



# 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.



2 GRADE EN 50131

PD 6662 2017

IP55



## 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.



## Jeweller and Wings

wireless communication

- 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 requirements<sup>1</sup>
- 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
- 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.

<p><b>Compliance with standards</b></p> <p>EN 50131 (Grade 2) PD 6662:2017</p> <p><b>Compatibility</b></p> <p><b>Hubs</b> Hub 2 (2G) Jeweller Hub 2 (4G) Jeweller Hub 2 Plus Jeweller Hub Hybrid (2G) Hub Hybrid (4G)</p> <p><b>Range extenders</b> ReX 2 Jeweller</p>	<p><b>Communication with a hub or range extender</b></p> <p>Jeweller and Wings communication technologies</p> <p><b>Communication range</b> up to 1,700 m In an open space</p> <p><b>Frequency bands</b> 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</p>	<p><b>Motion detection</b></p> <p><b>Sensitive elements</b> 2 × PIR sensor Radar</p> <p><b>Motion detection distance</b> up to 15 m</p> <p><b>Motion detection angles</b> vertical: 85° horizontal: 115°</p> <p><b>Photo resolution in pixels</b> 640 × 480 320 × 240</p>	<p><b>Enclosure</b></p> <p><b>Color</b> white</p> <p><b>Dimensions</b> 224 × 137 × 98 mm (without angle mount)</p> <p><b>Weight</b> 460 g (without angle mount) 810 g (with angle mount)</p> <p><b>Tamper alarm</b></p> <p><b>Magnetometer</b></p>
<p><b>Power supply</b></p> <p><b>Battery</b> 6 × CR123A (pre-installed)</p> <p><b>Calculated battery life</b> up to 3 years</p>	<p><b>Installation</b></p> <p><b>Operating temperature range</b> from –25 °C to +60 °C</p> <p><b>Operating humidity</b> up to 95%</p> <p><b>Protection class</b> IP55</p> <p><b>Installation height</b> 2–4 m</p>	<p><b>Complete set</b></p> <p>MotionCam Outdoor HighMount (PhOD) Jeweller 6 × CR123A battery (pre-installed) Hood Angle mount Installation kit Quick start guide</p>	

<sup>1</sup> 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/](https://ajax.systems/support/devices/motioncam-outdoor-highmount-phod/)

- ✉ support@ajax.systems
- 📧 @AjaxSystemsSupport\_Bot
- 🌐 ajax.systems