MotionCam Outdoor HighMount (PhOD) Jeweller

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



2 GRADE EN 50131

PD 6662 2017

IP55

Advanced motion detection

- Two PIR and one microwave sensor
- Adjustable motion detection range using a swivel mount
- 90° vertical viewing angle with no blind spots under the detector
- 90° horizontal viewing angle

False alarm prevention

- Dual motion detection technology: alarm is raised only when PIR sensor and microwave sensor are both triggered
- Adjustable sensitivity levels
- Thermal interferences filter with SmartDetect software algorithm
- Temperature compensation

Photo verification

MotionCam Outdoor HighMount (PhOD) Jeweller has a built-in camera to quickly assess the situation at the protected facility. Several types of photo verification are available: by alarm, scenario, schedule, arming/disarming, and on demand.

- HDR camera for clear photos
- IR illumination for low light conditions
- Up to 640 × 480 px photo resolution
- Up to 5 photos in a series

Privacy control

- 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

Jeweller and Wings

wireless communication

- Up to 1,700 m (5,550 ft) of wireless communication range in an open space
- Data encryption throughout the transmission process
- Regular polling to display the current device state
- Frequency hopping to prevent radio interference and jamming

Sabotage protection

- Anti-masking system[1]
- Tamper alarm to notify of attempts to dismantle the device
- Magnetometer to detect unauthorized changes to the detector position
- Device authentication against spoofing

Hassle-free installation and maintenance

- Pairing with the hub by scanning the QR code
- Remote control and configuration in Ajax apps
- Up to 3 years of operation on pre-installed batteries
- No need to disassemble the enclosure during installation
- Installation on a metal swivel mount
- Camera's field of view and maximum detection zone check via Ajax apps

Compliance with standards

EN 50131 (Grade 2)
PD 6662:2017

Compatibility

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

ajax.systems/tools/devices-compatibility/?models=MC.OHMP.J

Communication with a hub or range extender

Jeweller and Wings communication technologies

Communication range
up to 1,700 m
up to 5,550 ft
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
1 × K-band microwave sensor

Motion detection distance
up to 15 m
up to 49 ft

Motion detection angles
vertical: 90°
horizontal: 90°

Anti-masking system[1]

Photo verification

Photo resolution (in pixels)
640 × 480
320 × 240 (by default)
Adjusted by a PRO or a user with admin rights in the Ajax app

Photos in a series
from 1 to 5 images for 320 × 240
from 1 to 3 images for 640 × 480 px
Adjusted by a PRO or a user with admin rights in the Ajax app

First photo delivery time
up to 9 s for 320 × 240
up to 20 s for 640 × 480

Camera viewing angles
horizontal: 115°
vertical: 84°

IR illumination

The HDR feature

Regular camera health checks

Power supply

Battery
6 × CR123A (pre-installed)

Battery life
up to 3 years

Optional connection of a 12–24 V⎓ external power supply

Complete set

MotionCam Outdoor HighMount (PhOD) Jeweller
6 × CR123A battery (pre-installed)
Hood
Metal swivel mount
Installation kit
Quick start guide

Enclosure

Color
white

Dimensions with the swivel mount
234 × 98 × 230 mm
9.21" × 3.86" × 9.06"

Dimensions without the swivel mount
234 × 98 × 137 mm
9.21" × 3.86" × 5.39"

Weight with a swivel mount
1,010 g
35.6 oz

Weight without the swivel mount
620 g
21.9 oz

Tamper alarm

Magnetometer

Installation

Operating temperature range
from –25 °C to +60 °C
from 13 °F to 140 °F

Operating humidity
up to 95%

Protection class
IP55

Installation height
2–4 m
6.6–13 ft

[1] The anti-masking system is only available for PIR sensors; it does not support masking detection for the microwave sensor.

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

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

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