

Ds-2XC6245G0-L 4 MP Underwater Varifocal Camera Image

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DS-2XC6245G0-L 4 MP Varifocal Underwater Camera

Underwater Varifocal Camera

- ✓ 316L Stainless Steel enclosure
- ✓ 3- 9mm 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 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. It has a supplemental white light with a range of up to 10m.

DS-2XC6245G0-L 4 MP Varifocal Underwater Camera

It has a 1/1.8" Progressive Scan CMOS image sensor and a maximum resolution of 2688 x 1520. Additionally, it features a 3 to 9 mm varifocal lens and supports up to 6 simultaneous live view channels. The network can support up to 32 users with 3 levels of administration (user, operator, and administrator).

It 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



Specifications

CAMERA

Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.001 Lux @ (F1.0, AGC ON), B/W: 0 Lux with Light
Shutter Time	1/3 s to 1/100,000 s

LENS

Lens Type	Varifocal lens, 3 to 9 mm
Focal Length & FOV	3 to 9 mm, horizontal FOV 87° to 45.8°, vertical FOV 46° to 25.6°, diagonal FOV 104° to 52.4°
Aperture	F1.0

DORI

DORI	Wide: D: 55.2 m, O: 21.9 m, R: 11.0 m, I: 5.5 m
	Tele: D: 124.1 m, O: 49.3 m, R: 24.8 m, I: 12.4 m

ILLUMINATOR

Supplement Light Type	White Light
Supplement Light Range	Up to 10 m

VIDEO

Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
	60 Hz: 30 fps (2688 × 1520, 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: 1 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
	60 Hz: 1 fps (1920 × 1080, 1280 × 720, 640 × 480, 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)	5 fixed regions for each stream
Target Cropping	Yes

NETWORK

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
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface, ISAPI, ISUP 5.0
User/Host	Up to 32 users
	3 levels: Administrator, Operator, User
Network Storage	NAS (NFS, SMB/CIFS), ANR
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE10, IE11
	Local service: Chrome 57.0+, Firefox 52.0+

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
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

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 Scene change detection, unattended baggage detection, object removal detection

GENERAL

Power	36 VDC ± 20%, 0.6 A, max. 17 W, two-core terminal block
	PoE (802.3.at, Class 3, 42.5 V to 57 V), 0.45 A to 0.3 A, 17 W
Material	SUS 316L Metal
Dimensions	210 mm × 210 mm × 205 mm
Package Dimensions	700 mm × 530 mm × 365 mm
Weight	Approx. 12 kg
With Package Weight	Approx. 16 kg
Startup and Operating Conditions	-30 °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	Heartbeat, password protection, privacy mask, watermark, IP address filter, mirror
Cable Length	50 m (included)

APPROVAL

EMC	FCC: FCC-SDoC (ANSI C63.4, FCC Part15 sub B)
	CE: CE-EMC (EN 50130-4:2011+A1:2014, EN 55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013)
	RCM: AS/NZS 60950.1:2003 + Am1, Am2 and Am3, AS/NZS CISPR 32:2015
	IC: IC-VoC (ICES-003 Issue 7:2020)
	KC: KN 301489-1, KN 301489-17, RRA NOTICE 2017-14(2017.12.05), RRA NOTICE 2017-19 (2017.12.28)
Safety	UL: UL 62368-1: 2014, CAN/CSA C22.2 No. 62368:2014
	CB: IEC 62368-1:2014
	BIS: IS 13252 (Part 1) 2010+A1:2013+A2:2015
	LOA: SANS IEC60950-1
Protection	IP68 (IEC 60529-2013)