Products V

Assemble kit

BulletCam HL

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## **Tech specs**

## BulletCam HL (8 Mp/4 mm)

Wired Al-powered security IP camera with a 85° viewing angle, hybrid illumination, TrueWDR, microphone, and PoE/12 V. For outdoor and indoor use.



#### Camera

## Image sensor

8 MP CMOS, 1/2.7" type

## Lens focal length

4 mm

### Maximum aperture

f/1.6

#### Lens iris type

fixed

## Lens focal type

fixed

#### Field of view

horizontal: 85° vertical: 44° diagonal: 105°

#### 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

• 8 MP (3840 × 2160)

- 6 MP (3072 × 1728)
- 5 MP (2592 × 1944)
- 5 MP (2944 × 1656)
- 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 20 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.

## Al 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 8.2 W

• average: up to 7.0 W

## Power supply unit

 $12 V = \pm 20\%, 1 A$ 

## 12 V DC power consumption

• maximum: up to 7.2 W

• average: up to 6.0 W

## **Enclosure**

#### **Dimensions**

198 × 76 × 76 mm

## Weight

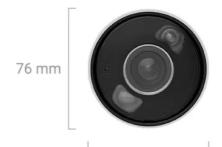
550 g

## Operating temperature range

from -30 °C to +60 °C

up to 90%

# **Operating humidity**



76 mm



198 mm

## **Protection class**

## Color

**Black** 



White



## Complete set

BulletCam HL (8 Mp/4 mm)

Installation template

Installation kit

Quick start guide

## Certification and compliance with standards



BulletCam HL (8 Mp/4 mm)



## **Additional information**

Compliance with standards

User manual

Learn more

Learn more

Warranty

24 months

Learn more

#### Subscribe

Subscribe to our emails about secure life. No spam.

Subscribe

#### Request extra help

- support@ajax.systems
- @AjaxSystemsSupport\_Bot
- Send a request



Rating 4.7

4,000,000

people worldwide under Ajax protection

Suggest a feature











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Ajax Ready products

Fibra wired protocol

Ajax radio protocols

#### Solutions

Customer stories

Solutions by facility type

Commercial fire detection and alarm system

Upgrades and retrofits

Why Ajax

How it works

#### Software

For users

Ajax PRO: Tool for Engineers

Ajax Desktop

Ajax PRO Desktop

Ajax Translator PRO

Ajax Cloud Signaling

Scenarios



Available on **App Store** 



Available on **Google Play** 

#### Support

Manuals and articles

Compliance with standards

#### Tools

Ajax device compatibility

Video storage calculator

Video device calculator

Battery life calculator

Radio communication range calculator

Switches and outlets configurator

Fibra power supply calculator

All web tools

#### **Connecting to CMS**

Intrusion alarm monitoring

Video monitoring and visual alarm verification

Audio alarm verification

#### Company

Blog

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Reviews and feedback

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