

## DS-2CD2523G0-IWS

### 2 MP EXIR Fixed Lens Wireless Network Compact Dome Camera



The Hikvision DS-2CD2523G0-IWS 2 MP EXIR Fixed Lens Wireless Network Compact 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 or 4 mm lens and offers an EXIR 2.0 range of up to 35 ft (10 m).

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

- 1/2.7" Progressive Scan CMOS
- 1920 x 1080 Resolution @ 30 fps
- 2.8 mm or 4 mm Fixed Lens
- EXIR 2.0 Range Up to 35 ft (10 m)
- H.265+, H.265, H.264+, H.264
- 120 dB WDR
- MicroSD Card Slot Supports 128 GB
- IP66, IK08 Protection
- 12 VDC and PoE (802.3af)

#### Available models:

DS-2CD2523G0-IWS

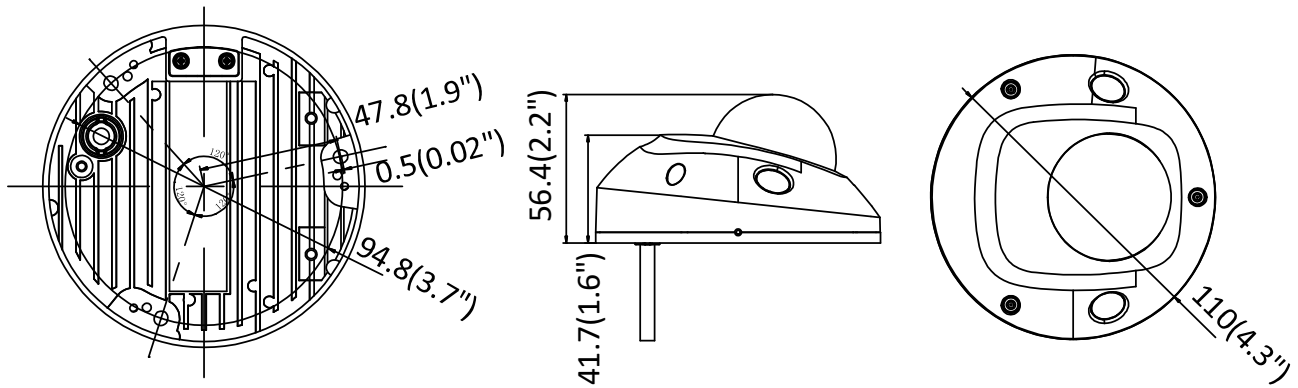


# Specifications








DS-2CD252360-IWS	
<b>Camera</b>	
Image Sensor	1/2.7" progressive scan CMOS
Minimum Illumination	Color: 0.028 lux @ (f/2.0, AGC on), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day/Night	IR cut filter
Digital Noise Reduction	3D DNR
WDR	120 dB
Angle Adjustment	Pan: -30° to 30°, tilt: 0° to 75°, rotate: 0° to 360°
<b>Lens</b>	
Focal Length	2.8 mm or 4 mm lens
Aperture	f/2.0
Focus	Manual
FOV	2.8 mm: Horizontal field of view: 114°, vertical field of view: 62°, diagonal field of view: 135° 4 mm: Horizontal field of view: 86°, vertical field of view: 46°, diagonal field of view: 102°
Lens Mount	M12
<b>IR</b>	
IR Range	Up to 35 ft (10 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	G722.1/G711ulaw/G711alaw/G726/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	Yes
Region of Interest	One fixed region for main stream and sub-stream
<b>Image</b>	
Maximum Resolution	1920 x 1080
Main Stream	30 fps (1920 x 1080, 1280 x 960, 1280 x 720)
Sub Stream	30 fps (640 x 480, 640 x 360, 320 x 240)
Third Stream	30 fps (1920 x 1080, 1280 x 720, 640 x 360, 352 x 240)
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or Web browser
Image Enhancement	BLC/3D DNR/HLC
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, network disconnected, IP address conflict, HDD full, HDD error, PIR, illegal login
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, QoS, IPv6
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, iVMS-4500
Web Browser	Plug-in required live view: IE 8+, 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+
<b>Interface</b>	
Audio	2 inputs: line in or microphone in (built-in microphone), 1 output: line out, mono sound, terminal block
Alarm	1 input: alarm in, 1 output: alarm out (maximum 12 VDC, 30 mA), terminal block
Communication Interface	1-port RJ-45 10M/100M self-adaptive Ethernet port
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
SVC	H.264 and H.265 encoding
Reset Button	Yes
<b>Wi-Fi</b>	
Wireless Standards	IEEE 802.11b/g/n
Frequency Range	2.412 GHz to 2.4835 GHz
Channel Bandwidth	20 M/40 M
Protocols	802.11b: DQPSK, DBPSK, CCK, 802.11g/n: OFDM /64-QAM,16-QAM, QPSK, BPSK
Security	WPA, WPA2
Transfer Rates	11b: 11 Mbps, 11g: 54 Mbps, 11n: up to 150 Mbps
Wireless Range <sup>1</sup>	165 ft (50 m)
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	16 kHz/32 kHz/44.1 kHz/48 kHz
<b>General</b>	
Operating Conditions	-22° to 140° F (-30° to 60° C); humidity of 95% or less (non-condensing)
Power Supply	12 VDC ±25%, PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.7 A, maximum 8.5 W, Ø5.5 mm coaxial plug power, PoE (802.3af, 36 V to 57 V), 0.3 A to 0.1 A, maximum 10 W
Protection Level	IK08, IP66
Material	Front cover: plastic, bottom base: metal
Dimensions	Ø4.3" x 2.2" (Ø110 mm x 56.4 mm)
Weight	0.90 lbs (400 g)

<sup>1</sup>Wireless connection distances vary depending on the RF environment and line of sight, as well as the building materials at the installation site.

## Dimensions



## Accessories (Not Included)

						
<b>WMS</b> Wall Mount w/Junction Box	<b>PC120</b> Pendant Cap	<b>CPM</b> Ceiling Pendant Mount	<b>CM</b> Corner Mount	<b>PM</b> Pole Mount	<b>GP120</b> Gang Plate	<b>CBD-MINI</b> Conduit Base

## Box Contents (Subject to Change without Notice)

12 V Power Supply  
 Bracket Ring  
 Quick Start Guide x 2  
 Screws  
 Watertight Cable Connector