

MotionCam Outdoor (PhOD) Jeweller

Where to buy

## Tech specs

BASELINE

# MotionCam Outdoor (PhOD) Jeweller

Wireless IR motion detector with photo camera



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## Compatibility

### Compatible hub models

Hub 2 (2G) >

Hub 2 (4G) >

Hub 2 Plus >

Hub Hybrid (2G) >

**Hub Hybrid (4G)** >

**Compatible range extenders**

**ReX 2** >

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## **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 sales region.

### **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** >

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**Learn more** >

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## Detection

### Sensitive elements

2 × PIR sensor

### Motion detection distance

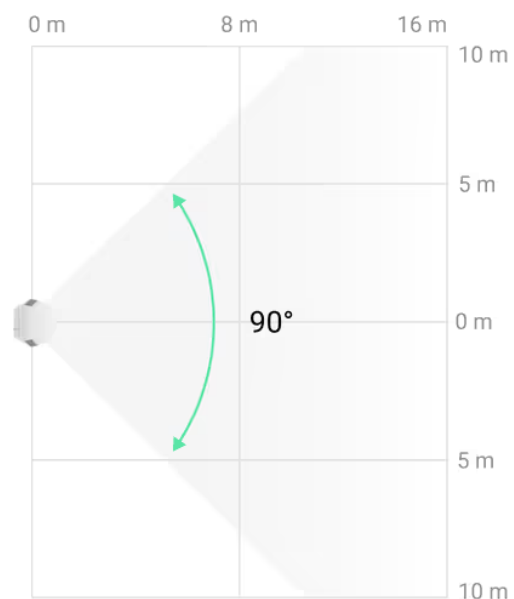
up to 3–15 m

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 at temperatures from  $-25^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

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## **Photo verification**

## **Photo by alarm**

A built-in camera is activated if the detector is armed, and motion is detected.

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## **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.

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## **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.

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## **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.

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## **Protection against forgery**

device authentication

## **Communication loss detection**

within 36 s

Detection time depends on the Jeweller settings.

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## **Power supply**

4 × CR123A battery

Up to 3 years of battery life.

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## **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

IP56

206 mm



108 mm



93 mm

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## Colour

White



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## 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](#)

[User manual](#)

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### Warranty

24 months

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Rating 4.6

2,500,000

people worldwide under Ajax protection



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Superior

Fibra

Intrusion protection

Video surveillance

Fire detection

Water leak prevention

Comfort & Productivity

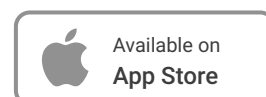
### Software

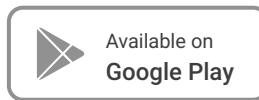
For users

PRO Desktop

Ajax Translator

Scenarios





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