

DS-2CD2783G1-IZS(B)

8 MP Outdoor IR Varifocal Dome Camera



- 1/2.5" (8 MP) Progressive Scan CMOS
- 3840 x 2160 Resolution @ 15 fps
- Up to 100 ft (30 m) EXIR 2.0 IR Range
- 2.8 mm to 12 mm Motorized Varifocal Lens
- H.265+, H.265, H.264+, H.264
- 120 dB True WDR
- MicroSD Card Slot Supports 128 GB
- IP67, IK10 Protection
- Durable Metal Housing
- 12 VDC and PoE (802.3af)

The Hikvision DS-2CD2783G1-IZS(B) Outdoor IR Varifocal Dome Camera provides high definition network output. It supports H.265+ video compression, which assures savings in bandwidth and storage.

The camera is equipped with a 2.8 mm to 12 mm motorized varifocal lens and offers an EXIR 2.0 IR range of up to 100 ft (30 m).

Smart features such as line crossing and intrusion detection are supported.

Available models:

DS-2CD2783G1-IZS: Hikvision white

DS-2CD2783G1-IZS(B): Black



Specifications

DS-2CD278361-IZS(B)

Camera

Image Sensor	1/2.5" progressive scan CMOS
Minimum Illumination	Color: 0.018 lux @ (f/1.6, AGC on), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day/Night	IR cut filter
Digital Noise Reduction	3D DNR
WDR	120 dB
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°

Lens

Focal Length	2.8 mm to 12 mm motorized varifocal lens
Aperture	f/1.6
Focus	Auto
FOV	Horizontal FOV: 105° to 34.5°, vertical FOV: 55° to 19°, diagonal FOV: 125° to 40°
Lens Mount	Ø14

IR

IR Range	Up to 100 ft (30 m)
Wavelength	850 nm

Compression Standard

Video Compression	Main stream: H.265+/H.265/H.264+/H.264, sub-stream: H.265+/H.265/H.264+/H.264/MJPEG Third stream: H.265+/H.265/H.264+/H.264
H.264 Type	Main profile/high profile
H.264+	Main stream support
H.265 Type	Main profile
H.265+	Main stream support
Video Bit Rate	256 Kbps to 16 Mbps

Smart Features

Behavior Analysis	Line crossing detection, intrusion detection
Exception Detection	Yes
Region of Interest	One fixed region for main stream and sub-stream

Image

Maximum Resolution	3840 × 2160
Main Stream	15 fps (3840 × 2160), 20 fps (3072 × 1728), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	30 fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR
Image Setting	Saturation, brightness, contrast, sharpness and white balance adjustable by client software or Web browser
Target Cropping	No
Day/Night Switching	Day/night/auto/schedule/triggered by alarm in

Network

Network Storage	MicroSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS/SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1x, QoS, IPv6, UDP, Bonjour
General Function	One-key reset, anti-flicker, 5 streams and up to 5 custom streams, heartbeat, password protection, privacy mask, watermark, and IP address filtering
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users. 3 user levels: administrator, operator, and user
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+

Interface

Audio	1 input (line in), 1 output (line out), mono sound, terminal block
Communication Interface	1-port RJ-45 10M/100M self-adaptive Ethernet port
Alarm	1 input, 1 output (up to 12 VDC, 30 mA), terminal block
Video Output	1 Vp-p composite output (75 Ω/BNC)
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
SVC	H.264 and H.265 encoding
Reset Button	Yes

Audio

Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64 kbps (G.711)/16 kbps (G.722.1)/16 kbps (G.726)/32 to 192 kbps (MP2L2)

General

Operating Conditions	-22° to 140° F (-30° to 60° C); humidity 95% or less (non-condensing)
Power Supply	12 VDC ±25%, Ø5.5 mm coaxial power plug, PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.8 A, maximum 10 W; PoE (802.3af, 36 V to 57 V), 0.4 A to 0.2 A, maximum 12 W
Protection Level	IP67, IK10
Material	Metal
Dimensions	Ø6.0" x 4.4" (Ø153.3 mm x 111.6 mm)
Weight	2.90 lbs (1.33 kg)

Accessories (not included)

					
WML Wall Mount Long	CPM Ceiling Pendant Mount	PC155 155 mm Pendant Cap	CB155 Junction Box	PM1 Pole Mount	CM1 Corner Mount
					
WMLB Wall Mount Short	WMSB Wall Mount Short	PC155B Pendant Cap	CB155B Junction Box		

Dimensions

