

[Products](#) [Solutions](#) [Support](#) [Company](#) [For partners](#)[Blog](#)[Where to buy](#)[Assemble kit](#)[B](#) MotionCam Outdoor HighMount (PhOD) Jeweller[Tech specs](#)[Where to buy](#)[Tech specs](#)**B**ASELINE

MotionCam Outdoor HighMount (PhOD) Jeweller

Wireless PIR motion detector with extended photo verification possibilities. For outdoor installation at a height of 2–4 m.



- Device compatibility

Check

Communication

Jeweller communication technology

Proprietary wireless communication technology to transmit commands, alarms, and events.

Key features:

- Two-way communication.
- Advanced sabotage protection.
- Block encryption featuring a dynamic key.
- Instant notifications.
- Remote control and configuration in 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 25 mW

Automatic power control to reduce power consumption and radio interference.

Radio signal modulation

GFSK

Radio communication range

up to 1,700 m

Between the device and a hub (or a range extender) in an open space.

Calculate radio communication range at the facility >

Encrypted communication

All stored and transmitted data are protected by block encryption featuring a dynamic key.

Frequency hopping

To prevent radio interference and jamming.

[Learn more >](#)

💎Wings communication technology

Proprietary wireless communication technology to transmit photo verifications.

Key features:

- Two-way communication.
- Advanced sabotage protection.
- Block encryption featuring a dynamic key.
- Data packages reload in case of transmission errors.
- Photo delivery check.

[Learn more >](#)

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Learn more >

Detection

Sensitive elements

2 × PIR sensor

1 × K-band microwave sensor

Operating frequency: 24 GHz.

Motion detection distance

up to 15 m

When installed at a height of 2–4 m.

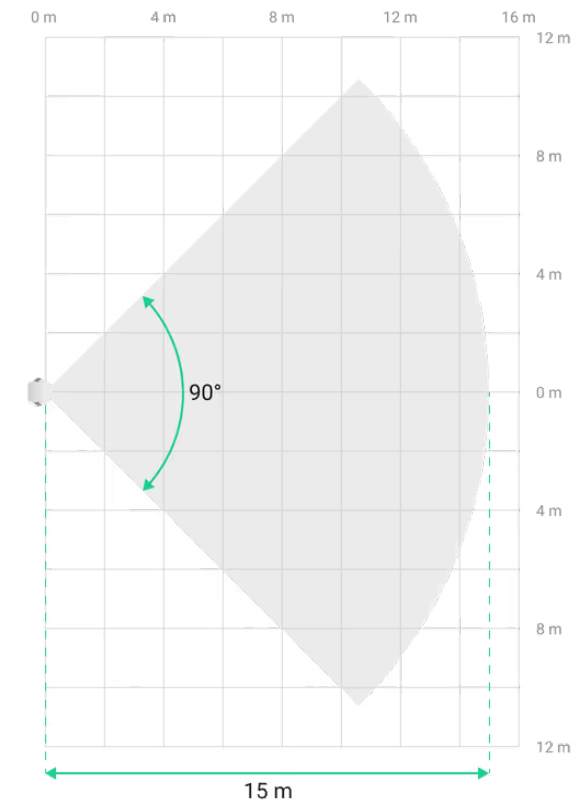
Depends on the sensitivity level
adjusted in the device settings.

Motion detection angle

horizontal: 90°

Motion detection speed

from 0.3 to 2.0 m/s



The direction of the detector sensors should be perpendicular to an alleged intrusion path into the facility.

Sensitivity

3 levels

Adjusted by a PRO or a user with admin rights in Ajax apps.

False alarm prevention

SmartDetect

Software algorithm.

Temperature compensation

Effective movement detection in temperatures from -25°C to $+60^{\circ}\text{C}$.

Learn more >

Photo verification

Photo by alarm

The built-in camera is activated if the detector is armed and movement is detected.

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Photo on demand

A user takes pictures at any time or when the detector is armed (depending on settings). The feature is disabled by default.

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Photo by scenario

The detector takes pictures automatically when other Ajax detectors are triggered. The feature is not configured by default.

