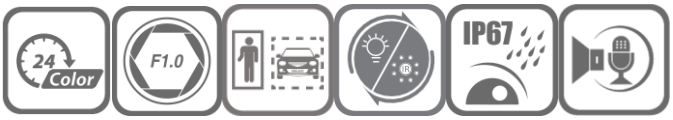
HiWatch™

# HWI-B169HAA-LU(F)(/SL)(/SRB)
# 6 MP ColorVu 3.0 Fixed Bullet Network Camera

ColorVu 3.0






- HikAI-ISP for excellent noise reduction effect
- Super clear 24/7 colorful imaging with ColorVu 3.0 technology
- Motion Detection 3.0, more accurate on person and vehicle classification
- Smart Hybrid Light: integrates IR and white lights, 3 supplemental lighting modes
- /SL/SRB: Provide real-time security via built-in two-way audio and strobe light alarm
- -F: Support on-board storage up to 512 GB (SD card slot) (Optional)

## ▪ Specification

| | |
|---|---|
| **Camera** | |
| Image Sensor | 1/2.4" Progressive Scan CMOS |
| Max. Resolution | 3200 × 1800 |
| Min. Illumination | Color: 0.0005 Lux @ (F1.0, AGC ON),0 Lux with light |
| Shutter Time | 1 s to 1/100,000 s |
| Day & Night | IR cut filter |
| Angle Adjustment | Pan: 0° to 355°,tilt: 0° to 90°,rotate: 0° to 355° |
| **Lens** | |
| Lens Type | Fixed focal lens, 2.8 and 4 mm optional |
| Focal Length & FOV | 2.8 mm, horizontal FOV 109°, vertical FOV 60°, diagonal FOV 130°<br>4 mm, horizontal FOV 89°, vertical FOV 49°, diagonal FOV 105° |
| Lens Mount | M12 |
| Iris Type | Fixed |
| Aperture | F1.0 |
| Depth of Field | 2.8 mm: 1.9 m to ∞<br>4 mm: 2.4 m to ∞ |
| **DORI** | |
| DORI | 2.8 mm, D: 68 m, O: 27 m, R: 13 m, I: 6 m<br>4 mm, D: 83 m, O: 33 m, R: 16 m, I: 8 m |
| **Illuminator** | |
| Supplement Light Type | IR,White Light |
| Supplement Light Range | Up to 30 m |
| Smart Supplement Light | Yes |
| IR Wavelength | 850 nm |
| **Video** | |
| Main Stream | 50 Hz:<br>20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz:<br>20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264,<br>Sub-stream: H.265/H.264/MJPEG |
| Video Bit Rate | 32 Kbps to 16 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 |
| **Audio** | |
| Audio Type | Mono sound |
| Audio Compression | G.711ulaw/G.711alaw/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) |
| Audio Sampling Rate | 8 kHz/16 kHz |

