HIKVISION®

DS-2CD3843G0-AP
4 MP Indoor Box Network Camera

3D DNR | WDR | BLC | H.265+ | HD

- 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

- Audio and alarm interface available

- RS485 interface available

▪ Specification

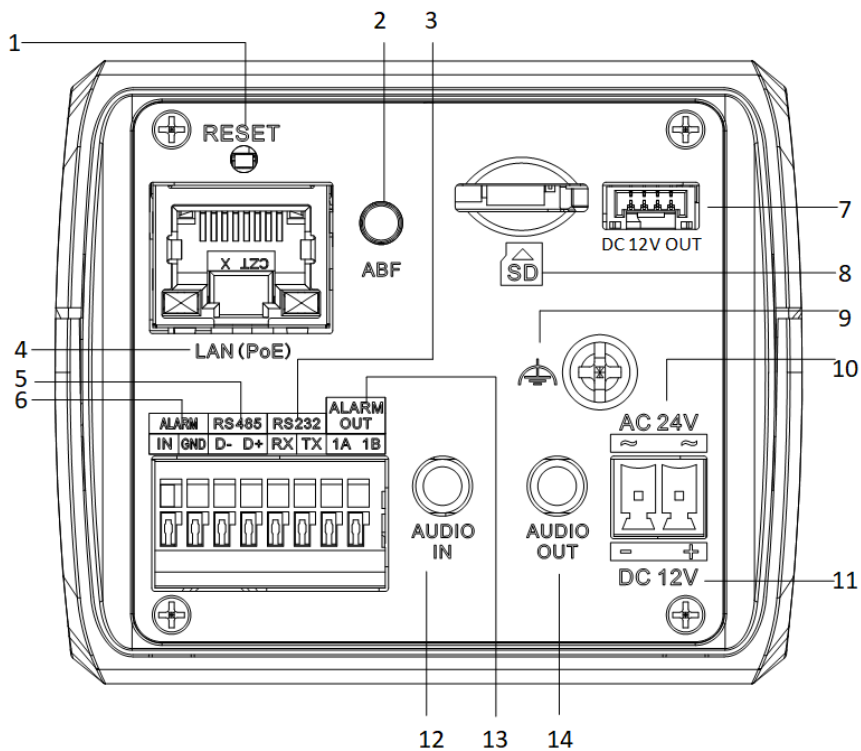| Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON)
Shutter Speed	1/3 s to 1/100, 000 s
Day & Night	IR cut filter
Lens	
Lens Mount	C/CS mount
Iris Type	DC drive; P-iris (depending on lens type)
Video	
Main Stream	50 Hz: 20 fps (2560 × 1440) 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440) 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720 , 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720 , 640 × 480, 640 × 360)
Third Stream	50 Hz: 1 fps (640 × 360) 60 Hz: 1 fps (640 × 360)
Video Compression	Main stream: H.265/H.264/H.265+/H.264+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
Audio	
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC
Audio Bit Rate	64 Kbps(G.711 ulaw/G.711 alaw)/16 Kbps(G.722.1)/16 Kbps(G.726)/32 to160 Kbps(MP2L2)/16 to 64 Kbps(AAC)
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, IPv4, UDP, SSL/TLS
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface, ISAPI
User/Host	Up to 32 users. 3 levels: administrator, operator and user
Network Storage	Auto network replenishment (ANR)
Client	iVMS-4200, Hik-Connect

Web Browser	Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
Image	
Image Settings	Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser.
Day/Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	120 dB
Image Enhancement	BLC, 3D DNR
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD card, up to 256 GB
Audio	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium.
Alarm	1 alarm in, 1 alarm out, (max. 24 VAC/24 VDC, 500 mA)
RS-485	1 RS-485 (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	Yes
Power Output	12 VDC, max. 200 mA
Event	
Basic Event	Motion detection, video tampering alarm, exception
Smart Event	Line crossing detection, intrusion detection
Linkage	Upload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, trigger alarm output
General	
Power	12 VDC ± 25%, 0.58 A, max. 7 W, two-core terminal block, reverse polarity protection; 24 VAC ± 20%, 0.49 A, max. 7 W, two-core terminal block PoE: 802.3af, 36 V to 57 V, 0.22 A to 0.14 A, max. 8 W
Camera Material	Metal
Camera Dimension	69.8 mm × 58 mm × 137 mm (2.7" × 2.3" × 5.4")
Package Dimension	315 mm × 140 mm × 140 mm (12.4" × 5.5" × 5.5")
Camera Weight	Approx. 830 g (1.8 lb.)
With Package Weight	Approx. 1120 g (2.5 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Web Client Language	English, Ukrainian
General Function	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Approval	
EMC	FCC (47 CFR Part 15, Subpart B) CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014)

