

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



- High quality imaging with 4 MP resolution
- 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°<br>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<br>4 mm: 0.74 to 3.1 m                                                                                                                                                                                                                                                                                                                                 |
| Video                       |                                                                                                                                                                                                                                                                                                                                                                               |
| Main Stream                 | 50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)<br>*High frame rate is supported under certain settings.                                                                                                                                                                               |
| Sub-Stream                  | 50 Hz: 25 fps (704 × 576, 640 × 480)<br>60 Hz: 30 fps (704 × 480, 640 × 480)                                                                                                                                                                                                                                                                                                  |
| Third Stream                | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)<br>60 Hz: 10 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)                                                                                                                                                                                                                                                |
| Video Compression           | Main stream: H.265/H.264 /H.265+/H.264+,<br>Sub-stream: H.265/H.264/MJPEG,<br>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<br>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,<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+,<br>Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+                                                                                                                                                                       |
| <b>Image</b>                     |                                                                                                                                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                                                                                                                                                  |
| <b>Interface</b>                 |                                                                                                                                                                                                                                                                                                                                                       |
| Ethernet Interface               | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                                                                                                                                                                                                         |
| <b>Event</b>                     |                                                                                                                                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                                                                             |
| <b>Deep Learning Function</b>    |                                                                                                                                                                                                                                                                                                                                                       |
| Perimeter Protection             | Line crossing,intrusion,region entrance, region exiting<br>Support alarm triggering by specified target types (human and vehicle)                                                                                                                                                                                                                     |
| <b>General</b>                   |                                                                                                                                                                                                                                                                                                                                                       |
| Power                            | 12 VDC ± 20%, 0.4 A, max. 5 W,<br>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                                                                                                                                                                                                                                                                                                                                                   |
| <b>Approval</b>                  |                                                                                                                                                                                                                                                                                                                                                       |
| 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,<br>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.

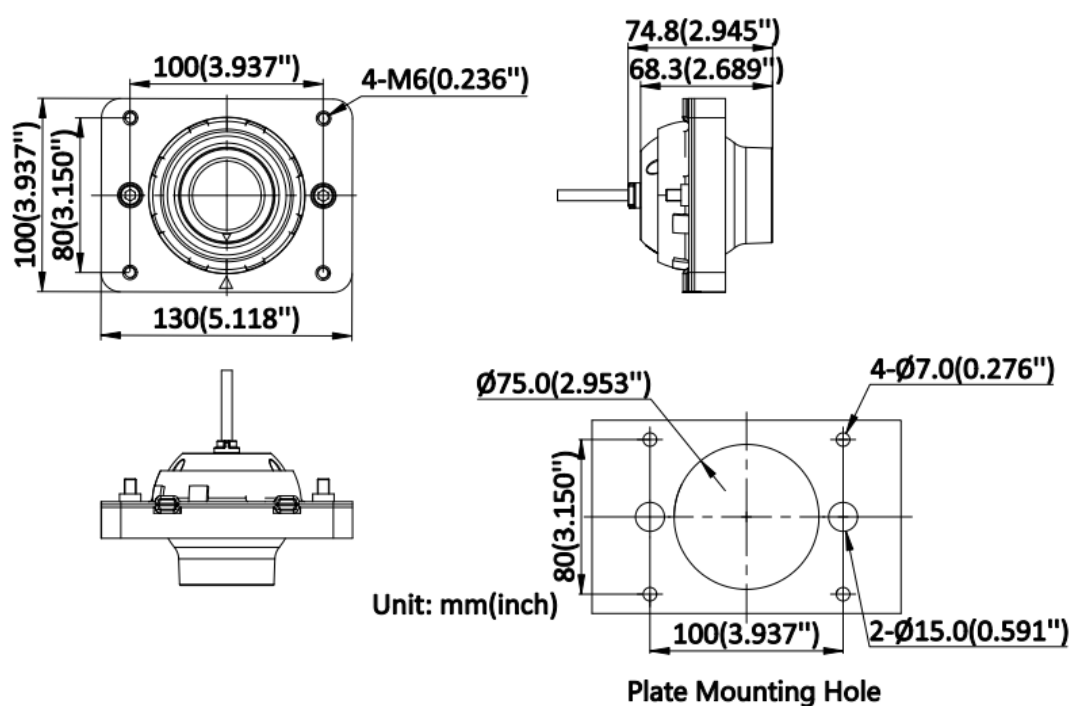
| Level                  | Description                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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



| Camera Mounting Hole<br>(mm) | Camera Mounting Hole<br>(inch)           |
|------------------------------|------------------------------------------|
| Double Gang(4*M6)            | Double<br>Gang(4* $\varnothing 0.236"$ ) |

# See Far, Go Further



[www.hikvision.com](http://www.hikvision.com)  
[support@hikvision.com](mailto:support@hikvision.com)

