DoorBell

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

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.

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 up to 20 ft 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 up to 13 ft 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. It is recommended to install the device at a height of 4–5 ft. 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. **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 5.71″ × 1.85″ × 1.34″ **Weight** 163 g 5.75 oz **Operating temperature range** from −25 °C to +60 °C f r om −13 °F t o 140 °F **Operating humidity** up to 90% **Protection class** IP54
Color	**White** RAL 9003 **Grey** RAL 7004 **Graphite** RAL 7024 **Black** RAL 9005 **Grey** RAL 7004
Complete set	DoorBell SmartBracket mounting panel Wedge bracket (2 pcs) BellKit (for connection to a wired chime) Installation kit Quick start guide
Warranty	24 months