

## 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 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**
- **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 mm 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.

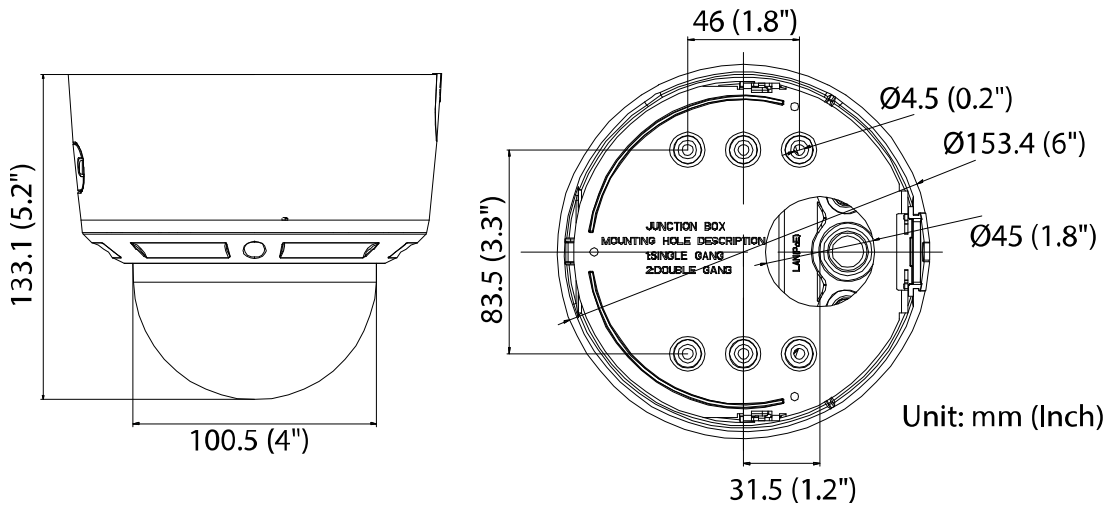
**Available models:**  
DS-2CD2785G0-IZS









# Specifications

DS-2CD278560-IZS	
<b>Camera</b>	
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	120 dB
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
<b>Lens</b>	
Focal Length	2.8 mm to 12 mm motorized varifocal lens
Aperture	f/1.4
Focus	Auto
F0V	Horizontal F0V: 112° to 46°, vertical F0V: 60° to 26°, diagonal F0V: 133° to 53°
Lens Mount	Ø14
<b>IR</b>	
IR Range	Up to 100 ft (30 m)
Wavelength	850 nm
<b>Compression Standard</b>	
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 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)
<b>Smart Features</b>	
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
<b>Image</b>	
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
<b>Network</b>	
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+
<b>Interface</b>	
Audio	1 input (line in, 3.5 mm), 1 output (line out, 3.5 mm), mono sound
Communication Interface	1-port RJ-45 10M/100M self-adaptive Ethernet port
Alarm	1 input, 1 output (up to 12 VDC, 30 mA)
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
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
<b>General</b>	
Operating Conditions	-22° to 140° F [-30° 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	Ø6.0" x 5.2" (Ø153.4 mm x 133.1 mm)
Weight	3.30 lbs (1.50 kg)

## Dimensions



## Accessories

NOT INCLUDED					
					
<b>WML</b> Wall Mount Long	<b>CPM</b> Ceiling Pendant Mount	<b>PC155</b> 155 mm Pendant Cap	<b>PM</b> Pole Mount	<b>CM</b> Corner Mount	<b>RCM-5</b> Recessed Ceiling Mount
<b>Requires PC155</b>		<b>Requires WML or CPM</b>			