DS-2XC6284G0-L
316L 8MP Underwater Vari-focal Bullet



- 316L stainless steel enclosure, protecting cameras to be used in corrosive environments, providing reliability and longevity compared to standard cameras
- IP68: the camera can be used under water up to 15 meters
- H.265+/H.265/H.264+/H.264 encoding: efficient compression technology saves storage space and reduces bandwidth requirements
- DarkFighter technology enables the capture of high quality color images in even the dimmest lighting environments
- True WDR technology provides clear imaging even with strong back lighting

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Min. Illumination	Color: 0.001 Lux @ (F1.4, AGC ON), B/W: 0 Lux with Light
Shutter Time	1 s to 1/100,000 s
Lens	
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm
Focus	Auto,Semi-auto,Manual
Focal Length & FOV	2.8 to 12 mm, horizontal FOV 100.7° to 40.2°, vertical FOV 52.8° to 22.6°, diagonal FOV 121.5° to 46.1°
Aperture	F1.4
DORI	
DORI	Wide: D: 89.2 m, O: 35.4 m, R: 17.8 m, I: 8.9 m Tele: D: 220.0 m, O: 87.3 m, R: 44.0 m, I: 22.0 m
Illuminator	
Supplement Light Type	White Light
Supplement Light Range	Turbidity (NTU) : 0 to 5, up to 1 m, Turbidity (NTU) : 5 to 15, up to 0.5 m, Turbidity (NTU) : > 15, up to 0.2 m
Video	
Main Stream	50 Hz: 20 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
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
Bit Rate Control	CBR,VBR
Scalable Video Coding (SVC)	H.265 and H.264 encoding
Region of Interest (ROI)	5 fixed regions for main stream and sub-stream
Target Cropping	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP,UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, SSL/TLS, WebSocket, WebSockets
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface, ISAPI, SDK, ISUP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user

Network Storage	NAS (NFS, SMB/CIFS),CVR,NVR,Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
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+, Edge 89+, Safari 11+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, white balance, AGC, adjustable by client software or web browser
Day/Night Switch	Day,Night,Auto,Schedule,Alarm Trigger
Wide Dynamic Range (WDR)	120 dB
Image Enhancement	BLC,HLC,3D DNR,Defog
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.
SNR	≥ 50 dB
Privacy Mask	8 programmable polygon privacy masks
Interface	
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 128 GB, *You are recommended to purchase memory card together with the product if needed. After ordering, the memory card will be installed to product during manufacturing.
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
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,trigger capture
General	
Power	36 VDC ± 20%, 0.5 A, max. 18 W, two-core terminal block PoE: IEEE 802.3at, Class 4
Material	316L and anti-corrosion coating
Dimension	210.6 mm × 208 mm × 224 mm (8.29" × 8.19" × 8.82")
Package Dimension	700 mm × 530 mm × 365 mm (27.6" × 20.9" × 14.4")
Weight	Approx. 8.340 kg (18.387 lb.)
With Package Weight	Approx. 10.985 kg (24.218 lb)
Startup and Operating Conditions	-10 °C to 60 °C (14 °F to 140 °F). Humidity 100% or less (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Anti-banding, heartbeat, mirror, flash log, password reset via email, pixel counter

Cable Length	15 m (49.2 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	UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005, LOA: IEC/EN 60950-1
Protection	IP68 (IEC 60529-2013) (within 15 m underwater)

▪ 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.

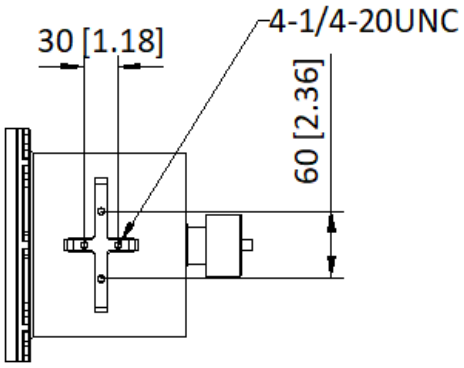
This model has TOP-LEVEL SPECIFIC PROTECTION.

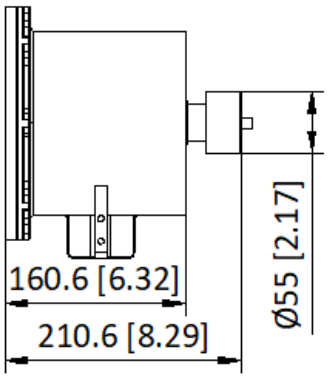
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped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

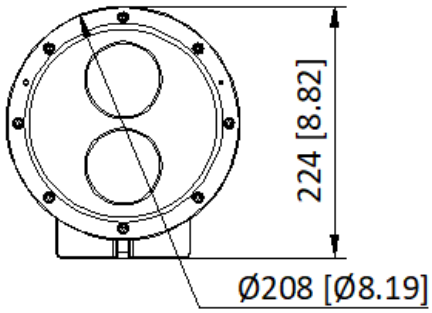
▪ Available Model

DS-2XC6284G0-L(2.8-12mm)

