

BulletCam HL (5 Mp/2.8 mm)

Wired AI-powered security IP camera with a 110° viewing angle, hybrid illumination, TrueWDR, microphone, and PoE/12 V. For outdoor and indoor use.

Camera

Image sensor

5 MP CMOS, 1/2.8" type

Lens focal length

2.8 mm

Maximum aperture

f/1.6

Lens iris type

fixed

Lens focal type

fixed

Field of view

horizontal: 110°

vertical: 58°

diagonal: 131°

Maximum illumination distance

- white LED: up to 50 m
- IR LED: up to 50 m
- white LED: up to 164 ft
- IR LED: up to 164 ft

Intelligent lighting control automatically adjusts the intensity of IR and white LEDs in real time to prevent overexposure. This ensures clear visibility of objects at varying distances — whether close to or far from the camera — in low-light conditions.

Video	Resolution • 5 MP (2880 × 1620) • 4 MP (2560 × 1440) • 3 MP (2304 × 1296) • 2 MP (1920 × 1080) • 0.6 MP (1024 × 576) Frame rate up to 25 fps Image rotation 0°, 180° Video codec H.265, H.264 Dynamic range True WDR Storage microSD Ajax NVR The camera supports microSD up to 256 GB. The memory card should be Class V30 or faster. The card is not included in the complete set.
Audio	Built-in microphone With the corresponding settings, the camera can record audio at the scene. Audio codec G711-ULAW, G711-ALAW, G726, G722
Intelligent video analytics	Motion detection The camera detects motion using software image frame analysis. AI object detection People Pets Vehicles

Network	Port 1 × RJ-45 self-adaptive Ethernet (10/100 Mbps) Protocol HTTP, HTTPS, TCP/IP, IPv4, IPv6, SNMP, RTSP, UDP, DHCP, DNS, DDNS Interoperability ONVIF (Profile S/T*) Ajax cameras and NVRs can be integrated into third-party video management systems (VMS). * Profile T is supported for basic streaming and configuration. Advanced features such as metadata, event handling, or edge recording may not be available. Learn more
Key features	Video protocol JetSparrow Fast and encrypted peer-to-peer video protocol developed by Ajax Systems. Visual verification of Ajax alarms The system allows you to configure a scenario according to which Ajax detectors trigger selected cameras to start recording. The recorded event is immediately delivered to the mobile or desktop monitoring app. Privacy Advanced privacy controls ensure a high level of personal data protection. All access rights — including those for mobile app users, installers, and monitoring company operators via Ajax PRO Desktop — are fully configurable by the device owner. This guarantees that only authorized parties can access video streams, event history, or device settings, in accordance with the owner's preferences.
Sabotage protection	mTLS Encrypted connection for data protection. Authentication via Ajax Cloud Secure Boot Protection against firmware spoofing. OTA signature verification Secure automatic firmware update.

Power supply	PoE standard 802.3at/af PoE power consumption • maximum: up to 7.3 W • average: up to 6.0 W Power supply unit 12 V= ± 20%, 1 A 12 V DC power consumption • maximum: up to 6.3 W • average: up to 5.1 W
Enclosure	Dimensions 198 × 76 × 76 mm 7.78" × 2.99" × 2.99" Weight 550 g 1.21 lb Operating temperature range from –30 °C to +60 °C from –22 °F to 140 °F Operating humidity up to 90% Protection class IP65
Color	Black White
Complete set	BulletCam HL (5 Mp/2.8 mm) Installation template Installation kit Quick start guide
Warranty	24 months