MotionCam (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. **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 mW

Radio signal modulation GFSK

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

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.

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.

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. **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.
Detection	**Sensitive elements** 1 × PIR sensor **Motion detection distance** up to 12 m When installed at a height of 2.4 m. **Motion detection angles** - horizontal — 88.5° - vertical — 80° **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: up to 20 kg - height: up to 50 cm **False alarm prevention** SmartDetect Software algorithm. **Temperature compensation** Effective motion detection in temperatures from −10°C to +40°C.
Photo verification	**Photo by alarm**

	A built-in camera is activated if the detector is armed and motion is detected. **Photo on demand** User takes pictures at any time or when the detector is armed (depends on settings). The feature is disabled by default. **Photo by scenario** A detector camera takes pictures automatically when Ajax fire detectors are triggered. The feature is disabled by default. **Photo resolution** - 640 × 480 px - 320 × 240 px (by default) - 160 × 120 px Adjusted by PRO or user with admin rights in the Ajax app. **IR backlight** For night photography and low light conditions. **Pictures in a series** - from 1 to 5 images with resolution of 320 × 240 px or 160 × 120 px - from 1 to 3 images with resolution of 640 × 480 px Adjusted by PRO or user with admin rights in the Ajax app. **Photo delivery time** - up to 7 s — 160 × 120 px resolution - up to 9 s — 320 × 240 px resolution - up to 20 s — 640 × 480 px resolution
Recommendations	It is recommended to install the detector at a height of 2.4 m. Device is designed for indoor use only.

Anti-sabotage protection	**Tampering alarm** Alerts of attempts to detach the detector from the surface or remove it from the mounting panel. **Protection against forgery** device authentication **Communication loss detection** within 36 s Detection time depends on the Jeweller settings.
Power supply	**2 × CR123A battery, 3 V** Up to 4 years of battery life.
Enclosure	**Dimensions** 135 × 70 × 60 mm **Weight** 167 g **Operating temperature range** from −10°C to +40°C **Operating humidity** up to 75% **Protection class** IP50
Colours	● Black ● White
Complete set	**MotionCam (PhOD) Jeweller** **SmartBracket mounting panel** **Installation kit** **2 × CR123A battery** Pre-installed. **Quick Start Guide**
Additional information	**Compliance with standards** **Warranty** 24 months