

DS-2CD2785G0-IZS

8 MP Outdoor IR Varifocal Dome Camera

Powered by
DarkFighter™



- **1/2" (8 MP) Progressive Scan CMOS**
- **Up to 3840 x 2160 Resolution @ 20 fps**
- **Minimum Illumination:**
Color: 0.014 lux @ (f/1.4, AGC on),
0 lux with IR
- **Darkfighter Technology**
- **Up to 100 ft (30 m) EXIR 2.0 Range**
- **2.8 to 12 mm Motorized Varifocal Lens**
- **H.265+, H.265, H.264+, H.264**
- **120dB True WDR**
- **MicroSD Card Slot Supports 128 GB**
- **IP67, IK10 Protection**
- **12 VDC and PoE (802.3af)**

The Hikvision DS-2CD2785G0-IZS 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 to 12 mm motorized varifocal lens, and offers an EXIR 2.0 range of up to 100 ft (30 m).

Smart features, such as line crossing, intrusion, unattended luggage, and scene change detection are supported.

Available models:
DS-2CD2785G0-IZS



Specifications

DS-2CD278560-IZS

Camera

Image Sensor	1/2" Progressive Scan CMOS
Minimum Illumination	Color: 0.014 lux @ (f/1.4, 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	120dB
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°

Lens

Focal Length	2.8 to 12 mm motorized varifocal lens
Aperture	f/1.4
Focus	Auto
FOV	Horizontal FOV: 112° to 46°, vertical FOV: 60° to 26°, diagonal FOV: 133° to 53°
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/MJPEG6, third stream: H.265+/H.265/H.264+/H.264
H.264 Type	Main profile/high profile
H.264+	Main stream supported
H.265 Type	Main profile
H.265+	Main stream supported
Video Bit Rate	32 Kbps to 16 Mbps
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]

Smart Features

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

Image

Maximum Resolution	3840 × 2160
Main Stream	20 fps [3840 × 2160], 30 fps [3072 × 1728, 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	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
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	IE 8+, Chrome 31.0 to 44, Firefox 30.0 to 51, Safari 8.0+

Interface

Audio	1 input (line in/microphone in, 3.5 mm), 1 output (line out, 3.5 mm), mono sound
Communication Interface	1-port RJ45 10M/100M self-adaptive Ethernet port
Alarm	1 input, 1 output (up to 12 VDC, 30 mA)
Video Output	1 Vp-p Composite Output(75Ω/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

General

Operating Conditions	-22° F to 140° F (-30° C to 60° C); humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.9 A, maximum 10.5 W; PoE (802.3af, 36 V to 57 V), 0.4 A to 0.2 A, maximum 12.5 W
Protection Level	IP67, IK10
Material	Front cover: metal, bottom base: metal, bubble: plastic
Dimensions	Ø 6.0" x 5.2" (Ø 153.4 mm x 133.1 mm)
Weight	3.30 lbs (1.50 kg)

Accessories

				
WML + PC155 Wall Mount Long + 155 mm Pendant Cap	CPM + PC155 Ceiling Pendant Mount + 155 mm Pendant Cap	PM1 Pole Mount	CM1 Corner Mount	RCM-5 Recessed Ceiling Mount

Dimensions

