

Baseline product line

## MotionCam Jeweller

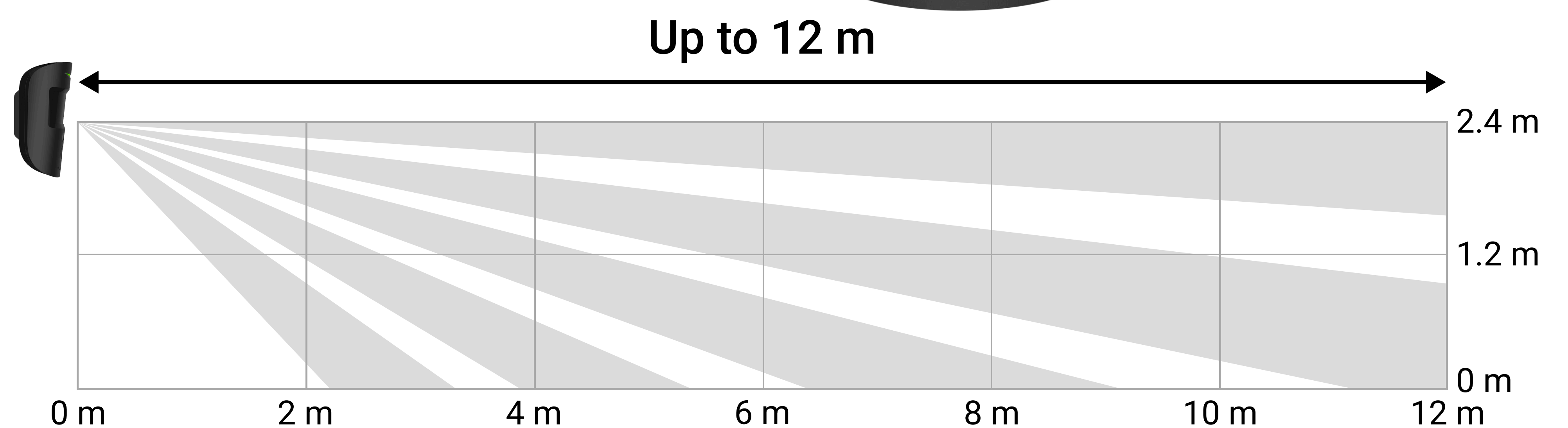
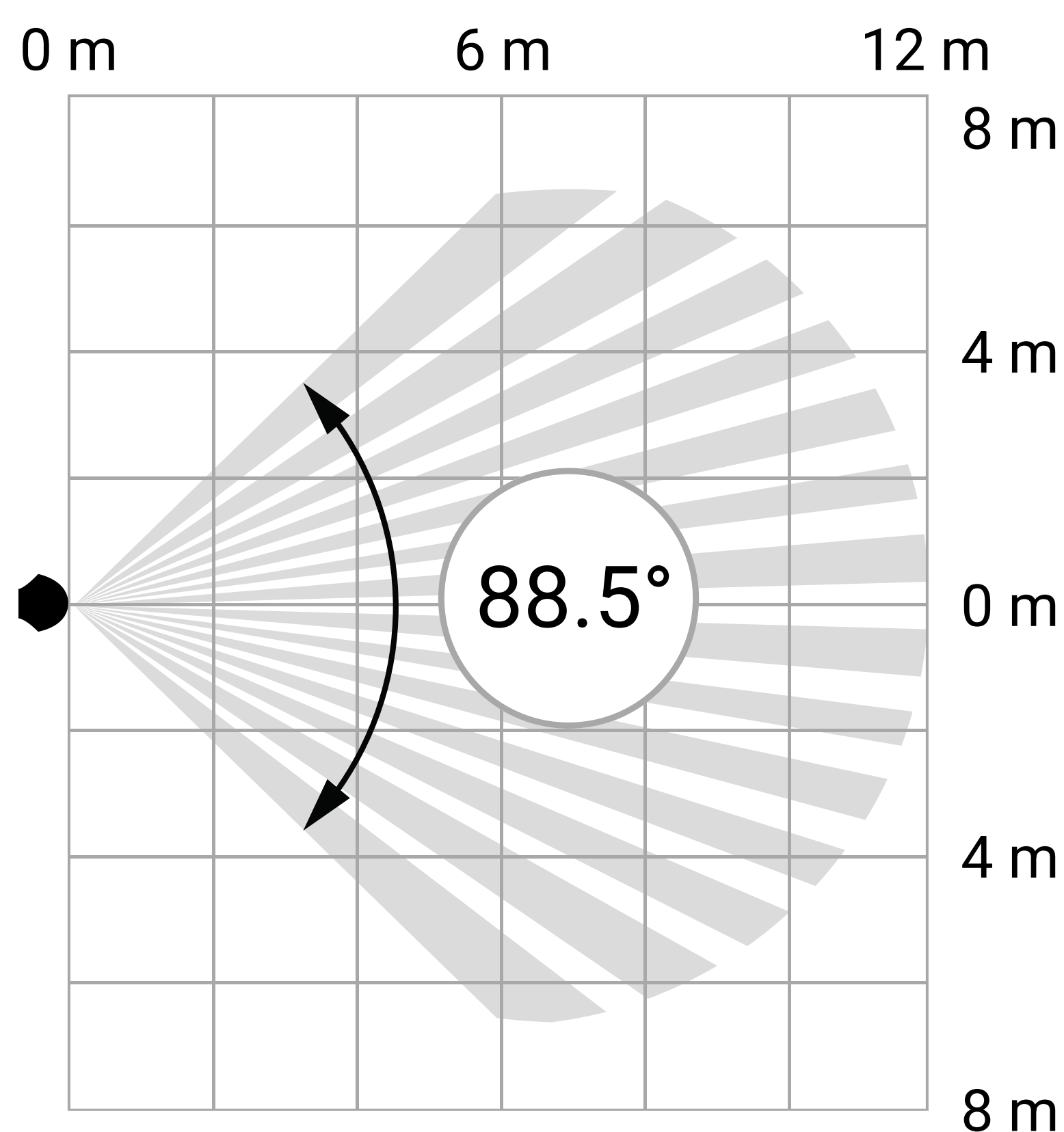
Wireless IR motion detector supporting the photo by alarm feature



