

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 maintain Superior products.

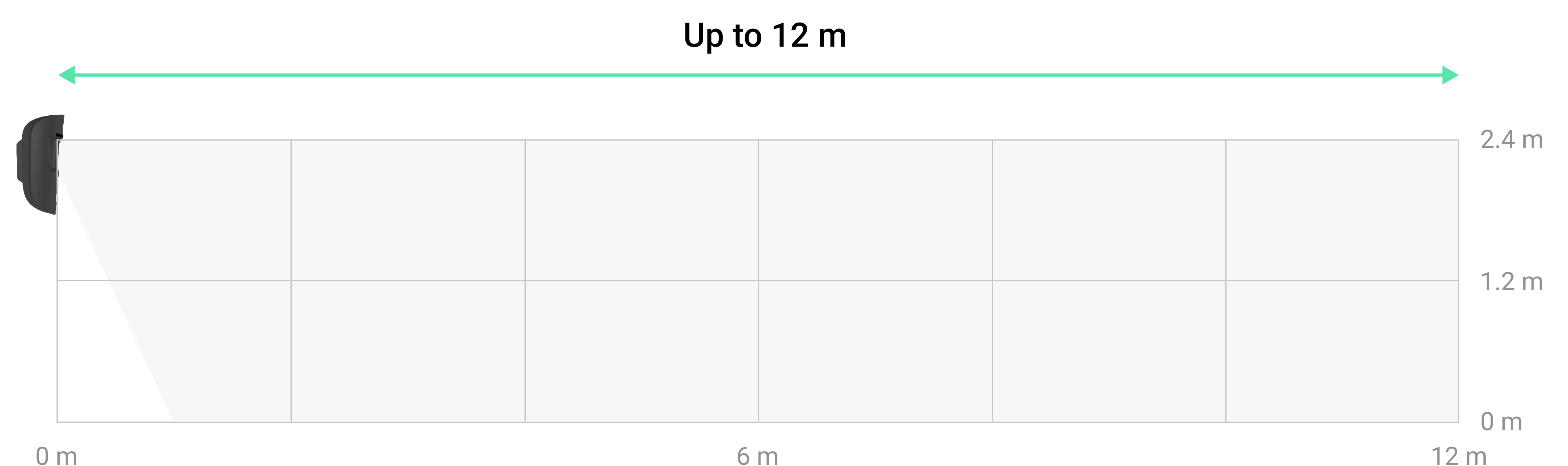
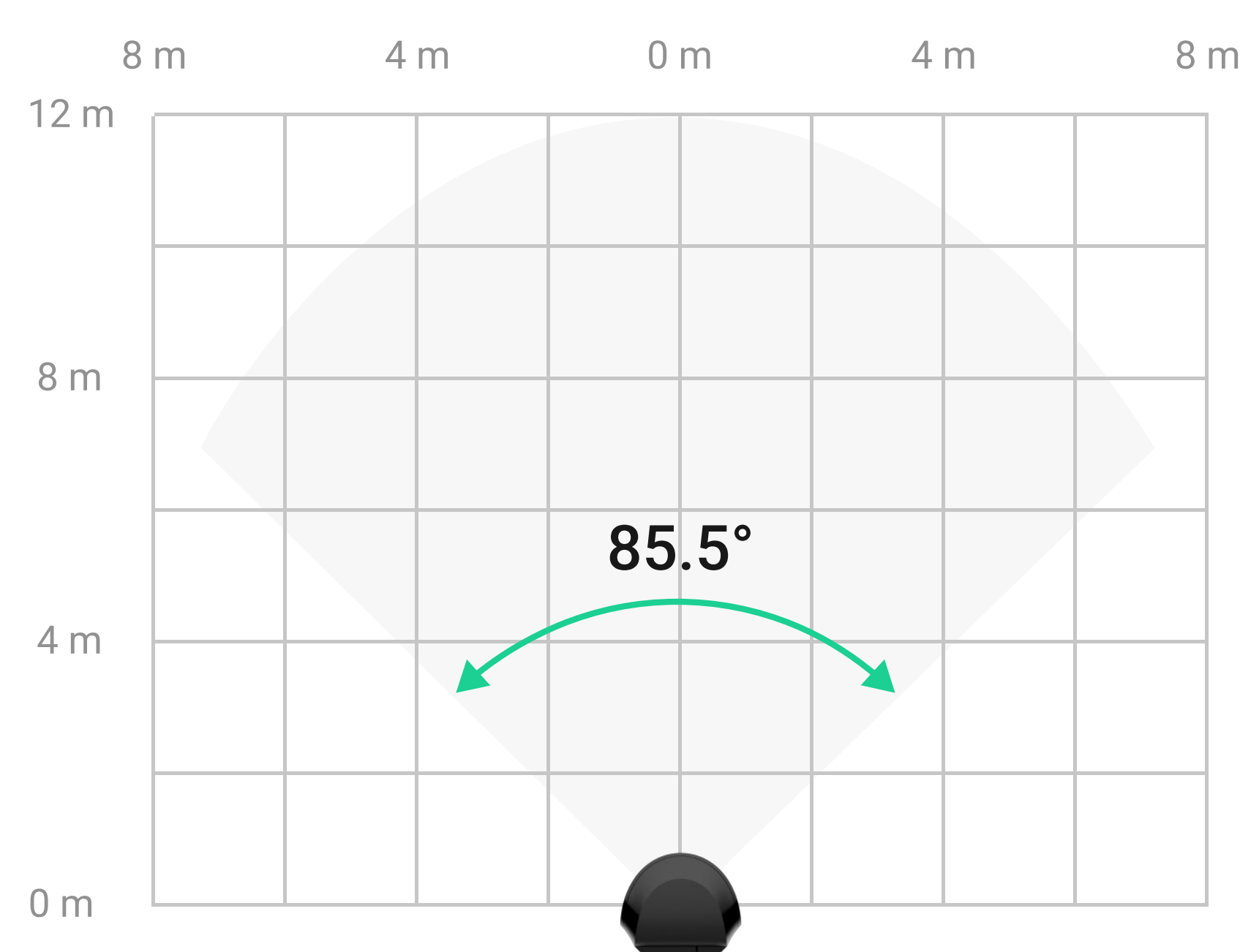


