

# Superior MotionCam HD (PhOD) Jeweller

Wireless PIR motion detector with extended photo verification possibilities. Supports HD resolution.

This is a device of the Superior product line. Only accredited Ajax Systems partners can sell, install, and administer Superior products.

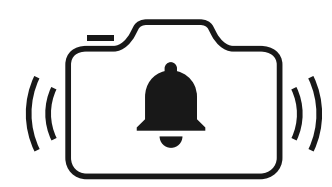
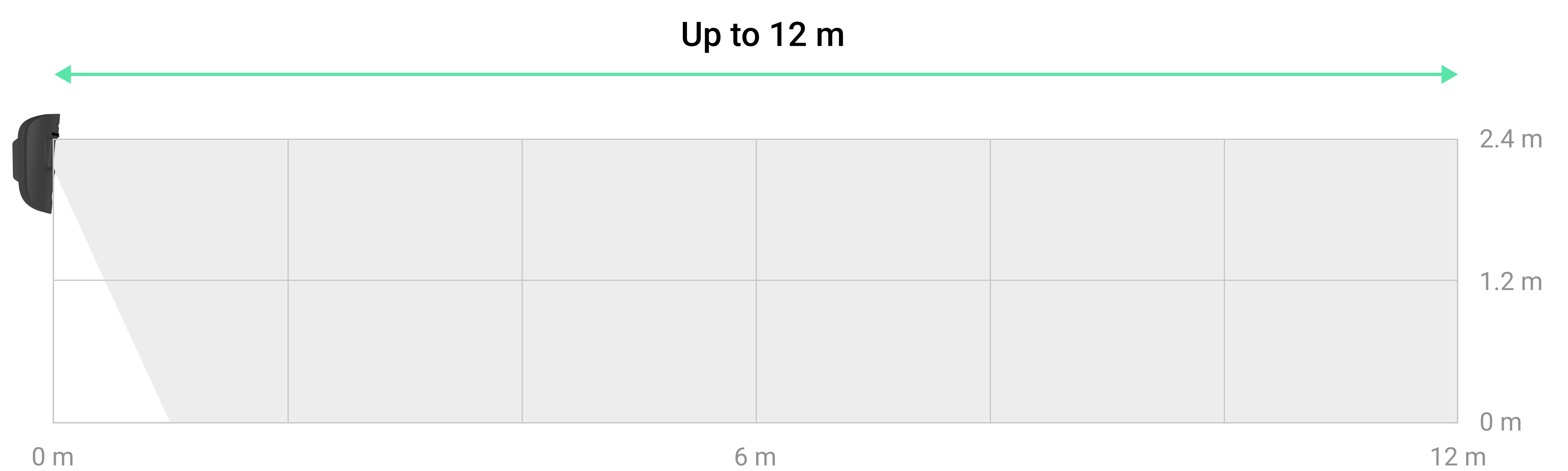
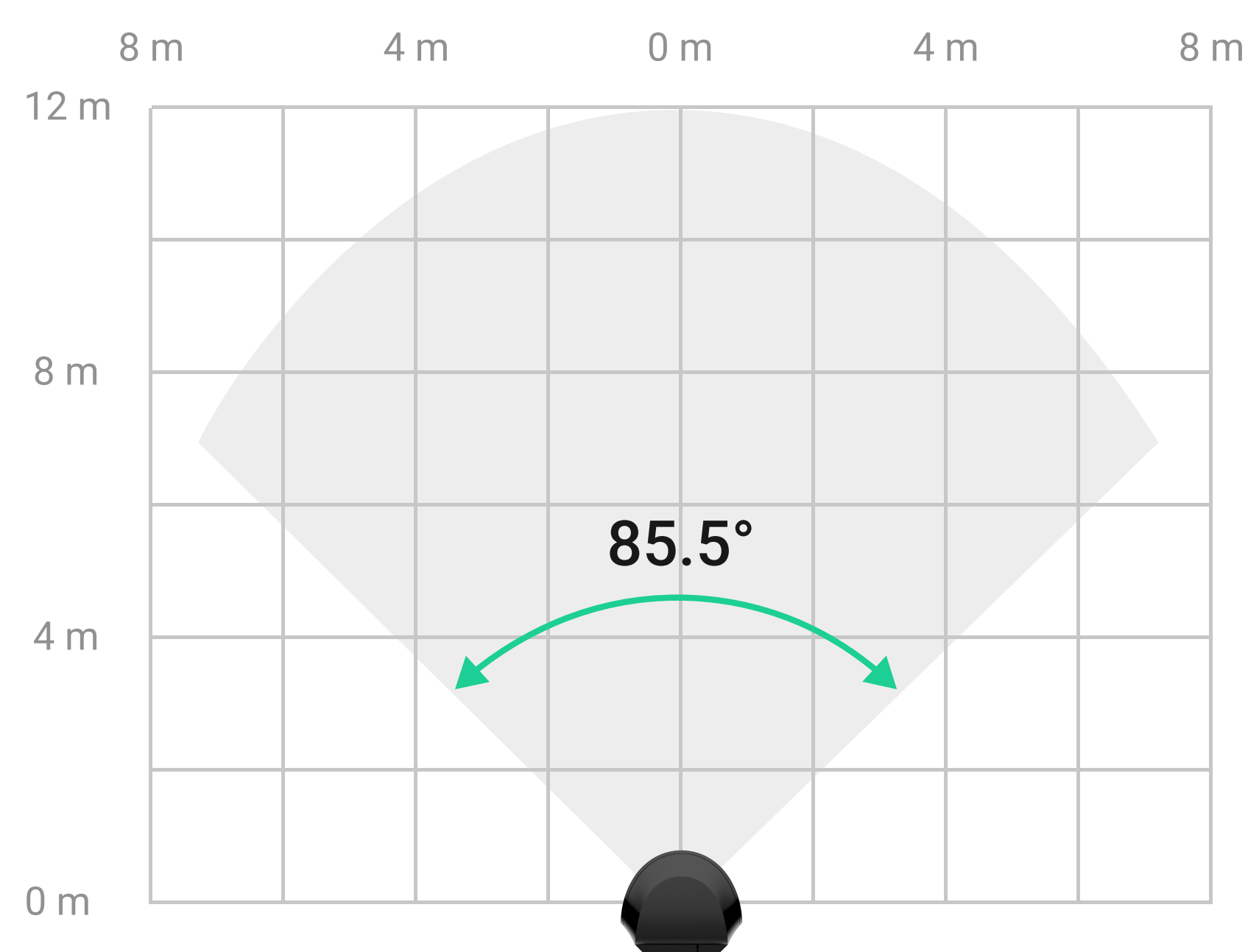


