

## IPC-B549HAA-LU 4 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
- Water and dust resistant (IP67)
- Efficient H.265+ compression technology

## ▪ Specification

| Camera                      |                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/3" Progressive Scan CMOS                                                                                                                   |
| Max. Resolution             | 2560 × 1440                                                                                                                                  |
| 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 360°, tilt: 0° to 90°, rotate: 0° to 360°                                                                                         |
| Lens                        |                                                                                                                                              |
| Lens Type                   | Fixed focal lens, 2.8 and 4 mm optional                                                                                                      |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 95.7°, vertical FOV 51.7°, diagonal FOV 113.7°<br>4 mm, horizontal FOV 79.6°, vertical FOV 43.2°, diagonal FOV 93.2°  |
| Lens Mount                  | M12                                                                                                                                          |
| Iris Type                   | Fixed                                                                                                                                        |
| Aperture                    | F1.0                                                                                                                                         |
| Depth of Field              | 2.8 mm: 1.7 m to ∞<br>4 mm: 1.6 m to ∞                                                                                                       |
| DORI                        |                                                                                                                                              |
| DORI                        | 2.8 mm, D: 63 m, O: 25 m, R: 12 m, I: 6 m<br>4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m                                                         |
| Illuminator                 |                                                                                                                                              |
| Supplement Light Type       | IR, White Light                                                                                                                              |
| Supplement Light Range      | Up to 50 m                                                                                                                                   |
| Smart Supplement Light      | Yes                                                                                                                                          |
| IR Wavelength               | 850 nm                                                                                                                                       |
| Video                       |                                                                                                                                              |
| Main Stream                 | 50 Hz:<br>25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)<br>60 Hz:<br>24 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) |
| Sub-Stream                  | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 24 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                                                                                                                                     |
| Region of Interest (ROI)    | 1 fixed region for main stream and sub-stream                                                                                                |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding                                                                                                                     |
| Audio                       |                                                                                                                                              |
| Audio Type                  | Mono sound                                                                                                                                   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC                                                                                                     |
| 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                                                                                                                                 |

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment Noise Filtering      | Yes                                                                                                                                                                                                                    |
| <b>Network</b>                   |                                                                                                                                                                                                                        |
| Protocols                        | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP                                                                                                                             |
| Simultaneous Live View           | Up to 6 channels                                                                                                                                                                                                       |
| API                              | ONVIF (Profile S, Profile G), ISAPI, SDK                                                                                                                                                                               |
| 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) |
| User/Host                        | Up to 32 users<br>3 user levels: administrator, operator, and user                                                                                                                                                     |
| Client                           | iVMS-4200, HiLookVision                                                                                                                                                                                                |
| Web Browser                      | Plug-in required live view: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+                                                                                                                                              |
| <b>Image</b>                     |                                                                                                                                                                                                                        |
| 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 rectangular privacy masks                                                                                                                                                                               |
| <b>Interface</b>                 |                                                                                                                                                                                                                        |
| Ethernet Interface               | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                                                                          |
| Built-in Microphone              | Yes, 1 built-in microphone                                                                                                                                                                                             |
| <b>Event</b>                     |                                                                                                                                                                                                                        |
| Basic Event                      | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception                                                                                            |
| Linkage                          | Upload to FTP, notify surveillance center, send email, trigger recording, trigger capture                                                                                                                              |
| <b>General</b>                   |                                                                                                                                                                                                                        |
| Power                            | 12 VDC ± 25%, 0.54 A, max. 6.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3af, Class 3, max. 7.8 W                                                                                   |
| Material                         | Front cover: metal, body: plastic, bracket: metal                                                                                                                                                                      |
| Dimension                        | 286.1 mm × 88.09 mm × 83.38 mm (11.3" × 3.5" × 3.3")                                                                                                                                                                   |
| Package Dimension                | 386 mm × 156 mm × 155 mm (15.2" × 6.1" × 6.1")                                                                                                                                                                         |
| Weight                           | Approx. 640 g (1.4 lb.)                                                                                                                                                                                                |
| With Package Weight              | Approx. 1150 g (2.5 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)                                                                                                                                              |
| Language                         | English, Russian, Ukrainian, Arabic, Spanish, French, Portuguese, Turkish, Polish, German                                                                                                                              |
| General Function                 | Heartbeat, mirror, flash log, password reset via email, password protection, anti-banding                                                                                                                              |

