DS-2XV6445G0-Y
4 MP Gantry Crane Fixed Anti-Corrosion Network Camera

- High quality imaging with 4 MP resolution

- High shock resistance with up to 50,000 times of 50 g vibration shock

- Low latency with a minimum delay time of 80 ms

- Water and dust resistant (IP68)

- Supports 12 VDC power input and Power over Ethernet (PoE) technology

▪ Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON)
Angle Adjustment	Pan: -20° to 20°,tilt: -20° to 20°,rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 104.9°, vertical FOV 58.2°, diagonal FOV 123.0° 4 mm, horizontal FOV 79.6°, vertical FOV 43.7°, diagonal FOV 93.8°
Iris Type	Fixed
Depth of Field	2.8 mm: 0.53 to 9.97 m 4 mm: 0.74 to 3.1 m
Video	
Main Stream	50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) *High frame rate is supported under certain settings.
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.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream and sub-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, SSL/TLS, WebSocket, WebSockets
API	Open Network Video Interface (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, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR)
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
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 50 dB
Image Enhancement	BLC,HLC,3D DNR,Defog
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	scene change detection,defocus detection, unattended baggage detection,object removal detection
Linkage	Upload to FTP/NAS,notify surveillance center,send email,trigger recording,trigger capture
Deep Learning Function	
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
General	
Power	12 VDC ± 20%, 0.4 A, max. 5 W, PoE: IEEE 802.3af, Class 3, max. 5 W
Material	Metal
Dimension	130 mm × 100 mm × 74.8 mm (5.12" × 3.94" × 2.94")
Package Dimension	245 mm × 195 mm × 205 mm (9.65" × 7.68" × 8.07")
Weight	Approx. 0.755 kg (1.66 lb.)
With Package Weight	Approx. 2.134 kg (4.7 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	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
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
Safety	CE-LVD: EN 62368-1:2014/A11: 2017, CB: IEC 62368-1:2014+A11
Protection	IP68:IEC 60529-2013

Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018),C5

▪ 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.
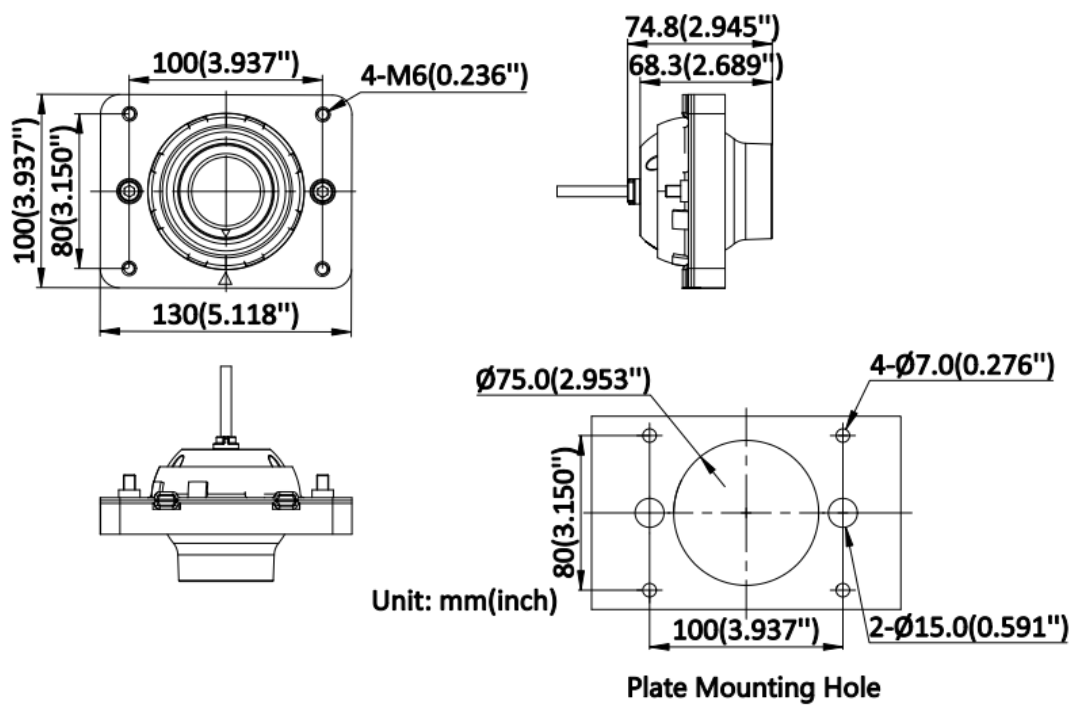
This model has TOP-LEVEL SPECIFIC PROTECTION.

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-2XV6445G0-Y(2.8mm)
DS-2XV6445G0-Y(4mm)

▪ Dimension

100(3.937") 4-M6(0.236")

100(3.937")
80(3.150")

130(5.118")

74.8(2.945")
68.3(2.689")

Ø75.0(2.953") 4-Ø7.0(0.276")

80(3.150")

Unit: mm(inch)

100(3.937") 2-Ø15.0(0.591")

Plate Mounting Hole

Camera Mounting Hole (mm)	Camera Mounting Hole (inch)
Double Gang(4*M6)	Double Gang(4*φ0.236")

See Far, Go Further

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