



HiLook IPC-B149HA

· Specification summary



Device class	4 MP ColorVu Fixed Bullet Network Camera
Image sensor	1/3-inch progressive-scan CMOS as listed; confirm the supplied camera.
Maximum resolution	2560 × 1440 as listed; do not equate the maximum resolution with every listed frame rate.
Shutter time	1/3 s to 1/100,000 s as listed; confirm exposure and motion requirements.
Minimum illumination	Colour 0.001 lux at F1.0 with AGC ON; 0 lux with light as listed. The zero-lux condition requires supplementary illumination, not colour imaging without light.
Day and night	24/7 colour imaging is the listed mode; actual images depend on ambient or supplementary light and configuration.
Angle adjustment	Pan 0° to 360°, tilt 0° to 90°, rotate 0° to 360° as listed. These are physical installation adjustments, not motorised remote PTZ.
Fixed lens choices	2.8 mm or 4 mm fixed focal lens configurations are listed. Confirm which lens is supplied; these are not a variable-zoom range.
Field of view	2.8 mm: horizontal 96°, vertical 52°, diagonal 113°; 4 mm: horizontal 75°, vertical 40°, diagonal 89°. Keep each field of view with its own fixed lens.
Lens construction	M12 mount, fixed iris and F1.0 aperture as listed; confirm the selected lens configuration.
Depth of field	2.8 mm: 2 m to infinity; 4 mm: 2.7 m to infinity, as listed; retain the lens-dependent conditions.
DORI reference	2.8 mm: detection 64 m, observation 25 m, recognition 12 m, identification 6 m; 4 mm: detection 82 m, observation 32 m, recognition 16 m, identification 8 m. Manufacturer planning references, not guaranteed identification distances on site.
Supplementary light	White light up to 30 m; smart supplementary light is listed. Confirm scene, reflections and settings; the range is not an identification guarantee.
Main stream	50 Hz: 20 fps at 2560 × 1440, or 25 fps at 1920 × 1080 or 1280 × 720; 60 Hz: 20 fps at 2560 × 1440, or 24 fps at 1920 × 1080 or 1280 × 720. Confirm frequency, resolution, recorder and codec; not simultaneous maximums for every mode.
Sub-stream	50 Hz: 25 fps at 1280 × 720, 640 × 480 or 640 × 360; 60 Hz: 24 fps at those listed resolutions. Confirm the selected stream.
Video compression	Main stream: H.265+, H.265, H.264+ or H.264; sub-stream: H.265, H.264 or MJPEG as listed. Confirm recorder/stream support; no MJPEG main-stream claim.

Bit-rate reference	32 Kbps to 8 Mbps as listed; actual bandwidth/storage depends on scene, codec and configured rate.
Profiles and ROI	H.264 Baseline, Main and High profiles; H.265 Main profile; CBR or VBR; one fixed ROI for the main stream as listed. Confirm the chosen stream settings.
Network protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP and SMTP as listed. Configure network access and security for the intended system.
Integration reference	Open Network Video Interface Profile S and Profile T, ISAPI and SDK are listed. Confirm device/firmware and recorder interoperability; this is not independent certification or universal compatibility approval.
Live view and user roles	Up to 6 simultaneous live-view channels and up to 32 users with administrator, operator and user levels are listed. These counts are different limits, not 32 simultaneous video streams.
Ethernet interface	One RJ45 10 M/100 M self-adaptive Ethernet port as listed; do not infer gigabit or a separate audio connection.
Event reference	Motion detection with alarm triggering by specified human and vehicle target types, video tampering alarm and exception are listed. Confirm setup and compatible recorder; not an accuracy guarantee.
Event linkage	FTP upload, email, surveillance-centre notification and capture triggering are listed. Configure and verify each destination; listing these functions does not mean a notification has been sent.
WDR reference	120 dB WDR as listed; confirm the scene and image configuration.
Image enhancement	BLC, HLC and 3D DNR as listed; confirm exposure, highlights and noise-reduction settings.
Privacy masks	4 programmable polygon privacy masks as listed; configure them for the intended scene.
Power reference	12 V DC $\pm 25\%$, 0.4 A, maximum 5 W, diameter 5.5 mm coaxial power plug; or PoE 802.3af Class 3, 36 V to 57 V, 0.2 A to 0.15 A, maximum 6.5 W as listed. These are separate supply modes, not loads to add together. Confirm supply sizing; no adapter or injector is assumed included.
Material	Aluminum alloy body as listed; confirm the supplied housing and installation environment.
Dimensions reference	Diameter 76.6 mm $\times$ 164.4 mm (diameter 3 in $\times$ 6.5 in) as listed. Confirm the full mounting envelope and clearance; inch values are rounded source references.
Package dimensions	234 mm $\times$ 120 mm $\times$ 117 mm (9.2 in $\times$ 4.7 in $\times$ 4.6 in) as listed; packaging may differ with the supplied version.
Weight reference	Approx. 425 g (0.9 lb.); with package approx. 633 g (1.4 lb.) as listed. The camera and packaged weights are different values; confirm the actual supplied configuration.
Operating and storage conditions	Startup/operation and storage: -30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less, non-condensing as listed. Confirm site conditions and installation protection.
Protection reference	IP67 is listed under IEC 60529-2013. Correct installation and sealing remain necessary; this is not a corrosion, impact or direct-lightning rating.

Specifications are summarised from the manufacturer's published information (checked 2026-10-18). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

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