

# DS-2CD1A43G0-IZ 4 MP Varifocal Bullet PT Network Camera





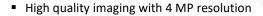












- Pan, tilt and zoom ability that enables the camera to capture larger and interested areas
- Water and dust resistant (IP66)
- EXIR 2.0, advanced infrared technology with long IR distance
- Efficient H.265+ compression technology





## Specification

| Camera                      |   |
|-----------------------------|---|
| Image Sensor                | 1/3" Progressive Scan CMOS  |
| Max. Resolution             | 2560 × 1440   |
| Min. Illumination           | Color: 0.007 Lux @ (F1.6, AGC ON), 0 Lux with light   |
| Shutter Time                | 1/3 s to 1/100, 000 s   |
| Day & Night                 | IR cut filter   |
| Angle Adjustment            | Pan: -100° to 100°, tilt: -20° to 45°   |
| Lens                        |   |
| Lens Type                   | Varifocal lens, motorized lens, 2.8 to 12 mm  |
| Focal Length & FOV          | 2.8 to 12 mm, horizontal FOV 96.7° to 29.7°, vertical FOV 51.7° to 16.7°, diagonal FOV 114.3° to 34°                      |
| Lens Mount                  | Ø14   |
| Iris Type                   | Fixed   |
| Aperture                    | Max. F1.6   |
| DORI                        |   |
|                             | Varifocal lens:   |
| DORI                        | Wide: D: 64 m, O: 25 m, R: 12 m, I: 6 m   |
|                             | Tele: D: 200 m, O: 75 m, R: 40 m, I: 20 m   |
| Illuminator                 |   |
| Supplement Light Type       | IR  |
| Supplement Light Range      | Up to 50 m  |
| Smart Supplement Light      | Yes   |
| IR Wavelength               | 850 nm  |
| Video                       |   |
| Main Stream                 | 50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720)   |
| Main Stream                 | 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720)   |
| Sub-Stream                  | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)  |
| Sub-Stiedili                | 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)  |
| Video Compression           | Main stream: H.265+/H.265/H.264+/H.264  |
| video Compression           | 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  |
| Bit Rate Control            | CBR/VBR   |
| Region of Interest (ROI)    | 1 fixed region for main stream  |
| Audio                       |   |
| Audio Type                  | Mono sound  |
| Environment Noise Filtering | Yes   |
| Audio Sampling Rate         | 8 kHz/16 kHz  |
| Audio Compression           | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC  |
| Audio Bit Rate              | 64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) |



| Network                        |  |
|--------------------------------|--|
| Security                       | Password protection, complicated password, HTTPS encryption, 802.1X authentication     |
|                                | (EAP-MD5), watermark, IP address filter, basic and digest authentication for           |
|                                | HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface,           |
|                                | RTP/RTSP over HTTPS, security audit log, TLS 1.2, host authentication (MAC address)    |
| Simultaneous Live View         | Up to 6 channels   |
| API                            | Open Network Video Interface (Profile S, Profile G), ISAPI, SDK                        |
| Protocols                      | TCP/IP, ICMP, DHCP, DNS, DDNS, HTTP, HTTPS, RTP, RTSP, NTP, UPnP, IGMP, IPv6,          |
|                                | UDP, QoS, Bonjour, FTP, 802.1x, SMTP   |
| User/Host                      | Up to 32 users   |
|                                | 3 levels: Administrator, Operator and User iVMS-4200, Hik-Connect                      |
| Client                         |  |
| Web Browser                    | Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+    |
| Imago                          | Local Service. Cilionie 37.0+, Filelox 32.0+   |
| Image Wide Dynamic Range (WDR) | 120 dB WDR   |
| SNR                            | ≥ 52 dB  |
| Day/Night Switch               | Day, Night, Auto, Schedule   |
| Image Enhancement              | BLC, HLC, 3D DNR   |
| illiage Lilliancement          | Mirror, saturation, brightness, contrast, sharpness, gain, white balance adjustable by |
| Image Settings                 | client software or web browser   |
| Privacy Mask                   | 4 regions of privacy mask  |
| Interface                      | + regions of privacy mask  |
| Ethernet Interface             | 1 RJ45 10 M/100 M self-adaptive Ethernet port  |
| On-Board Storage               | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB      |
| Built-in Microphone            | Yes  |
| Reset Key                      | Yes  |
| Event                          |  |
| Basic Event                    | Motion detection, video tampering alarm, exception                                     |
| 240.0 270.10                   | Upload to FTP/memory card, notify surveillance center, send email, trigger recording,  |
| Linkage                        | trigger capture  |
| General                        |  |
| Power                          | 12 VDC ± 25%, 0.91 A, max. 11 W, Ø5.5 mm coaxial power plug, reverse polarity          |
|                                | protection,  |
|                                | PoE: 802.3af, Class 3, 36 V to 57 V, 0.34 A to 0.21 A, max. 12.5 W                     |
| Material                       | Front cover: metal, body: plastic, bracket: plastic                                    |
| Dimension                      | 197.1 mm × 105 mm × 225.4 mm (7.8" × 4.1" × 8.9")                                      |
| Package Dimension              | 300 mm × 266 mm × 172 mm (11.8" × 10.4" × 6.8")  |
| Weight                         | Approx. 900 g (2 lb.)  |
| With Package Weight            | Approx. 1520 g (3.3 lb.)   |
| Storage Conditions             | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)              |
| Startup and Operating          | 20 904- 00 90 / 22 95 4- 440 95 11 111 250 / 1 1 1                                     |
| Conditions                     | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)              |
| Language                       | English, Ukrainian   |
| General Function               | Anti-flicker, heartbeat, password protection, password reset via e-mail                |
|                                | ·  |



