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DS-2XC6245G0-L 4 MP Varifocal Underwater Camera (2.8-12mm)



Underwater Varifocal Camera

- 316L Stainless Steel enclosure
- 2.8- 12mm varifocal lens
- H.265+/H.265/H.264+/H.264
- DarkFighter technology
- WDR technology
- IP68

H.264

Description

The DS-2XC6245G0-L 4 MP Varifocal Underwater Camera (2.8-12mm) is equipped for use in areas where professional anti-corrosion protection is a must. The camera has a 316L stainless steel enclosure so it can be used in corrosive environments, providing reliability and longevity compared to standard cameras. It has a IP68 rating which means that the camera can be used underwater up to 50 meters in depth.

DS-2XC6245G0-L 4 MP Varifocal Underwater Camera (2.8-12mm)

It has a 1/1.8" Progressive Scan CMOS image sensor and a maximum resolution of 2560 x 1440. Additionally, it features a 2.8 to 12 mm vairfocal lens and supports up to 20 simultaneous live view channels. The network can support up to 32 users with 3 levels of administration (user, operator, and administrator).

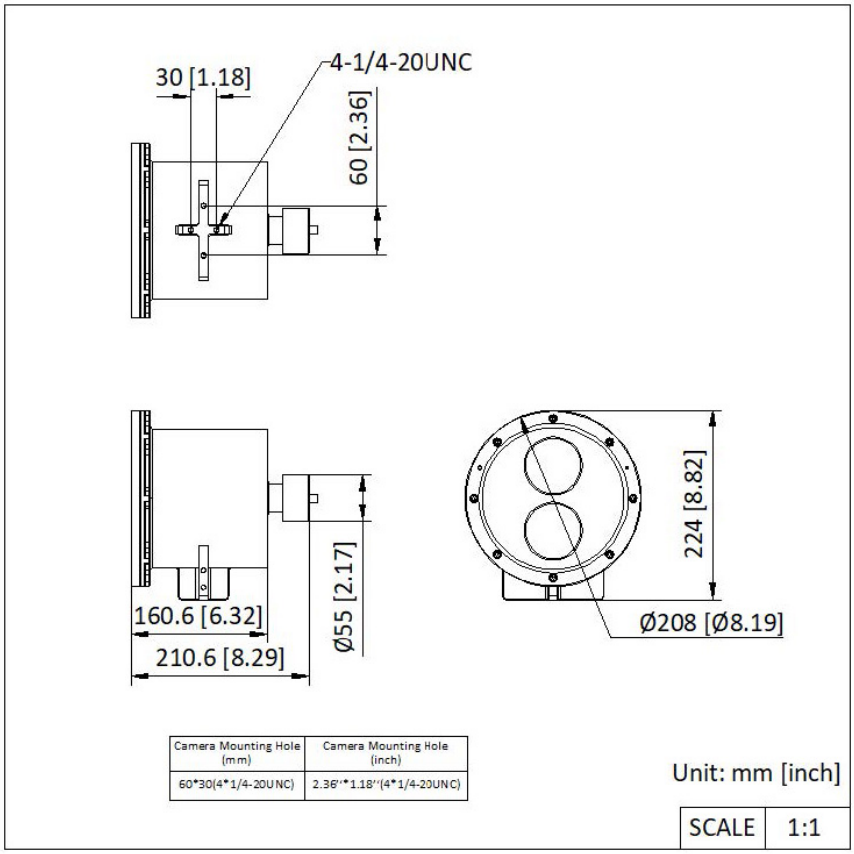
Its supports H.265+/H.265/H.264+/H.264 encoding which is an efficient compression technology that saves storage space and reduces bandwidth requirements. It comes with DarkFighter technology that enables the capture of high quality color images in even the dimmest lighting environments. Additionally, the camera features True WDR technology with a WDR of 120 dB providing clear imaging even with strong back lighting.

Technical Dimensions

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Specifications

CAMERA	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2560 × 1440
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, 2.8 to 12 mm
Focal Length & FOV	2.8 to 12 mm, horizontal FOV 70.1° to 29.7°, vertical FOV 38.7° to 16.8°, diagonal FOV 81.2° to 34.0°
Aperture	F1.4

DORI	
DORI	Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m
	Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.2 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

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VIDEO

Main Stream	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
	60 Hz: 30 fps (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
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	5 fixed regions for main stream and sub-stream
Target Cropping	Yes

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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 levels: Administrator, Operator, 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, AGC, and white balance 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

INTERFACE

Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 128 GB

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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

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
Dimensions	210.6 mm × 208 mm × 224 mm
Package Dimensions	700 mm × 530 mm × 365 mm
Weight	Approx. 13.47 kg
With Package Weight	Approx. 17.38 kg
Startup and Operating Conditions	-10 °C to 60 °C. 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	50 m (included)

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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 50 m underwater)

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