

# DS-2GN5780-HH 4 MP ColorVu Fixed Bullet Network Camera















Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses and high performance sensors. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- High quality imaging with 4 MP resolution
- Excellent low-light performance
- Efficient H.265+ compression technology
- Water and dust resistant (IP67)
- 24/7 colorful imaging
- Support Human and Vehicle Detection



# Specification

| Camera                      |  |
|-----------------------------|--|
| Image Sensor                | 1/3" Progressive Scan CMOS   |
| Max. Resolution             | 2560 × 1440  |
| Min. Illumination           | Color: 0.001 Lux @ (F1.0, AGC ON), 0 Lux with light  |
| Shutter Time                | 1/3 s to 1/100,000 s   |
| Day & Night                 | 24/7 color imaging   |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°   |
| Lens                        |  |
| Lens Type                   | Fixed focal lens, 2.8 and 4 mm optional  |
|                             | 2.8 mm, horizontal FOV 96°, vertical FOV 52°, diagonal FOV 113°  |
| Focal Length & FOV          | 4 mm, horizontal FOV 76°, vertical FOV 41°, diagonal FOV 89°   |
| Lens Mount                  | M12  |
| Iris Type                   | Fixed  |
| Aperture                    | F1.0   |
| DORI                        |  |
| D O DI                      | 2.8 mm: D: 64 m, O: 25 m, R: 12 m, I: 6 m  |
| DORI                        | 4 mm: D: 82 m, O: 32 m, R: 16 m, I: 8 m  |
| Illuminator                 |  |
| Supplement Light Type       | White Light  |
| Supplement Light Range      | Up to 30 m   |
| Smart Supplement Light      | Yes  |
| Video                       |  |
| Main Stream                 | 50 Hz:<br>20 fps (2560 × 1440),<br>25 fps (1920 × 1080, 1280 × 720)<br>60 Hz:<br>20 fps (2560 × 1440),<br>30 fps (1920 × 1080, 1280 × 720) |
| Sub-Stream                  | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)                                       |
| Third Stream                | 50 Hz: 1 fps (640 × 360)<br>60 Hz: 1 fps (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  |
| Н.264 Туре                  | Baseline Profile/Main Profile/High Profile   |
| H.265 Type                  | Main Profile   |
| Bit Rate Control            | CBR/VBR  |
| Region of Interest (ROI)    | 1 fixed region for main stream and sub stream  |
| Audio                       |  |
| Audio Type                  | Mono sound   |
| Environment Noise Filtering | Yes  |
| Audio Sampling Rate         | 8 kHz/16 kHz   |
| Audio Compression           | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC   |