| 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,<br>CE-LVD: EN 62368-1:2014/A11: 2017                                                           |
| Environment | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006                                         |
| Protection  | IP67: IEC 60529-2013                                                                                                     |

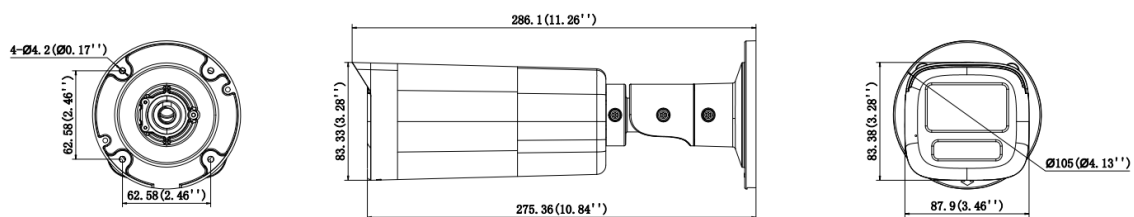
## ▪ Available Model

IPC-B549HAA-LU(2.8mm)

IPC-B549HAA-LU(4mm)

## ▪ Dimension

# SPEC



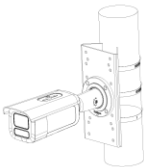
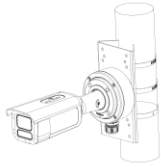
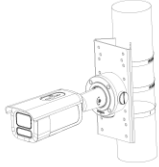
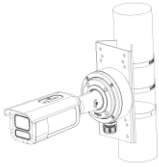
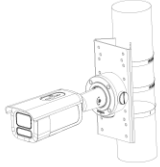
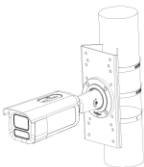
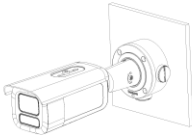
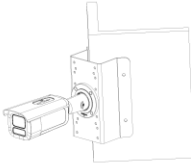
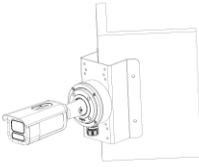
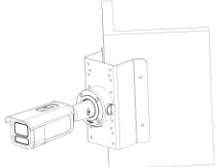
Unit: mm(inch)

## ▪ Accessory

## ▪ Optional

| DS-1275ZJ-S-SUS                                                                     | DS-1275ZJ-SUS                                                                       | DS-1260ZJ                                                                            | DS-1276ZJ-SUS                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |

## ▪ Installation Methods

| Vertical Pole Mounting<br>DS-1275ZJ-S-SUS                                         | Vertical Pole Mounting<br>DS-1275ZJ-S-SUS+DS-1280ZJ-S                             | Vertical Pole Mounting<br>DS-1275ZJ-S-SUS+DS-1260ZJ                               | Vertical Pole Mounting<br>DS-1275ZJ-SUS+DS-1280ZJ-S                                | Vertical Pole Mounting<br>DS-1275ZJ-SUS+DS-1260ZJ                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |
| Vertical Pole Mounting<br>DS-1275ZJ-SUS                                           | Junction Box<br>DS-1260ZJ                                                         | Corner Mounting<br>DS-1276ZJ-SUS                                                  | Corner Mounting<br>DS-1276ZJ-SUS+DS-1280ZJ-S                                       | Corner Mounting<br>DS-1276ZJ-SUS+DS-1260ZJ                                          |
|  |  |  |  |  |

# See Far, Go Further



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# HiLook