Baseline product line

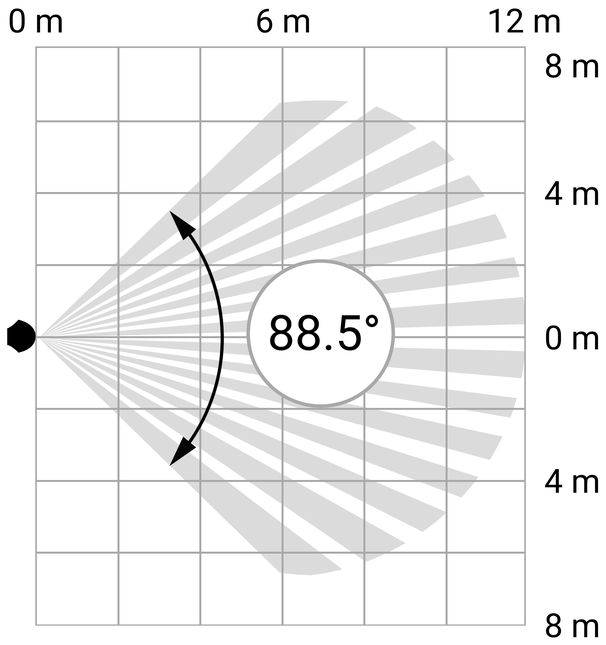
MotionCam Jeweller

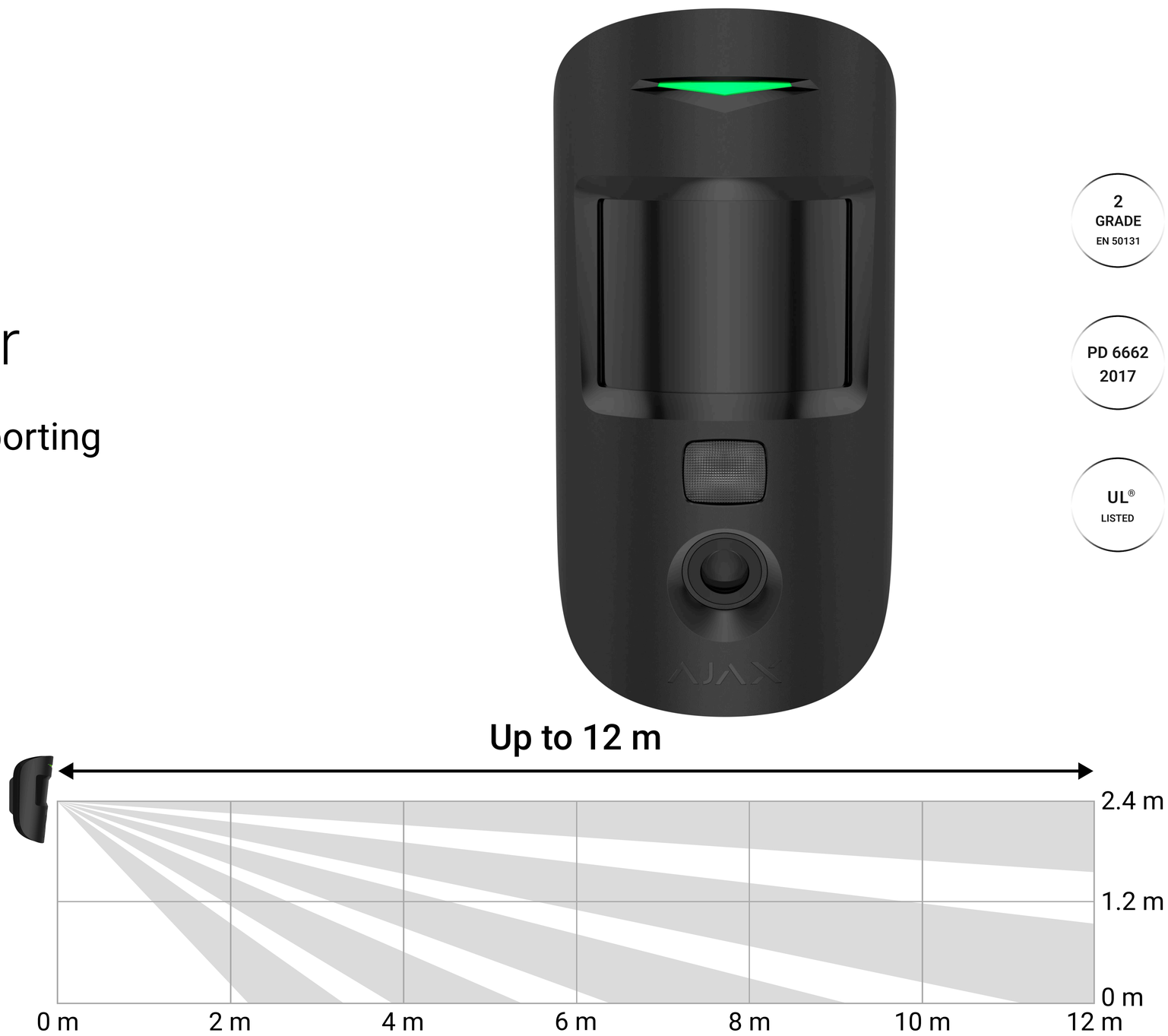
Wireless IR motion detector supporting the photo by alarm feature

2 GRADE EN 50131

PD 6662 2017

UL® LISTED





The MotionCam series includes detectors with **Photo on Demand, Photo by Schedule,** and **Photo by Scenario** features. These devices have the “PhOD” mark in the product name.