[Learn more >](#)

Photo by schedule

The detector automatically takes photos at the specified time. The feature is not configured by default.

Learn more >

Photo by arming/disarming

The detector automatically takes photos when the security state is changed.

Learn more >

Adjustable photo resolution

640 × 480 px

320 × 240 px (default)

Adjusted by a PRO or a user with admin rights in Ajax apps.

Camera viewing angles

horizontal: 115°

vertical: 84°

HDR image

Improves the accuracy of detail in bright and dark scenes.

IR backlight

For night photography and low light conditions.

Series of pictures

from 1 to 5 images with a resolution of 320 × 240 px

from 1 to 3 images with a resolution of 640 × 480 px

Adjusted by a PRO or a user with admin rights in Ajax apps.

Photo delivery time

up to 9 s for 320 × 240 px resolution

up to 20 s for 640 × 480 px resolution

Photo delivery time depends on the image resolution selected in the device settings.

Recommendations

It is recommended to install the detector at a height of 2–4 m.

The **pet immunity** feature is not available for this device.

The device is designed for outdoor and indoor use.

Sabotage protection

Tamper alarm

Notifications of attempts to remove the detector from the mounting panel.

[Learn more](#) >

Magnetometer

detects attempts to tilt or shift the detector or detach it from the surface

Anti-masking system

detects attempts to block the detector view

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Holding screw

secures the device on SmartBracket

Protection against spoofing

device authentication

Communication loss detection

after 36 s

Detection time depends on the Jeweller/Fibra settings.

Main power supply

Battery

6 × CR123A

Pre-installed.

Type

type C

Calculated battery life

up to 3 years

[Learn more](#) >

Detector operating voltage range

3.8–6.5 V \equiv

Detector nominal operating voltage

6 V \equiv

Quiescent detector current consumption at nominal voltage

45 μ A

Maximum detector current consumption at nominal voltage

1,200 mA

Full battery capacity

4,800 mAh

Low battery voltage

4.2 V==

Low battery recovery voltage

5.0 V==

End-of-life battery voltage

3.8 V==

The device is switched off.

End-of-life battery capacity

300 mAh

Manufacturer

Huiderui

Optional power supply

External supply operating voltage

12–24 V $\overline{=}$

The batteries serve as a backup when an external power supply is connected.

Enclosure

Dimensions with the swivel mount

234 × 98 × 230 mm

Dimensions without the swivel mount

234 × 98 × 137 mm

Weight with the swivel mount

1,010 g

Weight without the swivel mount

620 g

Operating temperature range

from -25 °C to +60 °C

Operating humidity



up to 95%

Protection class

IP55



Color

White



Complete set

MotionCam Outdoor HighMount (PhOD) Jeweller

6 × CR123A battery (pre-installed)

SmartBracket mounting panel

Swivel mount

Hood

Installation kit

Quick start guide

Certification and compliance with standards



MotionCam Outdoor HighMount (PhOD) Jeweller



Additional information

Compliance with standards

User manual

[Learn more >](#)

[Learn more >](#)

Warranty

24 months

[Learn more >](#)

Products

- Intrusion protection
- Video surveillance
- Fire and life safety
- Comfort and automation
- All products
- Services
- System integrations
- Ajax Ready products

Software

For users

Solutions

- Customer stories
- Solutions by facility type
- Upgrades and retrofits
- Why Ajax
- How it works

Support

- Manuals and articles
- Compliance with standards

Tools

Company

- Blog
- About us
- Press page
- Events
- Career
- Reviews and feedback

For partners



- For partners
- Ajax Academy
- Partner Portal

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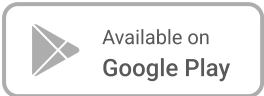
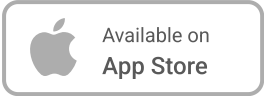
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- Scenarios





- Ajax device compatibility
- Video storage calculator
- Video device calculator
- Battery life calculator
- Radio communication range calculator
- Switches and outlets configurator
- Fibra power supply calculator
- All web tools





Rating 4.7

4,000,000
people worldwide under Ajax protection

-  Report mistake
-  Suggest a feature

