Products ⌄   **Assemble kit**

⌐S⌐ Superior MotionCam HD (PhOD) Jeweller   More ⌄

Tech specs

SUPERIOR

Superior MotionCam HD (PhOD) Jeweller

Wireless PIR motion detector with extended photo verification possibilities. Supports HD resolution.

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

868.0–868.6 MHz

Depends on the sales region.

Maximum effective radiated power (ERP)

up to 20 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 is protected by block encryption featuring a dynamic key.

Frequency hopping

To prevent radio interference and jamming.

Learn more ›

◈ TurboWings 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.
- Fast photo delivery.
- Photo delivery confirmation.

Learn more ›

Frequency bands

868.0–868.6 MHz

Depends on the sales region.

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Learn more ⟩

Detection

Sensitive element

1 PIR sensor

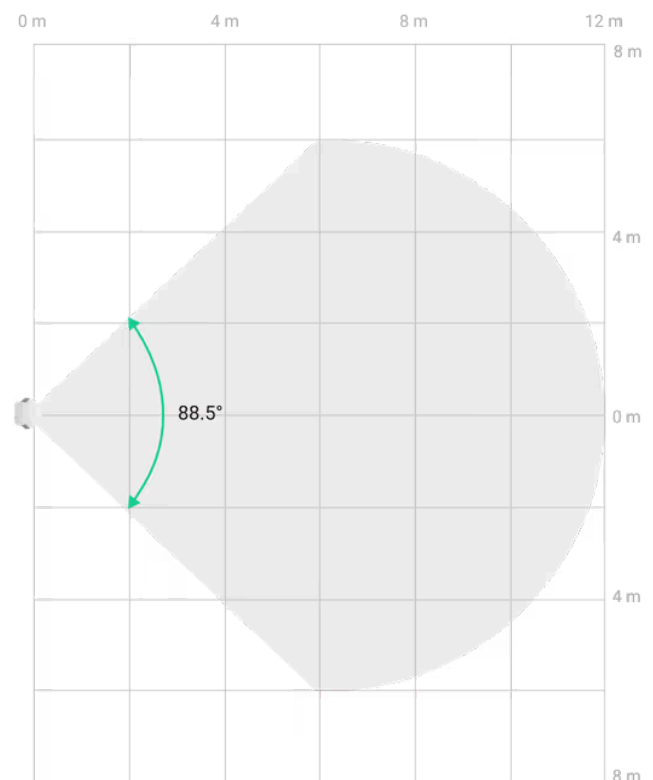### Motion detection distance

up to 12 m

When installed at a height of 2.4 m.
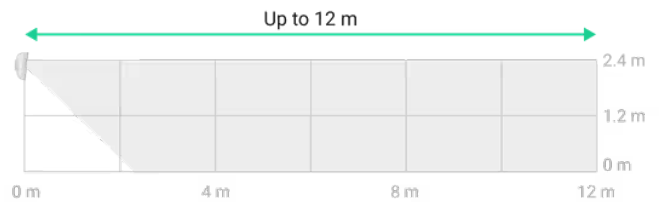
Motion detection angle

horizontal: 88.5°

Motion detection speed

from 0.3 to 2 m/s

The detector lens should be positioned perpendicular to the likely intrusion path into the facility.

Sensitivity

4 levels

Adjusted by PRO or a user with admin rights in an Ajax app

Pet immunity

weight: up to 20 kg

height: up to 50 cm

Learn more ›

False alarm prevention

SmartDetect

Software algorithm.

Learn more ›

Temperature compensation

Effective motion detection at temperatures

from −10 °C to +40 °C.

Learn more ›

Photo verification

Photo by alarm

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

Learn more ›

Photo on demand

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

Learn more ›

Photo by scenario

The detector's camera takes pictures automatically when other Ajax detectors are triggered. The feature is disabled 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

960 × 720 px

640 × 480 px (by default)

320 × 240 px

160 × 120 px

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

Camera viewing angles

horizontal: 90°

vertical: 50°

HDR image

Improves detail accuracy in bright and dark scenes.

IR illumination

For night photography and low-light conditions.

Series of pictures

from 1 to 5 images with a resolution of 320 × 240 px or 160 × 120 px

from 1 to 3 images with a resolution of 640 × 480 px or 960 × 720 px

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

Photo delivery time

up to 3 s — 160 × 120 px resolution

up to 4.5 s — 320 × 240 px resolution

up to 11 s — 640 × 480 px resolution

up to 15.5 s — 960 × 720 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 device is designed for indoor use only.

Sabotage protection

Tamper alarm

Notifications on attempts to detach the detector from the surface or remove it from the mounting panel.

Learn more ›

Holding screw

to secure the detector on SmartBracket

Protection against spoofing

via device authentication

Communication loss detection

after 36 s

Detection time depends on the Jeweller
or Jeweller/Fibra settings.

Learn more

Power supply

Batteries

2 × CR123A

Pre-installed.

Type

type C

Calculated battery life

up to 4 years

With **Photo on demand** toggle **disabled**.

up to 3 years

With **Photo on demand** toggle **enabled**.

Learn more

Operating voltage range

4.2–6.2 V⎓

Nominal operating voltage

6 V⎓

Quiescent current consumption at nominal voltage

0.030 mA

Maximum current consumption at nominal voltage

400 mA

Full capacity

1,550 mAh

Low battery voltage

4.705–5.00 V⎓

Low battery recovery voltage

5.055–5.355 V⎓

End-of-life battery voltage

3.80 V⎓

Device is switched off.

End-of-life battery capacity

150 mAh

Manufacturer

Panasonic

Enclosure

Dimensions

135 × 70 × 60 mm

Weight of the white device

170 g

Weight of the black device

157 g

Operating temperature range

from −10 °C to +40 °C

Operating humidity

up to 75%

Protection class

IP50

Color

Black

White

Complete set

Superior MotionCam HD (PhOD) Jeweller

SmartBracket mounting panel with holding screw

2 × CR123A batteries (pre-installed)

Installation kit

Quick start guide

Certification and compliance with standards

  Superior MotionCam HD (PhOD) Jeweller

Additional information

Compliance with standards

Learn more ›

User manual

Learn more ›

Warranty

24 months

Learn more ›

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Subscribe to our emails about secure life. No spam.

Subscribe

Request extra help

✉ support@ajax.systems

◗ @AjaxSystemsSupport_Bot

🗨 Send a request

★ Trustpilot
★★★★★
Rating 4.7

4,000,000
people worldwide under Ajax protection

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Switches and outlets configurator

Fibra power supply calculator

All web tools

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Events

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Reviews and feedback

For partners

For partners

Ajax Academy

Partner Portal

Hrvatska   Privacy policy   Report a vulnerability   GDPR White Paper   NDAA Statement   Cookie policy

Anti-Spam Policy   End user agreement   Warranty

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