▪ Dimension



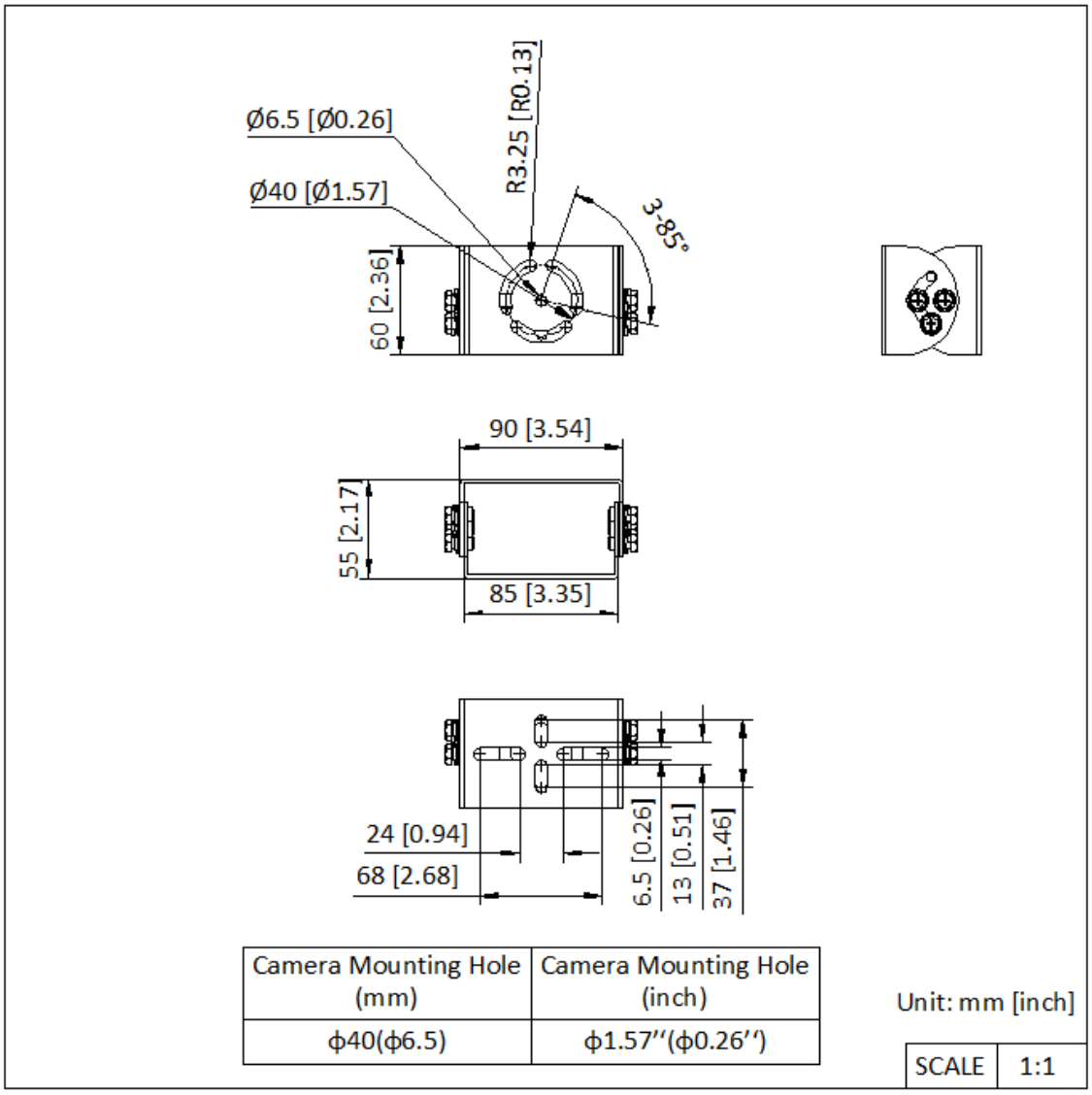




Camera Mounting Hole (mm)	Camera Mounting Hole (inch)
60*30(4*1/4-20UNC)	2.36''*1.18''(4*1/4-20UNC)

Unit: mm [inch]

SCALE	1:1



Camera Mounting Hole (mm)	Camera Mounting Hole (inch)
ϕ40(ϕ6.5)	ϕ1.57''(ϕ0.26'')

Unit: mm [inch]

SCALE 1:1

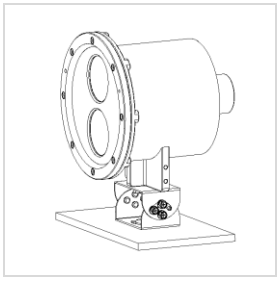
▪ Accessory

▪ Included

DS-1706ZJ-DAC


▪ Installation Methods

Cardan Joint DS-1706ZJ-DAC



See Far, Go Further

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