

DS-2CD2143G0-IB



- High quality imaging with 4 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Water and dust resistant (IP67) and vandal proof (IK10)
- Robust structure design with full metal materials



▪ Specification

Selection Parameter	
Min. Illumination	0.018 Lux
Local Storage	128 GB
Protection Level	IP67
Wi-Fi Support	No
Case Type	Dome
Resolution	4MP
Lens Type	Fixed Lens
Video Compression	H.265+,H.265,H.264+,H.264
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
Wide Dynamic Range	120dB
Day & Night	IR Cut Filter
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Focus	Fixed
Lens Type	2.8/4 mm
FOV	2.8 mm, horizontal FOV: 103°, vertical FOV: 58°, diagonal FOV: 123°, 4 mm, horizontal FOV: 83°, vertical FOV: 45°, diagonal FOV: 99°
Aperture	F1.6
Lens Mount	M12
Aperture Type	Fixed
Illuminator	
IR Range	Up to 30 m
Wavelength	850nm
Video	
Max. Resolution	2688 × 1520
Main Stream	50Hz:25fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720)
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)
Video Compression	Main stream: H.265/H.264,Sub-stream: H.265/H.264/MJPEG,Third stream: H.265/H.264
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main stream supports

H.265+	Main stream supports
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	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)
Network	
Simultaneous Live View	Up to 6 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
User/Host	Up to 32 users,3 levels: Administrator, Operator and User
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2
Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Image	
Day/Night Switch	Day/Night/Auto/Schedule
Target Cropping	No
DNR	3D DNR
Image Enhancement	BLC/3D DNR/HLC
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
Interface	
Audio	1 input (line in/mic in), 1 output (line out), terminal block, mono sound
Alarm	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
Hardware Reset	Yes
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Event	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection, intrusion detection, face detection
General	
Firmware Version	5.6.3

Web Client Language	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
General Function	Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening
Startup and 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
Camera Material	Camera body: metal, bubble: plastic
Camera Dimension	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")
Camera Weight	Camera: Approx. 610 g (1.3 lb.),With Package: Approx. 820 g (1.8 lb.)
Approval	
Protection	IK10, IP67

▪ Available Model

DS-2CD2143G0-IB(2.8mm)(US Branch),DS-2CD2143G0-IB(4mm)(US Branch),

- Accessory
- Optional

WMSB	CB110B	SRSB	WM110B	AB110B
				
PC110B				
				

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