# DoorBell

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

| **Video stream** | **Camera**4 MP CMOS sensor**Resolution**up to 2560 × 1440 px**Camera viewing angles**horizontal: 155°vertical: 90°**Video protocol**JetSparrowFast 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. |
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| **Communication channel** | **Wi-Fi**802.11 b/g/n module2.4 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 mup to 20 ftAutomatic 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 mup to 13 ftDepends on the sensitivity level adjusted in the device settings.**Motion detection angle**horizontal: 120°vertical: 100°**Sensitivity**3 levelsAdjusted 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 CloudWithout 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 sJeweller/Wings: after 36 sDetection 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 mАhIntended to heat the device in a cold climate and provide a backup power supply for short periods. |
| **Enclosure** | **Dimensions**145 × 47 × 34 mm5.71" × 1.85" × 1.34"**Weight**163 g5.75 oz**Operating temperature range**from −25 °C to +60 °Cfrom −13 °F to 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** | DoorBellSmartBracket mounting panelWedge bracket (2 pcs)BellKit (for connection to a wired chime)Installation kitQuick start guide |
| **Warranty** | 24 months |