

## Tech specs

## 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

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.

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## Audio

### Built-in microphone

With the corresponding settings, the camera can record audio at the scene.

### Audio codec

G711-ULAW, G711-ALAW, G726, G722

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## Intelligent video analytics

### Motion detection

The camera detects motion using software image frame analysis.

### AI object detection

People

Pets

Vehicles

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## 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](#) 

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## 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.

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## 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 $\pm$  20%, 1 A

### 12 V DC power consumption

- maximum: up to 6.3 W
  - average: up to 5.1 W
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## Enclosure

## Dimensions

198 × 76 × 76 mm

## Weight

550 g

## Operating temperature range

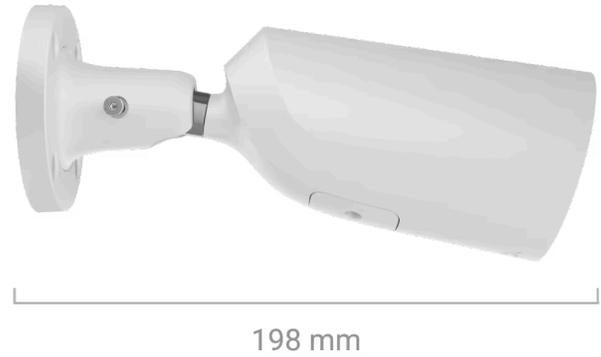
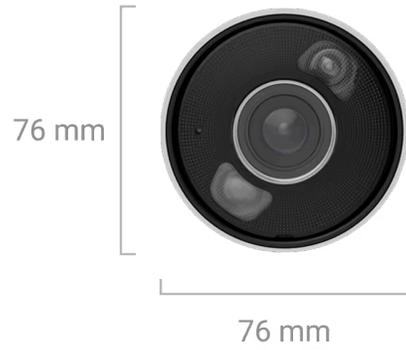
from -30 °C to +60 °C

## Operating humidity

up to 90%

## Protection class

IP65



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## Color

Black

White



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## Complete set

BulletCam HL (5 Mp/2.8 mm)

Installation template

Installation kit

Quick start guide

## Certification and compliance with standards



BulletCam HL (5 Mp/2.8 mm)



## Additional information

[Compliance with standards](#)

[User manual](#)

[Learn more](#) 

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## Warranty

24 months

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 **Trustpilot**



Rating 4.7

4,000,000

people worldwide under Ajax protection

 [Suggest a feature](#)

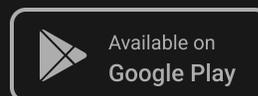
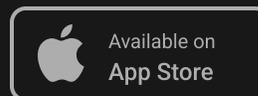


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## Support

- [Manuals and articles](#)
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## Tools

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- [Video storage calculator](#)
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## Connecting to CMS

- [Intrusion alarm monitoring](#)
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## Company

- [Blog](#)
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