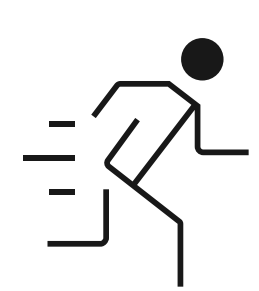
2  
GRADE  
EN 50131

PD 6662  
2017

UL®  
LISTED

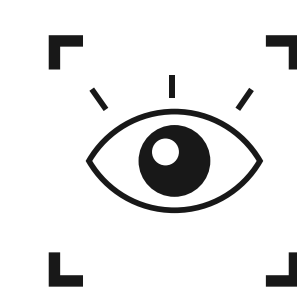


The MotionCam series includes detectors with Photo on Demand, Photo by Schedule, and Photo by Scenario features. These devices have the "PhOD" mark in the product name.



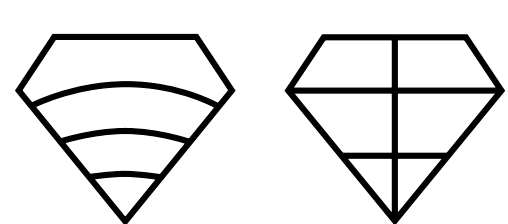
### Motion detection

- 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
- HDR<sup>2</sup> for equalizing lighting to increase image quality



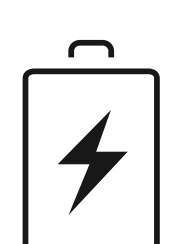
### Jeweller and Wings communication technologies

- 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<sup>1</sup> of up to 20 kg



### Flawless autonomy

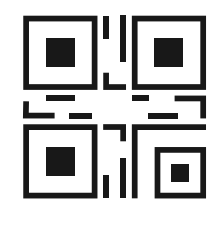
- Up to 4 years of operation from pre-installed batteries
- Low battery notifications



