

DS-2XC6223G0-L(R)(D/Y) 2 MP Bullet Underwater Network Camera



Hikvision has been dedicated to develop products with security since established. Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- Anti-corrosion polymer enclosure, protecting cameras to be used in corrosive environments, providing reliability and longevity compared to standard cameras
- Water and dust resistant (IP68): the camera can be used under water up to 10 meters
- H.265+/H.265/H.264+/H.264 encoding: efficient compression technology saves storage space and reduces bandwidth requirements
- Wiper models (-R models) support wiper decontamination
- White light supplement, support full color picture
- -D and -Y models support dissolved oxygen sensors to measure dissolved oxygen concentration and air saturation

▪ Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	Color: 0.03 Lux @ (F2.0, AGC ON), 0 Lux with light
Shutter Time	1/3 s to 1/100,000 s
Lens	
Lens Type	Fixed focal lens, 2.8, and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 109.1°, vertical FOV 60.3°, diagonal FOV 129.1° 4 mm, horizontal FOV 84.9°, vertical FOV 45.3°, diagonal FOV 101.8°
Aperture	F2.0
Illuminator	
Supplement Light Type	White Light
Supplement Light Range	NTU: 0 to 5, up to 1 m, NTU: 5 to 15, up to 0.5 m, NTU: >15, up to 0.2 m
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 25 fps (1920 × 720, 640 × 360) 60 Hz: 30 fps (1920 × 720, 640 × 360)
Video Compression	Main stream: H.265+/H.265/H.264+/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
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream
Network	
Protocols	SSL/TLS, RTSP, TCP/IP, RTP, HTTP, QoS, PPPoE, ICMP, DDNS, UDP, UPnP, IGMP, DHCP, DNS, SNMP, IPv4, IPv6, FTP, HTTPS, 802.1X, NTP
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G), ISAPI, SDK, ISUP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), WSSE and digest authentication for ONVIF, basic and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, security audit log, control timeout settings
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+

Image	
Image Settings	Rotate mode,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,HLC,3D DNR
Privacy Mask	Yes
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in eMMC storage, 64 GB
Reset Key	Yes
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, region entrance detection, region exiting detection, unattended baggage detection, object removal detection,scene change detection,defocus detection
Linkage	Upload to FTP, notify surveillance center, send email, trigger recording, trigger capture
General	
Power	12 VDC, 0.88 A, max.10.6 W, two-core terminal terminal block, PoE: IEEE 802.3af, Class 3, max. 12.95 W
Material	-LY/LD/LRY/LRD: PTS+50%GF + stainless steel -L/LR: PTS+50%GF
Dimension	-L: 114 mm × 100.9 mm × 114.9 mm (4.49" × 3.97" × 4.52"), -LR: 122.1 mm × 122.7 mm × 206.6 mm (4.81" × 4.83" × 8.13"), -LD/LY: 192 mm × 169.1 mm × 172 mm (7.56" × 6.66" × 6.77"), -LRD/LRY: 196 mm × 185.4 mm × 264 mm (7.72" × 7.30" × 10.39")
Package Dimension	498 mm × 342 mm × 182 mm (19.60" × 13.46" × 7.17")
Weight	-L: approx. 1825 g (4.02 lb.) -LR: approx. 2040 g (4.50 lb.) -LRD: approx. 2845 g (6.27 lb.) -LRY: approx. 2490 g (5.49 lb.) -LY: approx. 1760 g (3.88 lb.) -LD: approx. 1765 g (3.89 lb.)
With Package Weight	-L: approx. 2825 g (6.23 lb.) -LR: approx. 3540 g (7.80 lb.) -LRD: approx. 4020 g (8.86 lb.) -LRY: approx. 4038 g (8.90 lb.) -LY: approx. 3345 g (7.37 lb.) -LD: approx. 3300 g (7.28 lb.)
Storage Conditions	-10 °C to 50 °C (14 °F to 122 °F)
Startup and Operating Conditions	-10 °C to 50 °C (14 °F to 122 °F)
Language	9 languages: English, Italian, French, Portuguese, Spanish, Russian, Japanese, Korean, Thai

General Function	Heartbeat, mirror, flash log, password reset via e-mail, pixel counter, anti-banding
Wiper	-R: Yes
Cable Length	10 m (32.81 ft.) (included)
Approval	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015
Safety	CB: IEC 62368-1: 2014, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005, LOA: IEC/EN 60950-1
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP68: IEC 60529-2013
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018), C5
Dissolved Oxygen Sensor	
Measurement Range	DS-2XC6223G0-L(R)(D/Y):-LD/-LY/-LRD/-LRY: Dissolved oxygen: 0 to 20 mg/L, 0 to 200% saturation, Temperature: 0 °C to 50 °C (32 °F to 122 °F) -LD/-LY/-LRD/-LRY: Dissolved oxygen: 0 to 20 mg/L, 0 to 200% saturation, Temperature: 0 °C to 50 °C (32 °F to 122 °F)
Accuracy	-LD/-LY/-LRD/-LRY: Dissolved oxygen: ± 0.3 mg/L or $\pm 3\%$, Temperature: ± 0.4 °C (± 32.72 °F)
Resolution	-LD/-LY/-LRD/-LRY: 0.01 mg/L

▪ 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.

