imaging with 8 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- -S: audio and alarm interface available
- Water and dust resistant (IP67) and vandal proof (IK10)
- Motorized varifocal lens for easy installation and monitoring
- Robust structure design with full metal materials



## ▪ Specification

Selection Parameter	
Min. Illumination	0.018 Lux
Local Storage	128 GB
Protection Level	IP67
Wi-Fi Support	No
Case Type	Dome
Resolution	6MP
Lens Type	Varifocal Lens
Video Compression	H.265+,H.265,H.264+,H.264
Camera	
Image Sensor	1/2.5" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
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 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Focus	Auto
Lens Type	2.8 to 12 mm, Motorized
FOV	Horizontal field of view: 105° to 34.5°,Vertical field of view: 55° to 19°,Diagonal field of view: 125° to 40°
Aperture	F1.6
Lens Mount	Φ14
Aperture Type	Fixed
Illuminator	
IR Range	Up to 30 m
Wavelength	850nm
Video	
Max. Resolution	3840 × 2160
Main Stream	50Hz: 12.5 fps (3840 × 2160), 20fps (3072 × 1728), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720),60Hz: 15 fps (3840 × 2160), 20fps (3072 × 1728), 30 fps (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
Scalable Video Coding (SVC)	H.264 and H.265 encoding support
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8kHz/16kHz/32kHz/44.1kHz/48kHz
Audio Compression	G722.1/G.711/G726/MP2L2/PCM/MP3
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3)
<b>Network</b>	
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
User/Host	Up to 32 users ,3 levels: Administrator, Operator and User
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2
Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and 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, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error
<b>Wi-Fi</b>	
Encryption Mode	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2
<b>Image</b>	
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In (-S)
Target Cropping	No
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
<b>Interface</b>	
Audio	1 input (line in), 1 output (line out), mono sound, terminal block
Alarm	1 input;1 output (max. 12 VDC, 30 mA), terminal block
Video Output	1Vp-p composite output (75 Ω) (For adjustment only)
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
<b>Event</b>	
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, face detection
Face Detection	Yes
<b>General</b>	
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	5.6.3
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%, Φ 5.5 mm coaxial power plug,PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.8A, max. 10W,PoE (802.3af, 36V to 57V), 0.4A to 0.2A, max. 12W
Camera Material	Metal
Camera Dimension	Camera: Φ 153.3 × 111.6mm (Φ 6" × 4.4")
Camera Weight	Camera: Approx. 835g (1.8 lb.),With Package: Approx. 1305g (2.9 lb.)
<b>Approval</b>	
Protection	IK10, IP67

### ▪ Available Model

DS-2CD2783G1-IZSB(2.8-12mm)(US Branch),

- Accessory
- Optional

PC155B	CB155B	WMLB
		

Distributed by

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