| Network  Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)  Simultaneous Live View Up to 6 channels  API Open Network Video Interface (Profile S, Profile T, Profile G), ISAPI, SDK  TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPV6, UDP, QoS, FTP, SMTP, HTTPS, DDNS, UPnP, 802.1X  Up to 32 users 3 user levels: administrator, operator, and user  Client IVMS-4200, Hik-Connect  Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+  Image  Wide Dynamic Range (WDR) 120 dB  SNR ≥ 52 dB  Day/Night Switch Day, Night, Auto, Schedule  Image Enhancement BLC, HLC, 3D DNR  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser  Privacy Mask 4 programmable polygon privacy masks  Interface  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 G  Built-in Microphone Yes  Reset Key Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  |                          |   |
|---|--------------------------|---|
| Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MDS), watermark, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)  Simultaneous Live View Up to 6 channels  API Open Network Video Interface (Profile S, Profile T, Profile G), ISAPI, SDK  TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP, HTTPS, DDNS, UPRP, 802.1X  User/Host Up to 32 users 3 user levels: administrator, operator, and user  Client i/MS-4200, Hik-Connect  Web Browser Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+  Image  Wide Dynamic Range (WDR) 120 dB  SNR 2 52 dB  Day/Night Switch Day, Night, Auto, Schedule  Image Enhancement BLC, HLC, 3D DNR  Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser  Privacy Mask 4 programmable polygon privacy masks  Interface  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  Built-in Microphone Yes  Reset Key Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event Line crossing detection, intrusion detection  Line crossing detection, intrusion detection  Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension 97.6 cm mx 16.4 mm (93 ** 6.5")  Package Dimension 234 mm x 120 mm x 117 mm (9.2* 4.7" x 4.6")  Weight Approx. 420 g (0.9 lb.)  With Package Weight Approx. 668 g (1.5 lb.)  Storage Conditions   | Audio Bit Rate           | 64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to                     |
| Password protection, complicated password, HTTPS encryption, 802.1X authenticatio (EAP-MD5), watermark, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)  Simultaneous Live View Up to 6 channels API Open Network Video Interface (Profile S, Profile T, Profile G), ISAPI, SDK TCP/IP, EMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP, HTTPS, DDNS, UPnP, 802.1X  User/Host Up to 32 users 3 user levels: administrator, operator, and user  Client IMMS-420, HIK-Connect  Web Browser Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+  Image Wide Dynamic Range (WDR) 120 dB SNR 2 52 dB SNR 2 52 dB SNR 2 52 dB SNR 2 52 dB SNR 3 52 dB SNR 4 10, 30 DNR Image Enhancement BLC, HLC, 30 DNR Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser  Privacy Mask 4 programmable polygon privacy masks  Interface  Eithernet Interface 1 R 1845 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 Built-in Microphone Yes Reset Key Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event Line crossing detection, intrusion detection Linkage Upload to TFP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension 976.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight Approx. 420 g (0.9 lb.)  With Package Weight Approx. 688 g (1.5 lb.)  Storage Conditions -30 °C to 60 °C (-22 "F to 140 °F). Humidity 95% or less (non-condensing) | Network                  | 100 Kbps (NIF2L2)/ 10 to 04 Kbps (AAC-LC)   |
| API Open Network Video Interface (Profile S, Profile T, Profile G), ISAPI, SDK TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FIP, SMTP, HTTPS, DDNS, UPPP, 802.1X User/Host Up to 32 users 3 user levels: administrator, operator, and user Client IVMS-4200, Hik-Connect Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+ Image Wide Dynamic Range (WDR) 120 dB SNR ≥ 52 dB Day/Night Switch Day, Night, Auto, Schedule Image Enhancement BLC, HLC, 3D DNR Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser Privacy Mask 4 programmable polygon privacy masks Interface Ethernet Interface 1 R145 10 M/100 M self-adaptive Ethernet port On-Board Storage Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 G Built-in Microphone Yes Reset Key Yes Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception Smart Event Line crossing detection, intrusion detection Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power 21 VPC± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, Pof. 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W Dimension Ø76.6 mm x 16.4 mm (Ø3" x 6.5") Package Dimension 234 mm x 120 mm x 117 mm (9.2" x 4.7" x 4.6") Weight Approx. 68 g (1.5 lb.) Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) Startup and Operating Conditions   | Security                 | digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS,                          |
| Protocols  TCP/IP, ICMP, DHCP, DNS, HTTP, RTSP, NTP, IGMP, IPV6, UDP, QoS, FTP, SMTP, HTTPS, DDNS, UPnP, 802.1X  Up to 32 users 3 user levels: administrator, operator, and user  Client IVMS-4200, Hik-Connect  Web Browser Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+  Image  Wide Dynamic Range (WDR) 120 dB  SNR ≥ 52 dB  Day/Night Switch Day, Night, Auto, Schedule  Image Enhancement BLC, HLC, 3D DNR  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser  Privacy Mask 4 programmable polygon privacy masks  Interface  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  Built-in Microphone Yes  Reset Key Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event Line crossing detection, intrusion detection  Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power 22 VDC ± 25%, 0.4 A, max. 5 W, Ø 5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension Ø 76.6 mm × 164.4 mm (Ø 3** x 6.5**)  Package Dimension 234 mm × 120 mm × 117 mm (9.2** x 4.7** x 4.6**)  Weight Approx. 420 g (0.9 lb.)  With Package Weight Approx. 668 g (1.5 lb.)  Storage Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   | Simultaneous Live View   | Up to 6 channels  |
| HTTPS, DDNS, UPnP, 802.1X  User/Host  User Administrator, operator, and user  Client  IVMS-4200, Hik-Connect  Web Browser  Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+  Image  Wide Dynamic Range (WDR)  120 dB  SNR  2 52 dB  Day/Night Switch  Day, Night, Auto, Schedule  Image Enhancement  BLC, HLC, 3D DNR  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser  Privacy Mask  1 4 programmable polygon privacy masks  Interface  Ethernet Interface  1 R145 10 M/100 M self-adaptive Ethernet port  On-Board Storage  Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 G  Built-in Microphone  Yes  Reset Key  Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event  Linkage  Motion detection intrusion detection  Linkage  Tupload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power  Poe: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension  Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension  234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight  Approx. 668 g (1.5 lb.)  Storage Conditions  30 "C to 60 "C (-22 "F to 140 "F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions  | API                      | Open Network Video Interface (Profile S, Profile T, Profile G), ISAPI, SDK                            |
