

MotionCam Outdoor (PhOD) Jeweller

Wireless motion detector with photo verification



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

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.

Motion detection angles

Horizontal

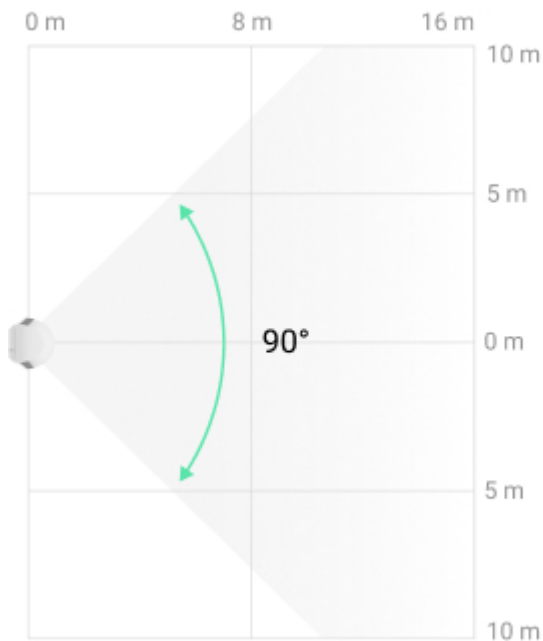


Photo verification

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 px

from 1 to 3 images with resolution of 640 × 352 px

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 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](#).

TV distortion (EBU standard)

barrel — 17%



Recommendations


It is recommended to install the detector at a height of 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 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

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 and rain.

SmartBracket mounting panel

Installation kit


4 × CR123A battery

Pre-installed.

Quick Start Guide


Additional information

Compliance with standards

Learn more 

Warranty

24 months

Learn more 

User manual

Learn more 



Products



MotionCam Outdoor (PhOD) Specs

Subscribe

Subscribe to our emails about secure life. No spam.

Email





Software



Available in
App Store



Available in
Google Play

Company

[About](#)

[Why Ajax](#)

[How it works](#)

[For partners](#)

[Blog](#)

[Events](#)

[Press page](#)

Products

[All products](#)

[Scenarios](#)

[Build your system](#)

[Where to buy](#)

[Reviews](#)

[Suggested features](#)

[CMS connection](#)

[Enterprise API](#)

[Compliance with standards](#)

Request extra help

✉ support@ajax.systems

🗉 [@AjaxSystemsSupport_Bot](#)

[Privacy policy](#)

[Anti-Spam Policy](#)

[End user agreement](#)

[Warranty](#)

© 2022 AJAX SYSTEMS CH. All rights reserved