2  
GRADE  
EN 50131

PD 6662  
2017

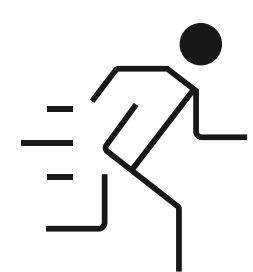
SSF

In progress



## Versatile verification possibilities

- Photo by alarm
- Photo on demand
- Photo by scenario
- Photo by schedule
- Photo by arming/disarming



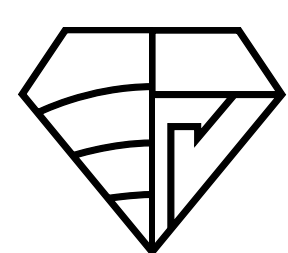
## Motion detection

- Up to 12 m (39 ft) of movement detection distance
- Horizontal viewing angle of 88.5°
- Temperature compensation from -10 °C to +40 °C (from 14 °F to 104 °F) for effective movement detection



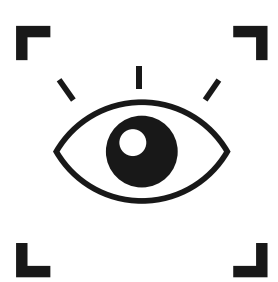
## False alarms prevention

- Four sensitivity levels adjustable through Ajax apps
- SmartDetect software algorithm to prevent false alarms
- Pet immunity



