Country: Hrvatska   Language: Eng   Partner Portal

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DoorBell   Tech specs   Where to buy

Tech specs

DoorBell

Video doorbell with built-in AI, PIR sensor, and control via apps

Device compatibility

Check

Video stream

Camera

4 MP CMOS sensor

Resolution

up to 2688 × 1520 px

Camera viewing angles

horizontal: 155°
vertical: 90°

Video protocol

JetSparrow

Fast and encrypted peer-to-peer video protocol developed by Ajax Systems.

Storage options

Ajax Cloud (coming soon)
NVR

Video codec

H.264

Dynamic range

HDR

Improves the accuracy of detail in bright and dark scenes.

Communication channel

Wi-Fi

802.11 b/g/n module

2.4 GHz, up to 2 Mbit/s.

⬦ Jeweller and Wings communication technologies

Proprietary wireless communication technologies to transmit commands, alarms, events, and photo verifications. They serve as a backup communication channel when the device is added to the hub.

Learn more ›

Key features

Two-way communication

Clear and loud voice communication between users and visitors near the device.

Motion detection

The device detects movement using a built-in PIR sensor and software image frame analysis.

Object detection

using AI

- People.
- Pets.
- Vehicles.

Smart IR illumination

up to 6 m

Automatic adjustment of intensity in real time to avoid overexposure. This allows you to see objects that are far away or too close to the camera in low-light conditions.

Visual verification of Ajax alarms

The system allows you to set up a scenario when Ajax detectors activate selected cameras to start recording. The result is immediately sent to the mobile or desktop monitoring app.

Microphone

For two-way communication and sound recording at the site.

Audio codec

G722

Audio processing

Always active noise suppression and echo cancellation.

PIR detection

Sensitive elements

1 × PIR sensor

Motion detection distance

up to 4 m

Depends on the sensitivity level adjusted in the device settings.

Motion detection angle

horizontal: 120°
vertical: 100°

Sensitivity

3 levels

Adjusted by a PRO or a user with admin rights in Ajax apps.

Installation recommendations

It is recommended to install the device at a height of 1.2−1.5 m.

The device is designed for outdoor and indoor use.

It is **not recommended** to install the device in direct sunlight. This may cause overheating and damage to the device's electrical components.

Sabotage protection

Tamper alarm

Notifications of attempts to remove the device from the mounting panel.

Learn more ›

Holding screw

secures the device on SmartBracket

mTLS

Encrypted connection for data
protection.

Authentication

via Ajax Cloud

Without local access rights.

Secure Boot

Protection against firmware
spoofing.

OTA signature verification

Secure automatic firmware update.

Privacy

Access rights distribution for users in mobile apps and for monitoring operators in PRO Desktop.

Communication loss detection

Wi-Fi: can be set from 30 s
Jeweller/Wings: after 36 s

Detection time depends on **Ajax Cloud connection** and **Jeweller** or **Jeweller/Fibra** settings.

Power supply

Device power consumption

10 W

Main DC voltage range

12−24 V⎓

Main AC voltage range

16–24 V~, 50/60 Hz

Battery

built-in rechargeable battery: Li-ion 600 mAh

Intended to heat the device in a cold climate and provide a backup power supply for short periods.

Enclosure

Dimensions

145 × 47 × 34 mm

Weight

163 g

Operating temperature range

from −25 °C to +60 °C

Operating humidity

up to 90%

Protection class

IP54

145 mm

47 mm

34 мм

Color

White

Grey

RAL 9003

RAL 7004

Graphite

Black

RAL 7024

RAL 9005

Complete set

DoorBell

SmartBracket mounting panel

Wedge bracket (2 pcs)

BellKit (for connection to a wired chime)

Installation kit

Quick start guide

Certification and compliance with standards

DoorBell

Additional information   Compliance with standards   User manual

Learn more ›   Learn more ›

Warranty

24 months

Learn more ›

Products

Intrusion protection

Video surveillance

Fire and life safety

Comfort and automation

All products

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For partners

Ajax Academy

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Subscribe to our emails about secure life. No spam.

Subscribe

Request extra help
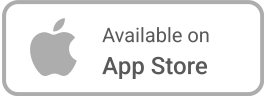
✉ support@ajax.systems

⬤ @AjaxSystemsSupport_Bot

Ajax PRO: Tool for Engineers

Ajax Desktop

Ajax PRO Desktop

Ajax Translator

Scenarios

Available on
App Store

Available on
Google Play

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

Trustpilot

★★★★★

Rating 4.7

4,000,000

people worldwide under Ajax protection

ⓘ Report mistake

💡 Suggest a feature

f ▶ 🖸 𝕏 in

Hrvatska   Privacy policy   Report a vulnerability   GDPR White Paper   NDAA Statement   Cookie policy

Anti-Spam Policy   End user agreement   Warranty