Safety	CB (IEC 62368-1: 2014+A11)
	CE-LVD (EN 62368-1: 2014/A11: 2017)
	BIS (IS 13252 (Part 1): 2010/IEC 60950-1: 2005)
Environment	CE-RoHS (2011/65/EU)

▪ Available Model

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▪ Physical Interface

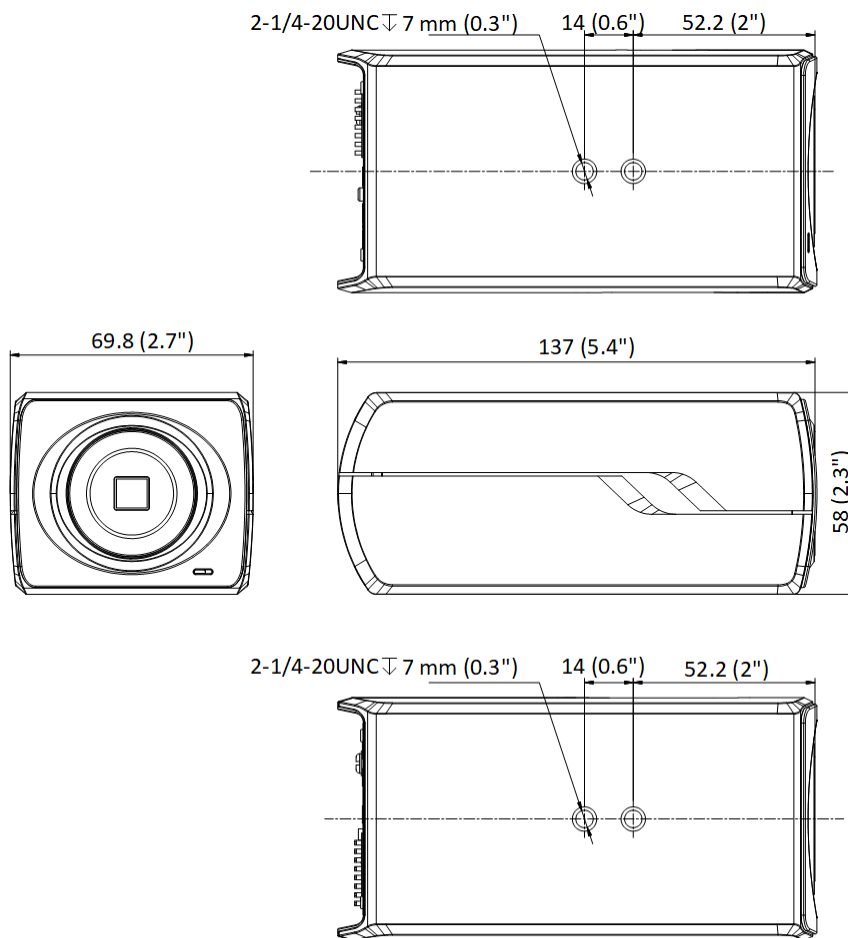| No.	Description	No.	Description
1	RESET Button	8	MicroSD Card Slot
2	ABF	9	Ground
3	RS232	10	AC 24 V
4	LAN (PoE)	11	DC 12 V
5	RS 485	12	AUDIO IN
6	ALARM IN	13	ALARM OUT
7	DC 12 V OUT	14	AUDIO OUT

▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Dimension

Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

DS-1299ZJ Pendant Mount	DS-1332HZ Indoor Housing	DS-1330HZ Indoor Housing	DS-1292ZJ Wall Mount

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