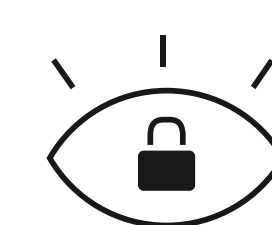
## Jeweller and TurboWings wireless communication

- Up to 1,700 m (5,550 ft) of wireless communication range in an open space
- Encrypted graphic data is stored in compliance with GDPR requirements
- Regular polling to display the current device state in apps
- Frequency hopping to prevent interception and jamming



## Photo verification

- High-definition<sup>1</sup> (HD) photos with a resolution of up to 960 × 720 pixels
- Up to 5 photos in a series<sup>2</sup>
- 4.5 s to send a photo in resolution of 320 × 240 px
- IR illumination for low light conditions
- HDR technology to get clear images in difficult lighting conditions like insufficient or excessive sunlight



## Privacy first

- The event log stores the last 500 system events with device, time, and event description
- On-demand photos are linked to the user who requested them
- Only authorized system users can access the virtual storage and view photos
- Once stored, the photos are not processed or analyzed





## Outstanding autonomy

- Up to 4 years of operation with Photo on demand feature disabled and up to 3 years with it enabled
- Low battery notification
- Pre-installed enhanced batteries



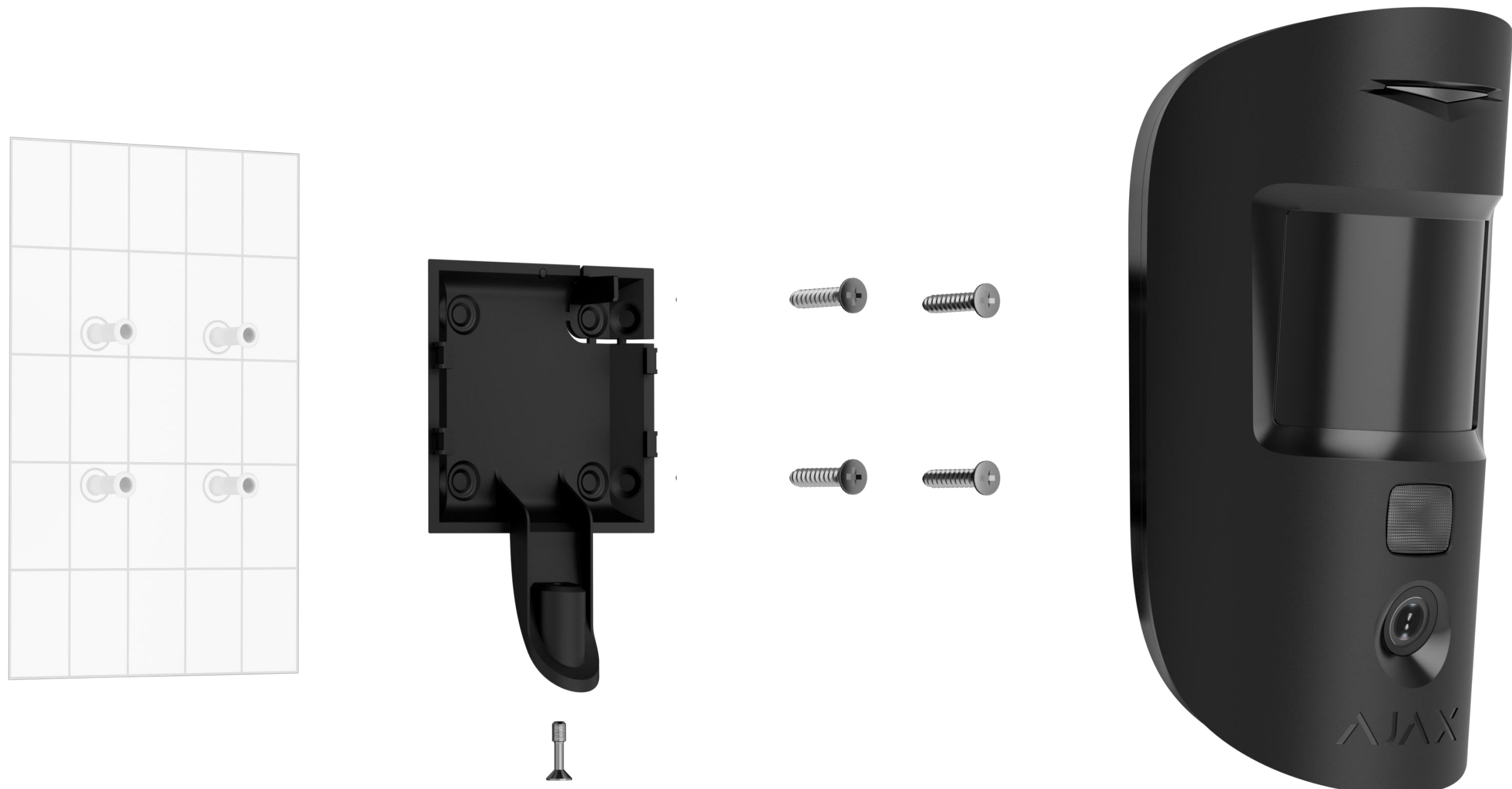
## Hassle-free installation

- Pairing with the hub by scanning the QR code
- Remote control and configuration in Ajax apps
- No need to disassemble the enclosure during installation



## Sabotage protection

- Tamper alarm to notify of attempts to dismantle the device
- Protection against spoofing with device authentication



### Compliance with standards

EN 50131-2-6 (Grade 2)  
PD 6662:2017  
SSF (in progress)

### Compatibility

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



[ajax.systems/tools/devices-compatibility/?models=MC.SPHD.J](https://ajax.systems/tools/devices-compatibility/?models=MC.SPHD.J)

### Communication with a hub or range extender

Jeweller and TurboWings communication technologies

Frequency bands  
868.0–868.6 MHz

Communication range  
up to 1,700 m  
up to 5,550 ft  
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  
