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 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