

DS-2CD1H43G0-IZ

DS-2CD1H43G0-IZ 2.8-12mm 4mp IR30m VF Turret IP CAMERA HIKVISION

- High quality imaging with 4 MP resolution
- Efficient H.265+ compression technology
- Clear imaging even with strong back lighting due to 120 dB WDR
- Up to 256 GB SD card slot for storage
- Water and dust resistant (IP67)
- EXIR 2.0: advanced infrared technology with long IR range

Type	IP
Megapixel	4 MP
Objective	Motorized
Focus	2.7-13.5 mm
Lighting	LED
Lighting distance	30 m
Protection	IP67
Material	Plastic



Detailed

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.005 Lux @(F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Wide Dynamic Range	120 dB
Day & Night	IR Cut Filter

Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 70°, rotation: 0° to 355°
Lens	
Lens Type	Varifocal Lens, motoried lens, 2.8 to 12 mm
Focal Length& FOV	2.8 to 12 mm: horizontal FOV 102° to 31°, vertical FOV 54° to 17°, diagonal FOV 123° to 35°
Lens Mount	Ø14
Iris Type	Fixed
Aperture	F1.6
Illuminator	
IR Wavelength	850 nm
IR Range	Up to 30 m
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)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG
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
Audio	
Audio Compression	-S: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC

Audio Bit Rate	-S: 64 Kbps(G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC)
Audio Sampling Rate	-S: 8 kHz/16kHz
Environment NoiseFiltering	-S: 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 VideoInterface, ISAPI
User/Host	Up to 32 users. 3 levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required liveview: IE 10+ Plug-in free live view:Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox52.0+
Image	
Image Settings	Saturation, brightness, contrast, sharpness, AGC,white balance adjustable by client software or web browser
Day/Night Switch	Auto, Schedule, Day,Night
Image Enhancement	BLC, 3D DNR
Interface	
Ethernet Interface	1 RJ45 10 M/100M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD card, up to 256 GB
	-S: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ,

Audio	<p>interface type: non-equilibrium</p> <p>1 output(line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output</p> <p>impedance: 100 Ω, interface type: non-equilibrium</p>
Alarm	-S: 1 input,1output, max. 12 VDC, 30 mA
Reset Key	Yes
Event	
Basic Event	Motion detection, video tampering alarm,exception
Linkage	<p>Upload to FTP,notify surveillance center,send email,</p> <p>upload to memory card,trigger</p> <p>recording, trigger capture</p>
General	
Power	<p>12 VDC \pm25%, 0.75 A, max. 9 W, \varnothing5.5mm coaxial powerplug</p> <p>PoE: 802.3af, Class 3, 36 V to 57 V, 0.27A to 0.17 A, max. 10 W</p>
Camera Material	Cover: plastic, main body:metal
Camera Dimension	\varnothing 129.4 mm \times 116.4 mm (\varnothing 5.1" \times 4.6")
Package Dimension	170 mm \times 170 mm \times 150 mm (6.7" \times 6.7" \times 5.9")
Camera Weight	Approx. 560 g (1.2 lb.)
With PackageWeight	Approx. 850g (1.9 lb.)
Storage Conditions	<p>-30 $^{\circ}$C to 60 $^{\circ}$C (22 $^{\circ}$F to +140 $^{\circ}$F).</p> <p>Humidity 95% or less (non-condensing)</p>
Startup and Operating Conditions	<p>-30 $^{\circ}$C to 60 $^{\circ}$C (22 $^{\circ}$F to +140 $^{\circ}$F).</p> <p>Humidity 95% or less(non-condensing)</p>
Language	English, Ukrainian
General Function	<p>Anti-flicker, heartbeat, mirror, password protection,</p> <p>privacy mask, watermark, IP</p> <p>address filter</p>

Approval	
EMC	FCC SDoC(47 CFR Part 15, SubpartB); CE-EMC (EN55032: 2015, EN 61000-3-2: 2014,EN 61000-3-3: 2013,EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32:2015); IC VoC (ICES-003: Issue6, 2016); KC (KN 32: 2015,KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013,IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009+ Am 2:2013, IEC 6 2368-1:2014); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015)
Environment	CE-RoHS (2011/65/EU); WEEE(2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Electrical SafetyProtection	IP67 (IEC60529-2013)