

MotionCam Outdoor HighMount (PhOD) Jeweller

Wireless IR motion detector that takes on-demand photos and photos by alarm, schedule, and scenario. For outdoor installation at a 2-4 m height from the ground

The features and specifications mentioned in this document are subject to change prior to the official release of the device.





Advanced detection

- · Two infrared (IR) sensors and one microwave sensor
- · Adjustable motion detection range using the angle mount
- · 85° vertical viewing angle with no blind spots under the detector
- 115° horizontal viewing angle



Eliminating false alarms

- · IR sensors alarm verification via a Ka-band microwave sensor
- · Three sensitivity levels adjustable through the Ajax app
- · Correlation and spectral analysis to prevent false alarms
- Effective motion detection with temperature compensation from -25 °C to +60 °C

Photo verification

MotionCam Outdoor HighMount (PhOD) Jeweller has a built-in camera to quickly assess the situation at the protected facility. There are four types of photo verification available: by alarm, by scenario, by schedule, and on demand. The user can request and view photos with a single click in the Ajax app.

HDR camera for clear photos



IR backlight for low light conditions



Up to 640 × 480 pixels photo resolution



Up to 5 photos in a series

Photo by Alarm

The built-in camera is activated when the detector is armed and motion is detected. Only users with access to the hub event feed and security company employees can view the photos.

Photo by Scenario

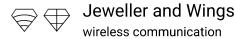
The detector's camera automatically takes photos when specified devices are triggered.

Photo on Demand

The user can take photos at any time or when the detector is armed (depending on the settings). Photos on demand are not sent to the security company's monitoring station.

Photo by Schedule

The detector automatically takes photos at a specified time.



- Up to 1,700 m of wireless communication range in an open space
- · Block cipher encryption for advanced data protection
- · Regular polling to display the current device state in apps
- · Frequency hopping to prevent interception and jamming



Privacy controls

- Precise configuration of access rights in the Ajax app
- · Graphic data is encrypted and meets GDPR requirements
- · Event log stores all actions within the system



Sabotage protection

- · Anti-masking system that meets Grade 2 requirements1
- Tamper alarm and built-in accelerometer notify of attempts to dismantle the device
- · Protection against spoofing with device authentication
- Protection against unauthorized changes to the detector position



Hassle-free installation

- · Pairing with the hub by scanning the QR code
- · Remote control and configuration in Ajax apps
- · Up to 3 years of calculated battery life
- $\boldsymbol{\cdot}$ No need to disassemble the enclosure during installation

Superior, Fibra, and **Baseline** product lines are mutually compatible. This opens up numerous possibilities for building systems of any configuration.

Compliance with standards

EN 50131 (Grade 2) PD 6662:2017

Compatibility

Hubs Hub 2 (2G) Jeweller Hub 2 (4G) Jeweller Hub 2 Plus Jeweller Hub Hybrid (2G) Hub Hybrid (4G)

Range extenders ReX 2 Jeweller

Communication with a hub or range extender

Jeweller and Wings communication technologies

Communication range up to 1,700 m In an open space

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

Motion detection

Sensitive elements 2 × PIR sensor Radar

Motion detection distance up to 15 m

Motion detection angles vertical: 85° horizontal: 115°

Photo resolution in pixels 640×480 320×240

Enclosure

Color white

Weight

Dimensions 224 × 137 × 98 mm (without angle mount)

460 g (without angle mount) 810 g (with angle mount)

Tamper alarm

Magnetometer

Power supply

Battery 6 × CR123A (pre-installed)

Calculated battery life up to 3 years

Installation

Operating temperature range from -25 °C to +60 °C

Operating humidity up to 95%

Protection class

IP55

Installation height 2-4 m

Complete set

MotionCam Outdoor HighMount (PhOD) Jeweller 6 × CR123A battery (pre-installed) Hood

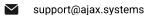
Angle mount Installation kit Quick start guide

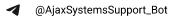
 $^{^{1}}$ The anti-masking system is only available for IR sensors; it does not support masking detection for microwave sensors.



For detailed information, scan the QR code or follow the link:

ajax.systems/support/devices/motioncam-outdoor-highmount-phod/







ajax.systems