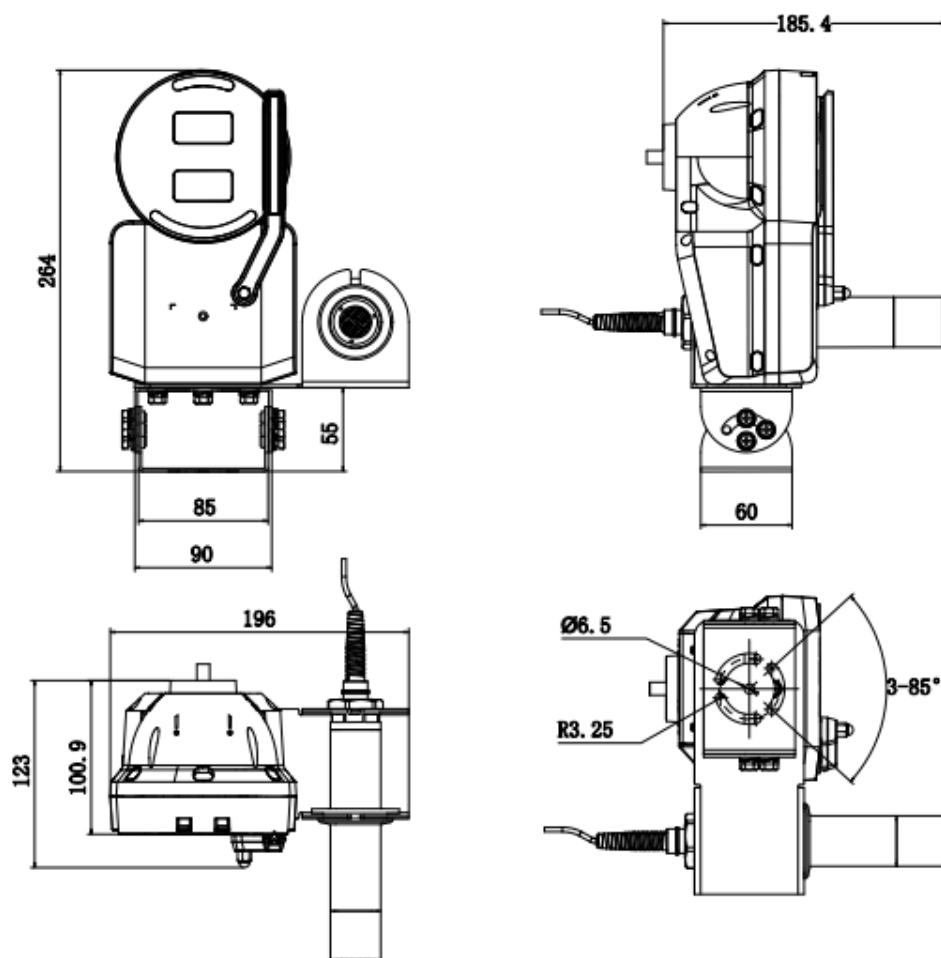
This model has TOP-LEVEL PROTECTION.

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.