| User/Host 3 user levels: administrator, operator, and user Client iVMS-4200, Hik-Connect Web Browser Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+  Image Wide Dynamic Range (WDR) 120 dB SNR 2 52 dB Day/Night Switch Day, Night, Auto, Schedule Image Enhancement BLC, HLC, 3D DNR Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser Privacy Mask 4 programmable polygon privacy masks Interface 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 G Built-in Microphone Reset Key Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception Smart Event Linkage  Motion detection intrusion detection Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power Dimension 976.6 mm × 164.4 mm (Ø3" × 6.5") Package Dimension 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6") Weight Approx. 420 g (9.9 lb.) With Package Weight Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) Startup and Operating Conditions   | Protocols                |   |
| Plug-in required live view: IE 10, IE 11   Local service: Chrome 57.0+, Firefox 52.0+   | User/Host                |   |
| Image   | Client                   | iVMS-4200, Hik-Connect  |
| Wide Dynamic Range (WDR)       120 dB         SNR       ≥ 52 dB         Day/Night Switch       Day, Night, Auto, Schedule         Image Enhancement       BLC, HLC, 3D DNR         Image Settings       Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser         Privacy Mask       4 programmable polygon privacy masks         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 G         Built-in Microphone       Yes         Reset Key       Yes         Event       Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception         Smart Event       Line crossing detection, intrusion detection         Linkage       Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture         General       12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W         Dimension       Ø76.6 mm × 164.4 mm (Ø3" × 6.5")         Package Dimension       234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")         Weight       Approx. 420 g (0.9 lb.)         With Package Weight       Approx. 668 g (1.5 lb.)         Storage Condition  | Web Browser              |   |
| SNR ≥ 52 dB  Day/Night Switch Day, Night, Auto, Schedule  Image Enhancement BLC, HLC, 3D DNR  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser  Privacy Mask 4 programmable polygon privacy masks  Interface  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 G  Built-in Microphone Yes  Reset Key Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event Line crossing detection, intrusion detection  Linkage Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight Approx. 420 g (0.9 lb.)  With Package Weight Approx. 668 g (1.5 lb.)  Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions   | Image                    |   |
| Day, Night, Auto, Schedule Image Enhancement BLC, HLC, 3D DNR Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser Privacy Mask 4 programmable polygon privacy masks Interface Ethernet Interface 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 G Built-in Microphone Yes Reset Key Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event Line crossing detection, intrusion detection Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension Ø76.6 mm × 164.4 mm (Ø3" × 6.5") Package Dimension 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6") Weight Approx. 420 g (0.9 lb.) With Package Weight Approx. 668 g (1.5 lb.) Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  | Wide Dynamic Range (WDR) | 120 dB  |
| Image Enhancement  BLC, HLC, 3D DNR  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser  Privacy Mask  4 programmable polygon privacy masks  Interface  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 G  Built-in Microphone  Yes  Reset Key  Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event  Line crossing detection, intrusion detection  Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension  Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension  Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension  234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight  Approx. 420 g (0.9 lb.)  With Package Weight  Approx. 668 g (1.5 lb.)  Storage Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions   | SNR                      | ≥ 52 dB   |
| Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser  Privacy Mask 4 programmable polygon privacy masks  Interface  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 G Built-in Microphone Yes  Reset Key Yes  Event  Basic Event Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event Line crossing detection, intrusion detection  Linkage trigger capture  General  Power 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight Approx. 420 g (0.9 lb.)  With Package Weight Approx. 668 g (1.5 lb.)  Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions  | Day/Night Switch         | Day, Night, Auto, Schedule  |
| Image Settings adjustable by client software or web browser  Privacy Mask 4 programmable polygon privacy masks  Interface  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 G Built-in Microphone Yes Reset Key Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event Line crossing detection, intrusion detection Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight Approx. 420 g (0.9 lb.)  With Package Weight Approx. 668 g (1.5 lb.)  Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions   | Image Enhancement        | BLC, HLC, 3D DNR  |
| Interface  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 G  Built-in Microphone  Yes  Reset Key  Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event  Line crossing detection, intrusion detection  Linkage  Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension  Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension  Ø76.6 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight  Approx. 420 g (0.9 lb.)  With Package Weight  Approx. 668 g (1.5 lb.)  Storage Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Conditions   | Image Settings           |   |
| 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 G Built-in Microphone Yes  Reset Key Yes  Event  Basic Event Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event Line crossing detection, intrusion detection  Linkage Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight Approx. 420 g (0.9 lb.)  With Package Weight Approx. 668 g (1.5 lb.)  Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Conditions   | Privacy Mask             | 4 programmable polygon privacy masks  |