Motion detection

- Motion detection distance of up to 12 m
- Horizontal motion detection angle: 88.5°
- Temperature compensation for motion detection at any operating temperature

Photo verification

- Up to 640 × 480 pixels photo resolution
- From 1 up to 5 photos in a series
- The first photo delivery in 9 s
- IR backlight for low-light conditions
- HDR² for equalizing lighting to increase image quality

Jeweller and Wings

communication technologies

- Up to 1,700 m of radio communication in an open space
- Data is encrypted throughout the transmission process
- Regular polling to display current device statuses
- Frequency hopping to prevent radio interference and jamming

False alarms prevention

- Three sensitivity levels: selectable in the app
- SmartDetect algorithm to prevent false alarms
- Pet immunity: pets with a height of up to 50 cm and a weight[1] of up to 20 kg

Flawless autonomy

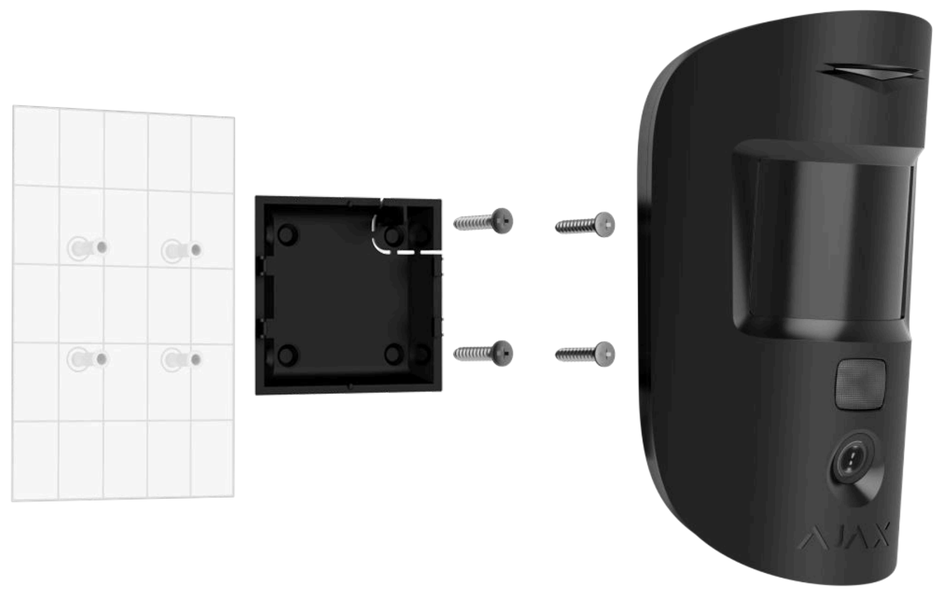
- Up to 4 years of operation from pre-installed batteries
- Low battery notifications

Sabotage protection

- Tamper alarm
- Device authentication to prevent spoofing

Quick installation and configuration

- Pairing with a hub via the QR code
- Remote control and configuration in mobile and desktop apps
- Installation and replacement without opening the enclosure



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

Compliance with standards

EN 50131-2-6 (Grade 2)
PD 6662:2017
UL (UL369, ULC S306)

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

Jeweller and Wings communication technologies

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

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

Polling interval
12–300 s
Adjusted by a PRO or a user with admin rights in the Ajax app

Protection against spoofing
Device authentication

Photo verification

Photo resolution in pixels
640 × 480
320 × 240 (by default)
160 × 120
Adjusted by a PRO or a user with admin rights in the Ajax app

Photos in a series
from 1 to 5 pics
Adjusted by a PRO or a user with admin rights in the Ajax app

Photo delivery time
up to 7 s — 160 × 120 pixels resolution
up to 9 s — 320 × 240 pixels resolution
up to 20 s — 640 × 480 pixels resolution

Motion detection

Sensitive element
PIR sensor

Motion detection distance
up to 12 m[1]

Motion detection angle
horizontal — 88.5°

Motion detection speed
from 0.3 to 2.0 m/s
The direction of the detector lens should be perpendicular to an alleged intrusion path into the facility.

Temperature compensation

IR backlight

The HDR[2] feature

Sensitivity
3 levels
Adjusted by a PRO or a user with admin rights in the Ajax app

Pet immunity
weight: up to 20 kg
height: up to 50 cm

Power supply

Battery
2 × CR123A
(pre-installed)

Battery life
up to 4 years

Installation

Recommended installation height
2.4 m

Operating temperature range
from –10 °C to +40 °C

Operating humidity
up to 75%

Protection class
IP50

Enclosure

Color
white, black

Dimensions
135 × 70 × 60 mm
5.31" × 2.75" × 2.36"

Weight
167 g
5.89 oz

Complete set

MotionCam Jeweller
2 × CR123A battery
(pre-installed)
SmartBracket mounting panel
Installation kit
Quick start guide

[1] With proper installation and configuration.

[2] The HDR feature is available with **OS Malevich 2.24** and a **15.59.35.14** device firmware version.

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

ajax.systems/support/devices/motioncam/

support@ajax.systems
@AjaxSystemsSupport_Bot
ajax.systems