DS-2XC6745G0-IZHS
316L 4MP Anti-Corrosion Vari-focal Dome

IP68 | **WDR** |

- 316L stainless steel enclosure, protecting cameras to be used in corrosive environments, providing reliability and longevity compared to standard cameras
- A built-in heater allows for start-up in ultra-low temperatures to -40 °C
- Water and dust resistant (IP68) and vandal resistant (IK10)
- DarkFighter technology enables the capture of high quality color images in even the dimmest lighting environments

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.002 Lux @ (F1.4, AGC ON), B/W: 0.001 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Focal Length & FOV	2.8 to 12 mm, horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV 141.3° to 48.1°
Aperture	Max. F1.3
DORI	
DORI	Wide: D: 60 m, O: 23.8 m, R: 12 m, I: 6 m Tele: D: 149.0 m, O: 59.1 m, R: 29.8 m, I: 14.9 m
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 50 m
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 704 × 576) 60 Hz: 30 fps (640 × 480, 704 × 480)
Third Stream	Independent with Main Stream and Sub Stream, up to: 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 640 × 480, 704 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 640 × 480, 704 × 480)
Video Compression	H.264/H.265/MJPEG
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.264 and H.265 encoding
Region of Interest (ROI)	5 fixed regions for each stream
Target Cropping	Yes
Audio	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC/MP3
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)/8 to 160 Kbps (MP3)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets

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-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200,Hik-Connect
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 12+, Local service: Chrome 57.0+, Firefox 52.0+
Image	
Image Parameters Switch	Yes
Image Settings	Rotate mode,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by client software or web browser
Day/Night Switch	Day,Night,Auto,Schedule,Alarm Trigger,Video Trigger
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Image Enhancement	BLC,HLC,3D DNR,Defog
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.
Interface	
Video Output	1 Vp-p Composite Output (75 Ω/CVBS) (Only for debugging)
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 256 GB
Audio	1 input (line in), 1 output (line out)
Alarm	1 input, 1 output (max. 24 VDC, 1 A/110 VAC, 500 mA)
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	Yes
Event	
Basic Event	Motion detection,video tampering alarm,alarm input and output,exception
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), unattended baggage detection,object removal detection, scene change detection,audio exception detection,defocus detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,audible warning
General	
Power	12 VDC ± 10%, 1 A, max. 10 W, 24 VAC ± 10%, 0.7 A, max. 10 W, PoE: IEEE 802.3af, Class 3
Material	316L and anti-corrosion coating

Dimension	Ø166.7 mm × 133.2 mm (Ø6.6" × 5.2")
Package Dimension	245 mm × 215 mm × 230 mm (9.6" × 8.5" × 9.1")
Weight	Approx. 3995 g (8.8 lb.)
With Package Weight	Approx. 4944 g (10.9 lb.)
Storage Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	32 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)
General Function	Heartbeat,mirror,flash log,password reset via email,password protection,one-key reset
Heater	Yes
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, CE-LVD: EN 62368-1: 2014/A11: 2017, UKCA: EN 62368-1: 2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU
Protection	IK10:IEC 62262:2002,IP68:IEC 60529-2013
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)

▪ 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.
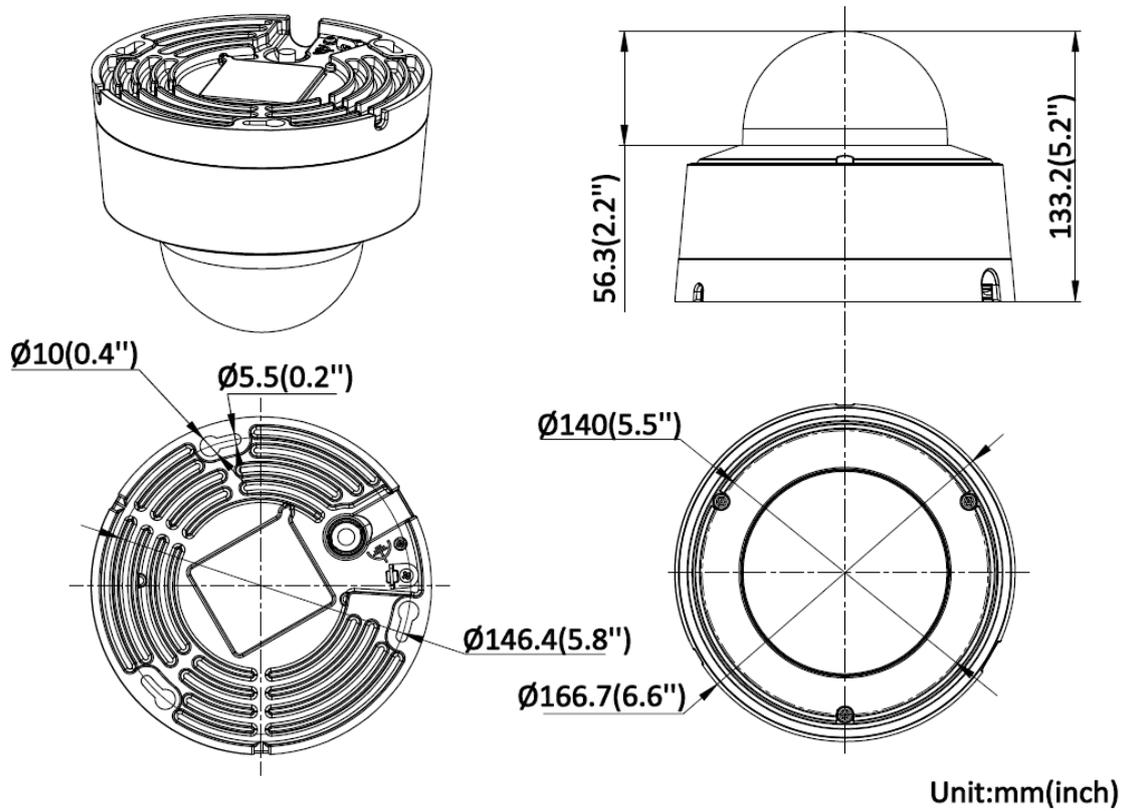
This model has TOP-LEVEL PROTECTION.

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

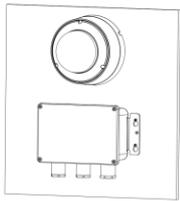DS-2XC6745G0-IZHS(2.8-12mm)

▪**Dimension**

Ø10(0.4")
Ø5.5(0.2")
Ø140(5.5")
Ø146.4(5.8")
Ø166.7(6.6")
56.3(2.2")
133.2(5.2")

Unit:mm(inch)

▪ **Accessory**

▪ **Optional**

DS-1284ZJ-M-AC3(OS)	DS-1703ZJ-AC3(OS)

▪ **Installation Methods**

Junction Box DS-1284ZJ-M-AC3(OS)	Wall Mounting DS-1703ZJ-AC3(OS)

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