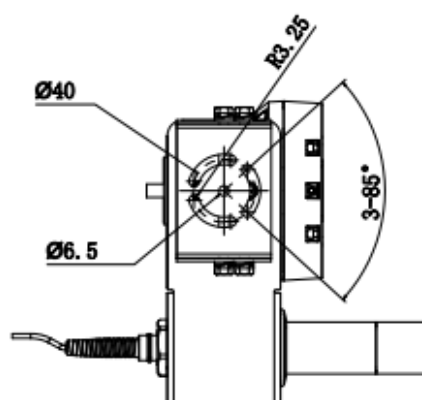
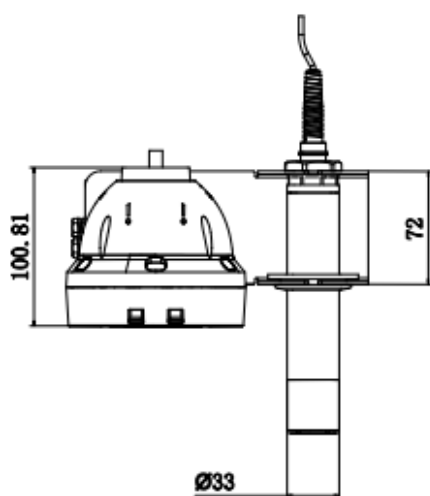
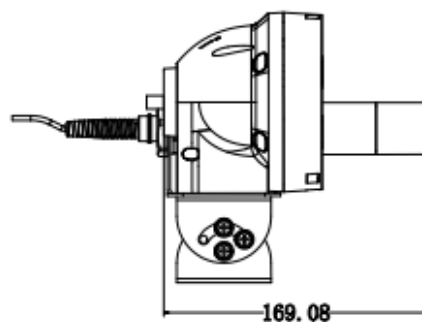
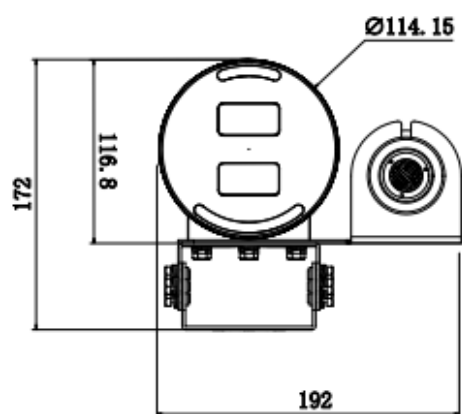
▪ Available Model

DS-2XC6223G0-L(2.8mm)
 DS-2XC6223G0-L(4mm)
 DS-2XC6223G0-LY(2.8mm)
 DS-2XC6223G0-LY(4mm)
 DS-2XC6223G0-LD(2.8mm)
 DS-2XC6223G0-LD(4mm)
 DS-2XC6223G0-LRY(2.8mm)
 DS-2XC6223G0-LRY(4mm)
 DS-2XC6223G0-LRD(2.8mm)
 DS-2XC6223G0-LRD(4mm)
 DS-2XC6223G0-LR(4mm)
 DS-2XC6223G0-LR(2.8mm)

