

## DS-2CD2023G0-I

### 2 MP Outdoor IR Fixed Bullet Camera



- 1/2.8" (2 MP) Progressive Scan CMOS
- 1920 x 1080 Resolution @ 30 fps
- EXIR 2.0 Range Up to 100 ft (30 m)
- 2.8 mm or 4 mm Fixed Lens
- H.265+, H.265, H.264+, H.264
- 120 dB True WDR
- MicroSD Card Slot Supports 128 GB
- IP67 Protection
- Durable Metal Housing
- 12 VDC and PoE (802.3af)

The Hikvision DS-2CD2023G0-I Outdoor IR Fixed Bullet Camera provides high definition network output. It supports H.265+ video compression, which assures savings in bandwidth and storage.

The camera is equipped with 2.8 mm and 4 mm fixed lenses, and offers an EXIR 2.0 range of up to 100 ft (30 m).

Smart features such as line crossing and intrusion detection are supported.

#### Available models:

DS-2CD2023G0-I: 2.8 mm or 4 mm lens



# Specifications

| DS-2CD2023G0-I                |  |
|-------------------------------|--|
| <b>Camera</b>                 |  |
| Image Sensor                  | 1/2.8" progressive scan CMOS   |
| Minimum Illumination          | Color: 0.028 lux @ (f/2.0, 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                           | 120 dB   |
| Angle Adjustment              | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°   |
| <b>Lens</b>                   |  |
| Focal Length                  | 2.8 mm or 4 mm fixed lens  |
| Aperture                      | f/2.0  |
| Focus                         | Manual   |
| FOV                           | 2.8 mm: Horizontal FOV: 103°, vertical FOV: 59°, diagonal FOV: 118°<br>4 mm: Horizontal FOV: 86°, vertical FOV: 46°, diagonal FOV: 102°              |
| Lens Mount                    | M12  |
| <b>IR</b>                     |  |
| IR Range                      | Up to 100 ft (30 m)  |
| Wavelength                    | 850 nm   |
| <b>Compression Standard</b>   |  |
| Video Compression             | Main stream: H.265+/H.265/H.264+/H.264, sub-stream: H.265+/H.265/H.264+/H.264/MJPEG, third stream: H.265+/H.265/H.264+/H.264                         |
| H.264 Type                    | Main profile/high profile  |
| H.264+                        | Main stream and sub-stream support   |
| H.265 Type                    | Main profile   |
| H.265+                        | Main stream and sub-stream support   |
| Video Bit Rate                | 256 Kbps to 16 Mbps  |
| <b>Smart Features</b>         |  |
| Behavior Analysis             | Line crossing detection, intrusion detection   |
| Exception Detection           | Yes  |
| Region of Interest            | One fixed region for main stream and sub-stream  |
| <b>Image</b>                  |  |
| Maximum Resolution            | 1920 x 1080  |
| Main Stream                   | 30 fps (1920 x 1080, 1280 x 960, 1280 x 720)   |
| Sub Stream                    | 30 fps (640 x 480, 640 x 360, 320 x 240)   |
| Third Stream                  | 30 fps (1920 x 1080, 1280 x 720, 640 x 360, 352 x 240)   |
| Image Enhancement             | BLC/3D DNR   |
| Image Setting                 | Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or Web browser                    |
| Target Cropping               | No   |
| Day/Night Switching           | Auto/schedule  |
| <b>Network</b>                |  |
| Network Storage               | MicroSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS, SMB/CIFS), ANR  |
| Alarm Trigger                 | Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error                               |
| Protocols                     | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1x, QoS, IPv6, UDP, Bonjour                |
| General Function              | One-key reset, anti-flicker, 5 streams and up to 5 custom streams, heartbeat, password protection, privacy mask, watermark, and IP address filtering |
| API                           | ONVIF (PROFILE S, PROFILE G), ISAPI  |
| Simultaneous Live View        | Up to 6 channels   |
| User/Host                     | Up to 32 users. 3 user levels: administrator, operator, and user   |
| Client                        | iVMS-4200, Hik-Connect   |
| Web Browser                   | IE 8+, Chrome 31.0 to 44, Firefox 30.0 to 51, Safari 8.0+  |
| <b>Interface</b>              |  |
| Communication Interface       | 1-port RJ-45 10M/100M self-adaptive Ethernet port  |
| Video Output                  | No   |
| On-Board Storage              | Built-in microSD/SDHC/SDXC slot, up to 128 GB  |
| SVC                           | H.264 and H.265 encoding   |
| Reset Button                  | Yes  |
| <b>General</b>                |  |
| Operating Conditions          | -22° to 140° F (-30° to 60° C); humidity 95% or less (non-condensing)  |
| Power Supply                  | 12 VDC ±25%, Ø5.5 mm coaxial power plug, PoE (802.3af, class 3)  |
| Power Consumption and Current | 12 VDC, 0.5 A, maximum 6 W; PoE (802.3af, 37 V to 57 V), 0.2 A to 0.1 A, maximum 7.5 W   |
| Protection Level              | IP67, TVS 2000V lightning protection, surge protection, and voltage transient protection   |
| Material                      | Metal  |
| Dimensions                    | Ø2.8" x 6.1" (Ø70 mm x 155.03 mm)  |
| Weight                        | 0.98 lbs (0.9 kg)  |

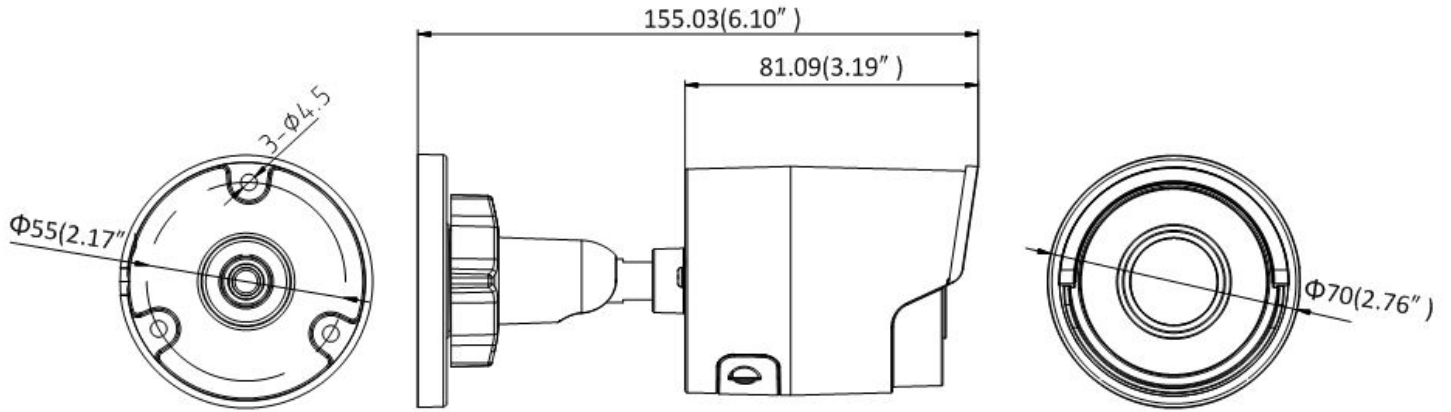
## Accessories

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## Dimensions

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## Box Contents (Subject to Change without Notice)

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- Quick Start Guide x 2
- Screws
- Watertight Cable Connector