| Approval    |   |
|-------------|---|
| EMC         | CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN |
|             | 50130-4: 2011 +A1: 2014,  |
|             | RCM: AS/NZS CISPR 32: 2015,   |
|             | IC: ICES-003: Issue 7,  |
|             | KC: KN32: 2015, KN35: 2015, FCC: 47 CFR Part 15, Subpart B                |
| Safety      | UL: UL 62368-1,   |
|             | 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,  |
|             | WEEE: 2012/19/EU,   |
|             | Reach: Regulation (EC) No 1907/2006                                       |
| Protection  | IP66: IEC 60529-2013  |

### Available Model

DS-2CD1A43G0-IZ (2.8 to 12 mm)

## Typical Application

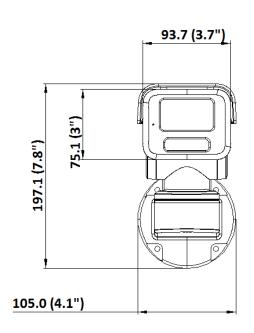
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

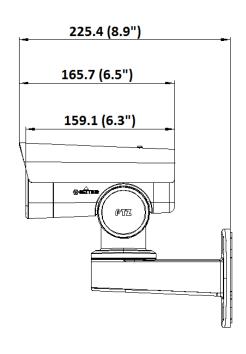
This model has NO SPECIFIC PROTECTION.

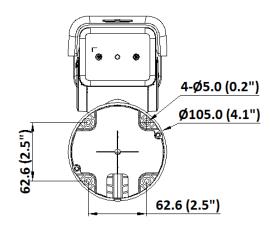
| Level                  | Description   |
|------------------------|---|
| Top-level protection   | Hikvision products at this level are equipped for use in areas where professional             |
|                        | anti-corrosion protection is a must. Typical application scenarios include coastlines, 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





Distributed by

HIKVISION<sup>®</sup>

#### Headquarters

No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China T +86-571-8807-5998 overseasbusiness@hikvision.com

Hikvision USA T+1-909-895-0400 sales.usa@hikvision.com

Hikvision Australia T +61-2-8599-4233 salesau@hikvision.com

Hikvision India T+91-22-28469900 sales@pramahikvision.com

Hikvision Canada T+1-866-200-6690 sales.canada@hikvision.com

Hikvision Thailand T +662-275-9949 sales.thailand@hikvision.com Hikvision Europe T +31-23-5542770 sales.eu@hikvision.com

Hikvision Italy T +39-0438-6902 info.it@hikvision.com

Hikvision Brazil T +55 11 3318-0050 Latam.support@hikvision.com

Hikvision Turkey T +90 (216)521 7070- 7074 sales.tr@hikvision.com

Hikvision Malaysia T+601-7652-2413 sales.my@hikvision.com Hikvision UK & Ireland T +01628-902140 sales.uk@hikvision.com

Hikvision South Africa Tel: +27 (10) 0351172 sale.africa@hikvision.com

Hikvision France T +33[0]1-85-330-450 info.fr@hikvision.com

Hikvision Kazakhstan T +7-727-9730667 nikia.panfilov@hikvision.ru

Hikvision Vietnam T +84-974270888 sales.vt@hikvision.com Hikvision UAE T +971-4-4432090 salesme@hikvision.com

Hikvision Singapore T +65-6684-4718 sg@hikvision.com

Hikvision Spain T +34-91-737-16-55 info.es@hikvision.com

Hikvision Tashkent T +99-87-1238-9438 uzb@hikvision.ru

Hikvision Hong Kong T +852-2151-1761 info.hk@hikvision.com Hikvision Russia T +7-495-669-67-99 saleru@hikvision.com

Hikvision Korea T +82-{0}31-731-8817 sales.korea@hikvision.com

Hikvision Poland T +48-22-460-01-50 info.pl@hikvision.com

Hikvision Indonesia T+62-21-2933759 Sales.Indonesia@hikvision.com

Hikvision Colombia sales.colombia@hikvision.com

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