960 × 720  
640 × 480  
320 × 240  
160 × 120  
Adjusted by a PRO or a user with admin rights in the Ajax app.

IR illumination

HDR technology

Support for HD photos

Photos in a series<sup>2</sup>  
from 1 to 5  
Adjusted by a PRO or a user with admin rights in the Ajax app.

Photo delivery time<sup>3</sup>  
3 s for photos in resolution of 160 × 120 pixels  
4.5 s for photos in resolution of 320 × 240 pixels  
11 s for photos in resolution of 640 × 480 pixels (default settings)  
15.5 s for HD photos (960 × 720 pixels)

### Motion detection

Sensitive element  
PIR sensor

Motion detection distance  
up to 12 m  
up to 39 ft  
When installed at a height of 2.4 m (8 ft).

Motion detection angle  
horizontal: 88.5°

Motion detection speed  
from 0.3 to 2.0 m/s  
from 1 to 6.6 ft/s  
The detector lens should be positioned perpendicular to the suspected intrusion path into the facility.

Temperature compensation

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

### Power supply

Battery  
2 × CR123A (pre-installed)

Battery life  
up to 4 years  
With Photo on demand feature disabled

up to 3 years  
With Photo on demand feature enabled

### Installation

Recommended installation height  
2.4 m  
8 ft

Operating temperature range  
from −10 °C to +40 °C  
from 14 °F to 104 °F

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  
5.9 oz

### Complete set

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




<sup>1</sup> The first photo delivery within 15.5 seconds.

<sup>2</sup> The number of photos in a series depends on the photo resolution.

<sup>3</sup> This is the time it takes for the photo to be delivered from the detector to the hub. The delivery time to the apps depends on the quality of the connection between the hub and the server, as well as the internet speed on the smartphone.



For detailed information, scan the QR code or follow the link:  
[ajax.systems/support/devices/superior-motioncam-hd-phod-jeweller/](https://ajax.systems/support/devices/superior-motioncam-hd-phod-jeweller/)

-  support@ajax.systems
-  @AjaxSystemsSupport\_Bot
-  ajax.systems