



Hikvision DS-2CD2143G0-I WDR Network Camera Specifications and Datasheet

[Home](#) » [Hikvision](#) » Hikvision DS-2CD2143G0-I WDR Network Camera Specifications and Datasheet 

Contents

- [1 Hikvision DS-2CD2143G0-I WDR Network Camera](#)
- [2 Introduction](#)
- [3 Key Features](#)
- [4 Specifications](#)
- [5 Dimension](#)
- [6 Accessory](#)
- [7 Customers' Support](#)
- [8 FAQs](#)

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Hikvision DS-2CD2143G0-I WDR Network Camera



Introduction

The Hikvision DS-2CD2143G0-I Outdoor IR Fixed Dome Camera provides high definition network output. It supports H.265+ video compression technology, which assures savings in bandwidth and storage.

The camera has an EXIR 2.0 range of up to 100 feet (30 meters). The 2.8 mm and 4 mm lens options are optimized for viewing angles that fit any situation.

Key Features

- 1/3" Progressive Scan CMOS
- 2688 × 1520 @30fps
- 2.8/4/6/8 mm fixed lens
- Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
- H.265+, H.265, H.264+, H.264
- Three streams
- 120dB WDR
- 2 Behavior analyses, and face detection
- BLC/3D DNR/ROI/HLC
- IP67, IK10
- Built-in micro SD/SDHC/SDXC card slot, up to 128 GB
- 3-Axis adjustment

Specifications

Camera	
Image Sensor	1/3" 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
Auto-Iris	No
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120dB
3-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Focal length	2.8/4/6/8 mm
Aperture	F1.6
Focus	Fixed
FOV	2.8 mm, horizontal FOV: 105.8°, vertical FOV: 58°, diagonal FOV: 123° 4 mm, horizontal FOV: 83°, vertical FOV: 45°, diagonal FOV: 99° 6 mm, horizontal FOV: 51°, vertical FOV: 29°, diagonal FOV: 58° 8 mm, horizontal FOV: 39°, vertical FOV: 22°, diagonal FOV: 45°
Lens Mount	M12
IR	
IR Range	Up to 30 m
Wavelength	850nm
Compression Standard	
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Type	Main Profile/High Profile
H.264+	Main stream supports
H.265 Type	Main Profile
H.265+	Main stream supports
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression (-S)	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Smart Feature-set	
Behavior Analysis	Line crossing detection, intrusion detection
Face Detection	Yes

Region of Interest	1 fixed region for main stream and sub-stream
Image	
Max. Resolution	2688 × 1520
Main Stream	50Hz:25fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080) 60Hz: 30fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080)
Sub-Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)

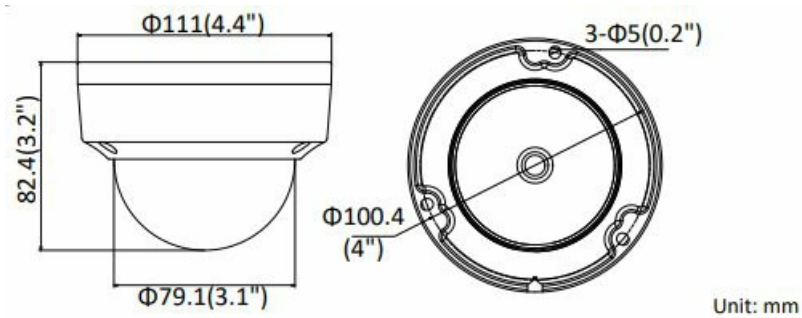
Third Stream	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR/HLC
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness and white balance adjust able by client software or web browser
Target Cropping	No
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In (-S)
Network	
Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
General Function	One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Firmware Version	V5.5.80
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	iVMS-4200, Hik-Connect, iVMS-5200, iVMS-4500
Web Browser	Plug-in required live view: IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+

Interface	
Audio (-S)	1 input (line in/mic in), 1 output (line out), terminal block, mono sound
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Alarm (-S)	1 input, 1 output (max. 12 VDC, 30 mA), terminal block
Video Output	No
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
SVC	H.264 and H.265 encoding
Reset Button	Yes
Audio (-S)	
Environment Noise Filtering	Yes
Audio Sampling Rate	8kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
General	
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)
Power Supply	12 VDC $\pm$ 25%, Φ 5.5 mm coaxial power plug PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.5 A, max. 6 W PoE (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, max. 7.5 W
Protection Level	IP67, IK10
Material	Camera body: metal, bubble: plastic
Ingress Protection	IP67
Dimensions	Camera: Φ 111 $\times$ 82.4 mm (Φ 4.4" $\times$ 3.2") Package: 134 $\times$ 134 $\times$ 108 mm (5.3" $\times$ 5.3" $\times$ 4.3")
Weight	Camera: Approx. 610 g (1.3 lb.) With Package: Approx. 820 g (1.8 lb.)

Available Model:

DS-2CD2143G0-I (2.8/4/6/8 mm), DS-2CD2143G0-IS (2.8/4/6/8 mm)

Dimension



Accessory



Customers' Support

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FAQs

What is the resolution of this camera?

The camera offers 4MP 2K UltraHD resolution with a high-tech 1/3" Progressive Scan sensor. It delivers a resolution of 2688 x 1520 at 30fps.

What compression technologies are supported?

The camera supports multiple video compression technologies including H.265+, H.265, H.264+, and H.264. The modern H.265+ compression saves bandwidth and storage space.

Is this camera suitable for outdoor use?

Yes, it is designed with an IP67 weatherproof housing that protects against heavy rainfall, frost, and high temperatures, making it suitable for outdoor installations.

How can I view the camera feed?

The camera supports various web browsers like Internet Explorer, Firefox, and Google Chrome. It also offers mobile viewing through Hik-Connect, IVMS-4500, and many more apps on both Android and iOS.

What is Video Contents Analysis (VCA)?

VCA is a built-in analytic algorithm by Hikvision that offers multiple features such as Behavior Analyses, Face Detection, Line Crossing Detection, Intrusion Detection, Motion Detection, and Video Tampering Alarm. The camera will notify you via email or phone notifications for certain events.

What kind of warranty is provided?

The product comes with a 2-year seller warranty and lifetime technical support via phone and email if purchased through Netview.

Is this product genuine?

Yes, if purchased through Netview, this is the genuine international English upgradable version from an authorized Hikvision distributor. Please note that Hikvision USA does not provide service for international version products.

What are the power requirements?

The camera supports 12 VDC $\pm$ 25% and is also PoE (Power over Ethernet) 802.3af compatible, with a maximum power consumption of 7.5 W.

What is the range of the EXIR Night Vision?

The Enhanced EXIR Night Vision has a range of up to 98 feet (approximately 30 meters).

What is the minimum illumination required for the camera?

The minimum illumination for the camera is 0.018 Lux @ (f/1.6, AGC on).

Are batteries needed for this camera?

The camera requires 1 Lithium Ion battery, which you'll need to purchase separately.

What are the dimensions and weight of the camera?

The camera measures 5.35 x 5.31 x 4.37 inches and weighs 1.34 pounds.

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