AJAX

MotionCam Outdoor (PhOD) Jeweller

Wireless outdoor motion detector that takes photos by alarm and on demand

Compatibility	Compatible hub models
	- Hub 2 (2G) - Hub 2 (4G) - Hub 2 Plus - Hub Hybrid (2G) - Hub Hybrid (4G) **Compatible range extenders** - ReX 2
Communication	**Jeweller communication technology** Proprietary wireless communication technology to transmit alarms and events. **It features:** - Two-way communication. - Advanced anti-sabotage. - Block encryption featuring a dynamic key. - Instant notifications. - Remote configuration via the Ajax apps. Learn more **Frequency bands** 866.0 – 866.5 MHz 868.0 – 868.6 MHz 868.7 – 869.2 MHz 905.0 – 926.5 MHz

915.85 – 926.5 MHz
921.0 – 922.0 MHz
Depends on the region of sales.

Maximum effective radiated power (ERP) up to 20 m

Radio signal modulation GFSK

Radio signal range up to 1,700 m
Between detector and hub or range extender in an open space.

Calculate radio signal range at the facility

Encrypted communication
All the data stored and transmitted are protected by block encryption with a dynamic key.

Radio frequency hopping
Radio communication uses frequency hopping to prevent interception and jamming.

Learn more

Wings communication technology

Proprietary wireless communication technology to transmit photo verifications.

It features:

- Two-way communication.
- Block encryption featuring a dynamic key.
- Advanced anti-sabotage.
- Data package reloading in case of transmission errors.
- Photo delivery check.

Learn more

Frequency bands

	866.0 – 866.5 MHz 868.0 – 868.6 MHz 868.7 – 869.2 MHz 905.0 – 926.5 MHz 915.85 – 926.5 MHz 921.0 – 922.0 MHz Depends on the region of sales. **Radio signal range up to 1,700 m** Between detector and hub or range extender in an open space. Calculate radio signal range at the facility **Encrypted communication** All the data stored and transmitted are protected by block encryption with a dynamic key. **Radio frequency hopping** Radio communication uses frequency hopping to prevent interception and jamming. Learn more
Detection	**Sensitive elements** 2 × PIR sensor **Motion detection distance** up to 3–15 m When installed at a height of 0.8–1.3 m. Adjusted with a scrollbar on the device enclosure. **Motion detection angles** ● horizontal — 90° ● vertical — N/A **Motion detection speed** from 0.3 to 2.0 m/s The direction of the detector lens should be perpendicular to an alleged intrusion path into the facility. **Sensitivity** 3 levels Adjusted by PRO or user with admin rights in the Ajax app. **Pet immunity**

	• weight: not relevant • height: up to 80 cm Learn more **False alarm prevention** • LISA • SmartDetect Software algorithms. **Temperature compensation** Effective motion detection in temperatures from −25°C to +60°C
Photo verification	**Photo by alarm** A built-in camera is activated if the detector is armed, and motion is detected. Learn more **Photo on demand** User takes pictures at any time or when the detector is armed (depends on settings). The feature is disabled by default. Learn more **Photo by scenario** A detector camera takes pictures automatically when Ajax fire detectors are triggered. The feature is disabled by default. Learn more **Photo resolution** • 640 × 352 px • 320 × 176 px (by default) Adjusted by PRO or user with admin rights in the Ajax app. **Camera viewing angles**

	● horizontal — 105° ● vertical — 50° **IR backlight** For night photography and low light conditions. **Pictures in a series** ● from 1 to 5 images with resolution of 320 × 176 p ● from 1 to 3 images with resolution of 640 × 352 p Adjusted by PRO or user with admin rights in the Ajax app. **Photo delivery time** ● up to 9 s — 320 × 176 px resolution ● up to 20 s — 640 × 352 px resolution When the hub is connected via Ethernet or 4G and the Wing signal strength between hub and device is 2–3 bars. Photo delivery time when the detector is connected via range extender is available here. **TV distortion (EBU standard)** barrel — 17%
Recommendations	It is recommended to install the detector at a height o 0.8–1.3 m. The device is designed for indoor and outdoor use.
Anti-sabotage protection	**Anti-masking system** The detector is equipped with masking sensors reacting to hindering, covering and painting the lens. Learn more **Tampering alarm** Alerts of attempts to detach the detector from the surface remove it from the mounting panel. Learn more **Protection against forgery**

	device authentication
	Communication loss detection within 36 s Detection time depends on the Jeweller settings. Learn more
Power supply	**4 × CR123A battery** Up to 3 years of battery life.
Enclosure	**Dimensions** 206 × 108 × 93 mm **Weight** 470 g **Operating temperature range** from −25°C to +60°C **Operating humidity** up to 95% **Protection class** IP55
Colours	White
Complete set	**MotionCam Outdoor (PhOD) Jeweller** **Hood** To protect the camera and masking sensors from snow an rain. **SmartBracket mounting panel** **Installation kit** **4 × CR123A battery** Pre-installed. **Quick Start Guide**