### Sabotage protection

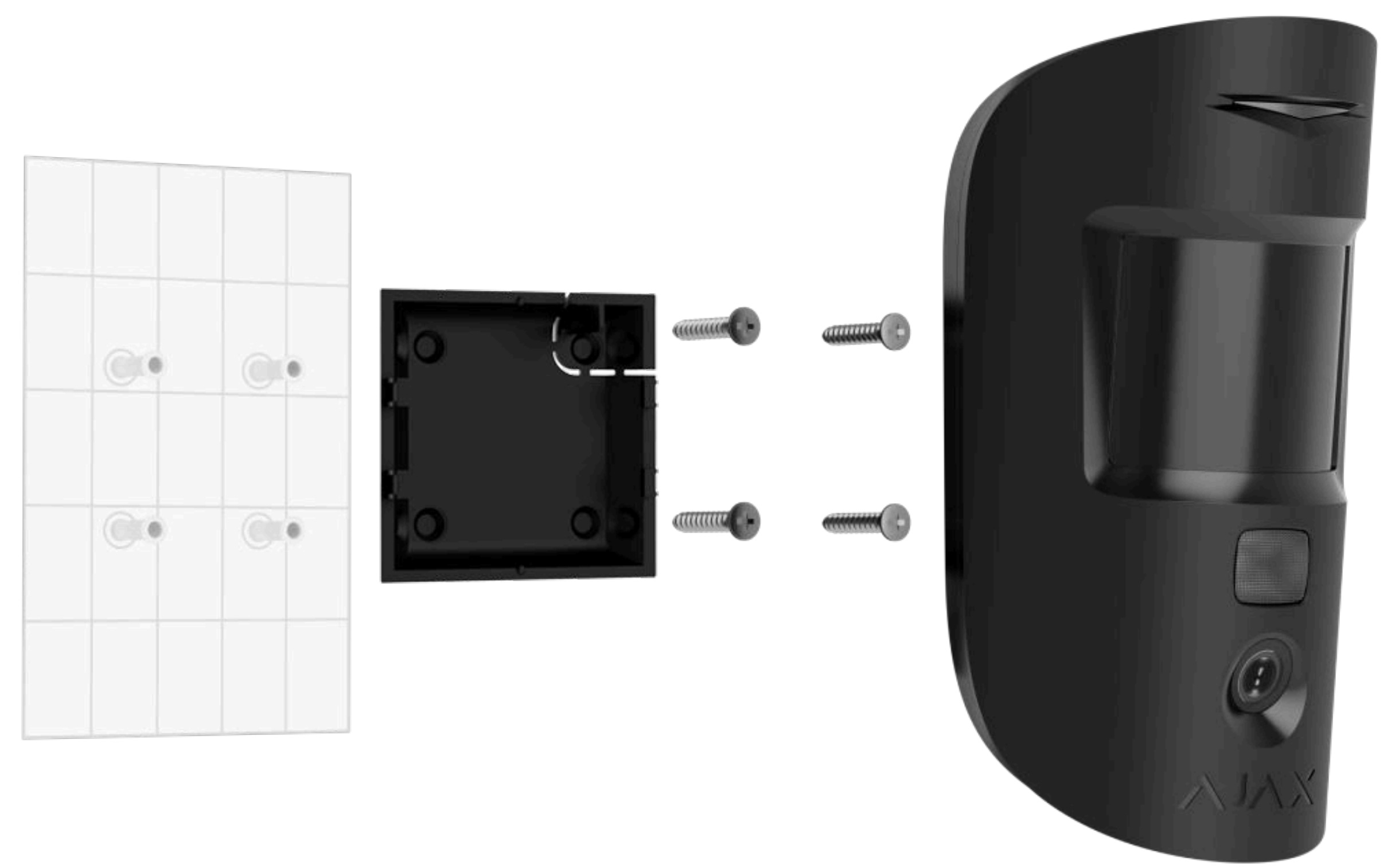
- Tamper alarm
- Device authentication to prevent spoofing





# 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.

<p><b>Compliance with standards</b></p> <p>EN 50131-2-6 (Grade 2) PD 6662:2017 UL (UL369, ULC S306)</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</b></p> <p><b>Jeweller and Wings communication technologies</b></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>Communication range</b> up to 1,700 m In an open space</p> <p><b>Polling interval</b> 12–300 s Adjusted by a PRO or a user with admin rights in the Ajax app</p> <p><b>Protection against spoofing</b> Device authentication</p>	<p><b>Photo verification</b></p> <p><b>Photo resolution in pixels</b> 640 × 480 320 × 240 (by default) 160 × 120 Adjusted by a PRO or a user with admin rights in the Ajax app</p> <p><b>Photos in a series</b> from 1 to 5 pics Adjusted by a PRO or a user with admin rights in the Ajax app</p> <p><b>Photo delivery time</b> up to 7 s – 160 × 120 pixels resolution up to 9 s – 320 × 240 pixels resolution up to 20 s – 640 × 480 pixels resolution</p>	<p><b>Motion detection</b></p> <p><b>Sensitive element</b> PIR sensor</p> <p><b>Motion detection distance</b> up to 12 m<sup>1</sup></p> <p><b>Motion detection angle</b> horizontal – 88.5°</p> <p><b>Motion detection speed</b> 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.</p> <p><b>Temperature compensation</b></p> <p><b>IR backlight</b></p> <p><b>The HDR<sup>2</sup> feature</b></p> <p><b>Sensitivity</b> 3 levels Adjusted by a PRO or a user with admin rights in the Ajax app</p> <p><b>Pet immunity</b> weight: up to 20 kg height: up to 50 cm</p>
<p><b>Power supply</b></p> <p><b>Battery</b> 2 × CR123A (pre-installed)</p> <p><b>Battery life</b> up to 4 years</p>	<p><b>Installation</b></p> <p><b>Recommended installation height</b> 2.4 m</p> <p><b>Operating temperature range</b> from –10 °C to +40 °C</p> <p><b>Operating humidity</b> up to 75%</p> <p><b>Protection class</b> IP50</p>	<p><b>Enclosure</b></p> <p><b>Color</b> white, black</p> <p><b>Dimensions</b> 110 × 65 × 50 mm</p> <p><b>Weight</b> 86 g</p>	<p><b>Complete set</b></p> <p>MotionCam Jeweller 2 × CR123A battery (pre-installed) SmartBracket mounting panel Installation kit Quick start guide</p>

<sup>1</sup> With proper installation and configuration.

<sup>2</sup> 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/](https://ajax.systems/support/devices/motioncam/)

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