# 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**  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. |
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| **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 mАh  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  from −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** | DoorBell  SmartBracket mounting panel  Wedge bracket (2 pcs)  BellKit (for connection to a wired chime)  Installation kit  Quick start guide |
| **Warranty** | 24 months |