| On-Board Storage  Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 G  Built-in Microphone  Yes  Reset Key  Yes  Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event  Line crossing detection, intrusion detection  Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension  Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension  234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight  Approx. 420 g (0.9 lb.)  With Package Weight  Approx. 668 g (1.5 lb.)  Storage Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Conditions  | Interface                |   |
| Built-in Microphone Yes  Reset Key Yes  Fvent  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event Line crossing detection, intrusion detection  Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight Approx. 420 g (0.9 lb.)  With Package Weight Approx. 668 g (1.5 lb.)  Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions   | Ethernet Interface       | 1 RJ45 10 M/100 M self-adaptive Ethernet port   |
| Reset KeyYesEventMotion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exceptionSmart EventLine crossing detection, intrusion detectionLinkageUpload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger captureGeneral12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 WDimensionØ76.6 mm × 164.4 mm (Ø3" × 6.5")Package Dimension234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")WeightApprox. 420 g (0.9 lb.)With Package WeightApprox. 668 g (1.5 lb.)Storage Conditions-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)Startup and Operating Conditions-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   | On-Board Storage         | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 G                      |
| Basic Event  Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception  Smart Event  Line crossing detection, intrusion detection  Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension  Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension  234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight  Approx. 420 g (0.9 lb.)  With Package Weight  Approx. 668 g (1.5 lb.)  Storage Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Conditions  | Built-in Microphone      | Yes   |
| Basic EventMotion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exceptionSmart EventLine crossing detection, intrusion detectionLinkageUpload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger captureGeneral12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 WDimensionØ76.6 mm × 164.4 mm (Ø3" × 6.5")Package Dimension234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")WeightApprox. 420 g (0.9 lb.)With Package WeightApprox. 668 g (1.5 lb.)Storage Conditions-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)Startup and Operating Conditions-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   | Reset Key                | Yes   |
| Basic Eventvehicle)), video tampering alarm, exceptionSmart EventLine crossing detection, intrusion detectionLinkageUpload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger captureGeneral12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 WDimensionØ76.6 mm × 164.4 mm (Ø3" × 6.5")Package Dimension234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")WeightApprox. 420 g (0.9 lb.)With Package WeightApprox. 668 g (1.5 lb.)Storage Conditions-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)Startup and Operating Conditions-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   | Event                    |   |
| Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture  General  Power  12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension  Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension  234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight  Approx. 420 g (0.9 lb.)  With Package Weight  Approx. 668 g (1.5 lb.)  Storage Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions   | Basic Event              |   |
| General  Power  | Smart Event              | Line crossing detection, intrusion detection  |
| Power 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight Approx. 420 g (0.9 lb.)  With Package Weight Approx. 668 g (1.5 lb.)  Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions   | Linkage                  | Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture |
| PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W  Dimension Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  Package Dimension 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight Approx. 420 g (0.9 lb.)  With Package Weight Approx. 668 g (1.5 lb.)  Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions  | General                  |   |
| Package Dimension  234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")  Weight  Approx. 420 g (0.9 lb.)  With Package Weight  Approx. 668 g (1.5 lb.)  Storage Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   | Power                    |   |
| Weight Approx. 420 g (0.9 lb.)  With Package Weight Approx. 668 g (1.5 lb.)  Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   | Dimension                | Ø76.6 mm × 164.4 mm (Ø3" × 6.5")  |
| With Package Weight  Approx. 668 g (1.5 lb.)  Storage Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  | Package Dimension        | 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")   |
| Storage Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  Startup and Operating Conditions -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)  | Weight                   | Approx. 420 g (0.9 lb.)   |
| Startup and Operating Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   | With Package Weight      | Approx. 668 g (1.5 lb.)   |
| Conditions  -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)   | Storage Conditions       | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                             |
| Language English, Ukrainian   | · · · · -                | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                             |
|   | Language                 | English, Ukrainian  |



| General Function | Heartbeat, anti-banding, mirror, password protection, password reset via email, pixel counter |
|------------------|---|
| Approval         |   |
| EMC              | FCC: 47 CFR Part 15, Subpart B  |
| Safety           | CB: IEC 62368-1: 2014+A11,<br>CE-LVD: EN 62368-1: 2014/A11: 2017,                             |
|                  | BIS: IS 13252 (Part 1): 2010/ IEC 60950-1: 2005   |
| Environment      | CE-RoHS: 2011/65/EU   |
| Protection       | IP67: IEC 60529-2013  |

## 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.

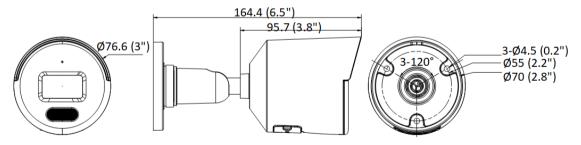
This model has NO SPECIFIC PROTECTION.

| 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-2GN5780-HH (2.8/4 mm)

### Dimension



Unit: mm (inch)



- Accessory
- Optional



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