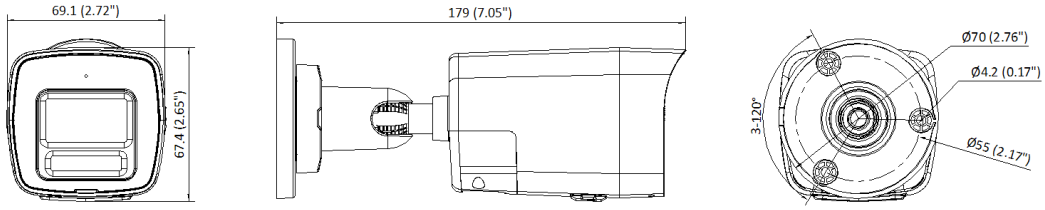
| | |
|---|---|
| Environment Noise Filtering | Yes |
| **Network** | |
| Protocols | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP |
| Simultaneous Live View | Up to 6 channels |
| API | ONVIF (Profile S, Profile G, Profile T),ISAPI,SDK |
| User/Host | Up to 32 users<br>3 user levels: administrator, operator, and user |
| Security | Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address) |
| Client | iVMS-4200,Hik-Connect |
| Web Browser | Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+ |
| **Image** | |
| 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 |
| Wide Dynamic Range (WDR) | 120 dB |
| SNR | ≥ 52 dB |
| Image Enhancement | BLC,HLC,3D DNR |
| Privacy Mask | 4 programmable polygon privacy masks |
| **Interface** | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| On-Board Storage | -LU：NA<br>-LUF/S(L)(RB)：Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB |
| Built-in Microphone | Yes,1 built-in microphone |
| Built-in Speaker | -LU: NA<br>-LUF/S(L)(RB): Max. power consumption: 1.5 W, max. sound pressure level: 10 cm: 98 dB |
| Reset Key | -LU：NA<br>-LUF/S(L)(RB)：YES |
| **Event** | |
| Basic Event | Motion detection (support alarm triggering by specified target types (person and vehicle)), video tampering alarm, exception |
| Linkage | -LUF/S(L)(RB): Upload to memory card, upload to FTP, trigger recording, notify surveillance center, send email, trigger capture -LU: Upload to FTP, notify surveillance center, send email, trigger capture |
| **General** | |
| Power | -LU: 12 VDC ± 25%, 0.59 A, max. 7.1 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 8.6 W<br>-LUF/S(L)(RB): 12 VDC ± 25%, 0.72 A, max. 8.9 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 10.5 W |

| | |
|---|---|
| Material | Front cover: metal, body: plastic, bracket: plastic |
| Dimension | -LU: 69.1 mm × 66.9 mm × 172.9 mm (2.7" × 2.6" × 6.8")<br>-LUF/S(L)(RB): 69.1 mm × 67.4 mm × 179 mm (2.7" × 2.7" × 7.1") |
| Package Dimension | 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.7") |
| Weight | -LU: Approx. 320 g (0.71 lb.)<br>-LUF/SL: Approx. 340 g (0.75 lb.)<br>-LUF/SRB: Approx. 340 g (0.75 lb.) |
| With Package Weight | -LU: Approx. 445 g (0.98 lb.)<br>-LUF/SL: Approx. 480 g (1.06 lb.)<br>-LUF/SRB: Approx. 480 g (1.06 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) |
| Language | English, Russian, Ukrainian, Arabic, Spanish, French, Portuguese, Turkish, Polish, German |
| General Function | Heartbeat,mirror,flash log,password reset via email,anti-banding,password protection |
| Flashing Light | -LU: NA<br>-LUF/SL: White Light<br>-LUF/SRB: Red and Blue Light |
| **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 | CB: IEC 62368-1:2014+A11 |
| Environment | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006 |
| Protection | IP67: IEC 60529-2013 |

## ▪ Available Model

HWI-B169HAA-LU(2.8mm)
HWI-B169HAA-LU(4mm)
HWI-B169HAA-LUF/SRB(2.8mm)
HWI-B169HAA-LUF/SRB(4mm)
HWI-B169HAA-LUF/SL(4mm)
HWI-B169HAA-LUF/SL(2.8mm)

## ▪ Dimension



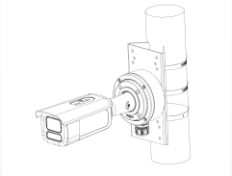
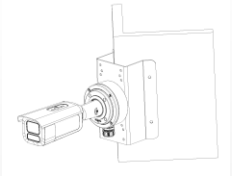
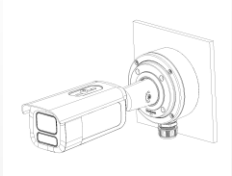

Unit: mm (inch)

## ▪ Accessory

### ▪ Optional

| DS-1275ZJ-SUS | DS-1276ZJ-SUS | DS-1280ZJ-XS |
|---|---|---|
|  |  |  |

### ▪ Installation Methods

| Vertical Pole Mounting DS-1275ZJ-SUS+DS-1280ZJ-XS | Corner Mounting DS-1276ZJ-SUS+DS-1280ZJ-XS | Junction Box DS-1280ZJ-XS |
|---|---|---|
|  |  |  |

See Far, Go Further

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HiWatch™