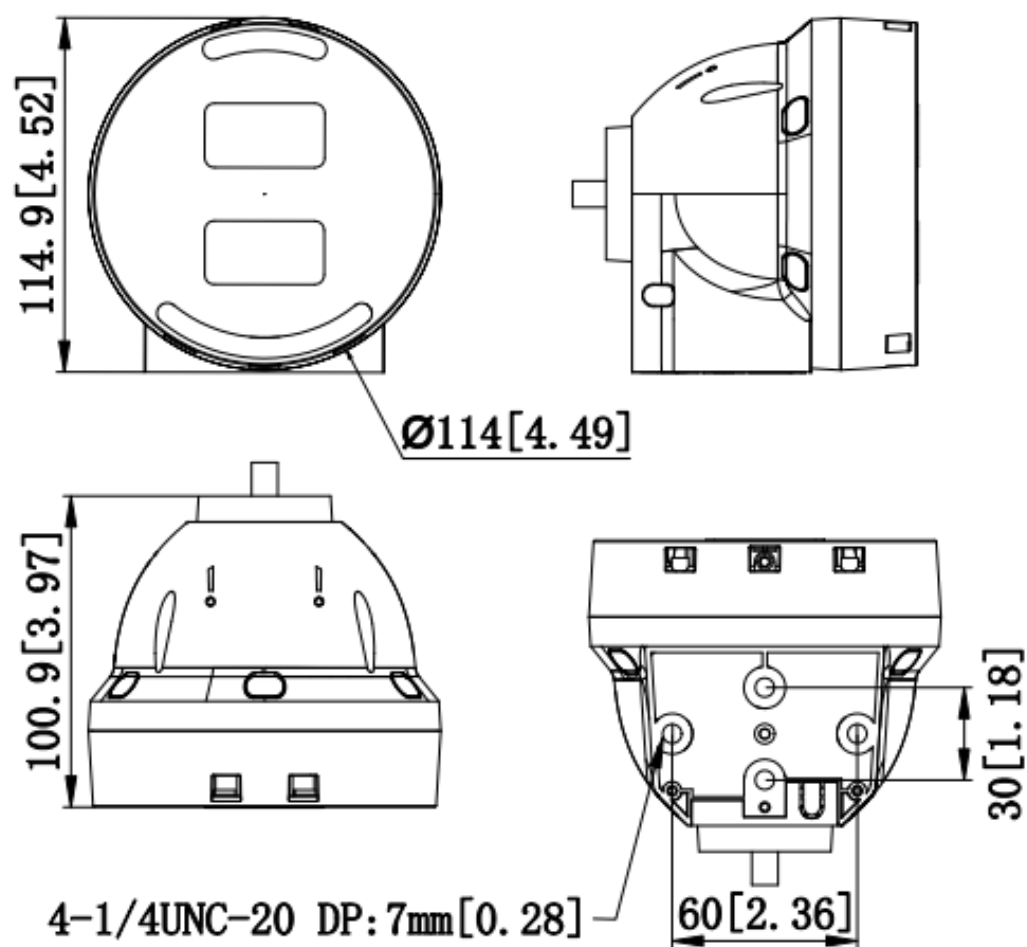
▪ Dimension



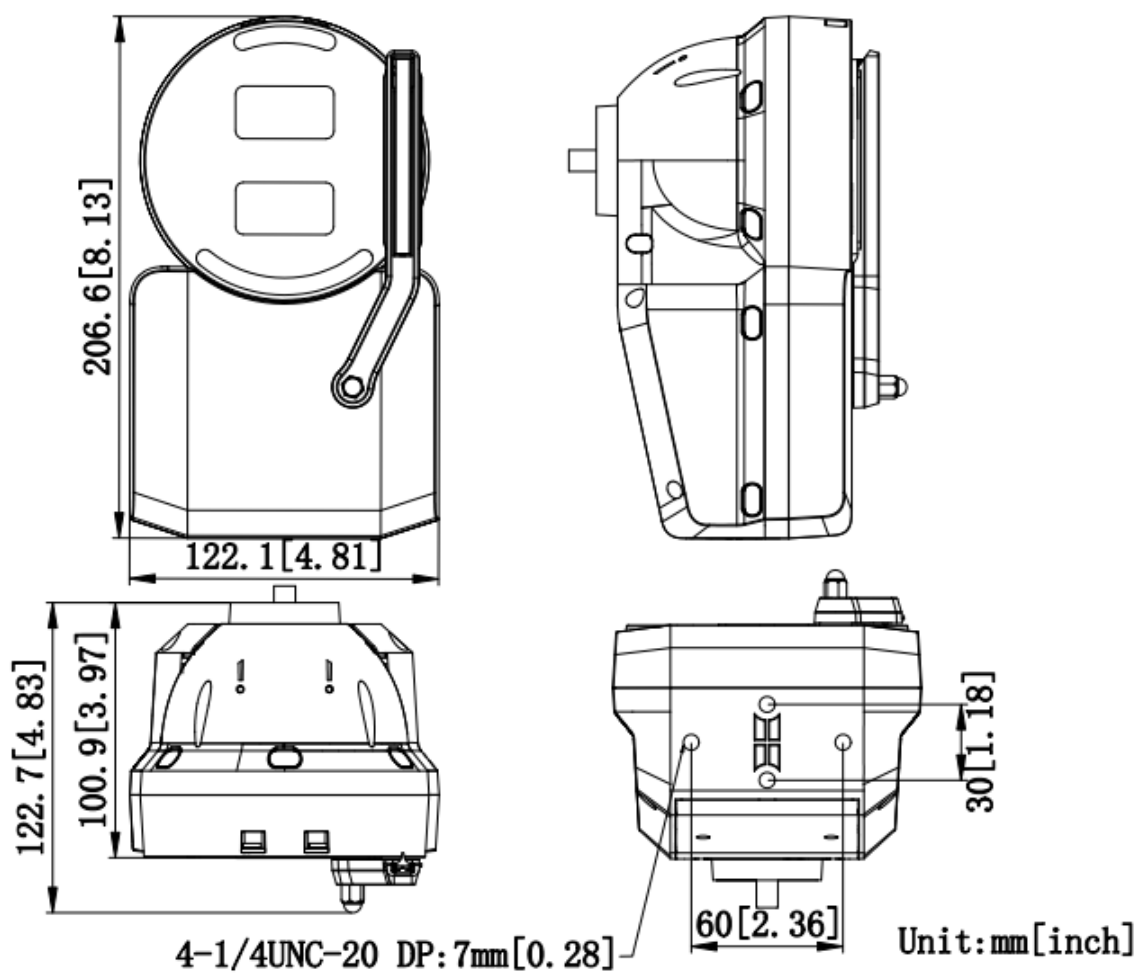
Unit:mm



Unit:mm



Unit:mm[inch]



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www.hikvision.com
support@hikvision.com

