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. 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 mW **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

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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

	Learn more **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. 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 × 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 When the hub is connected via Ethernet or 4G and the Wings signal strength between hub and device is 2–3 bars. Photo delivery time when the detector is connected via range extender is available here.
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. Learn more **Protection against forgery** device authentication **Communication loss detection** within 36 s Detection time depends on the Jeweller settings. Learn more
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** Learn more **Service life** 10 years **User manual** Learn more **Warranty** 24 months Learn more