2
GRADE
EN 50131

PD 6662
2017

SSF

in progress



Versatile verification possibilities

Photo by alarm

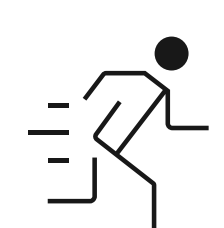
Photo on demand

Photo by scenario

Photo by schedule

Photo by arming/disarming

Photo by tamper alarm



Motion detection

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

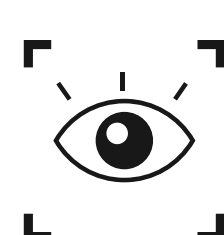


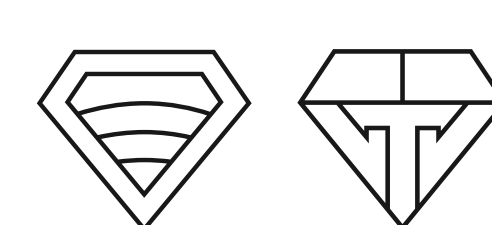
Photo verification

- High-definition¹ (HD) photos with a resolution of up to 960×720 pixels
- Up to 5 photos in a series²
- 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



False alarms prevention

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



Superior Jeweller and TurboWings communication technologies³

- Up to 3,500 m (11,450 ft) of wireless communication range in an open space³
- Two-way communication with enhanced encryption
- Regular polling to display the current device state in apps
- Jamming detection and advanced frequency hopping
- Automatic over-the-air updates³

Privacy first

- The event log stores the last 500 system events with device, time, and event description

Only authorized system users can access the virtual storage and view photos
- On-demand photos are linked to the user who requested them

Once stored, the photos are not processed or analyzed

Outstanding autonomy

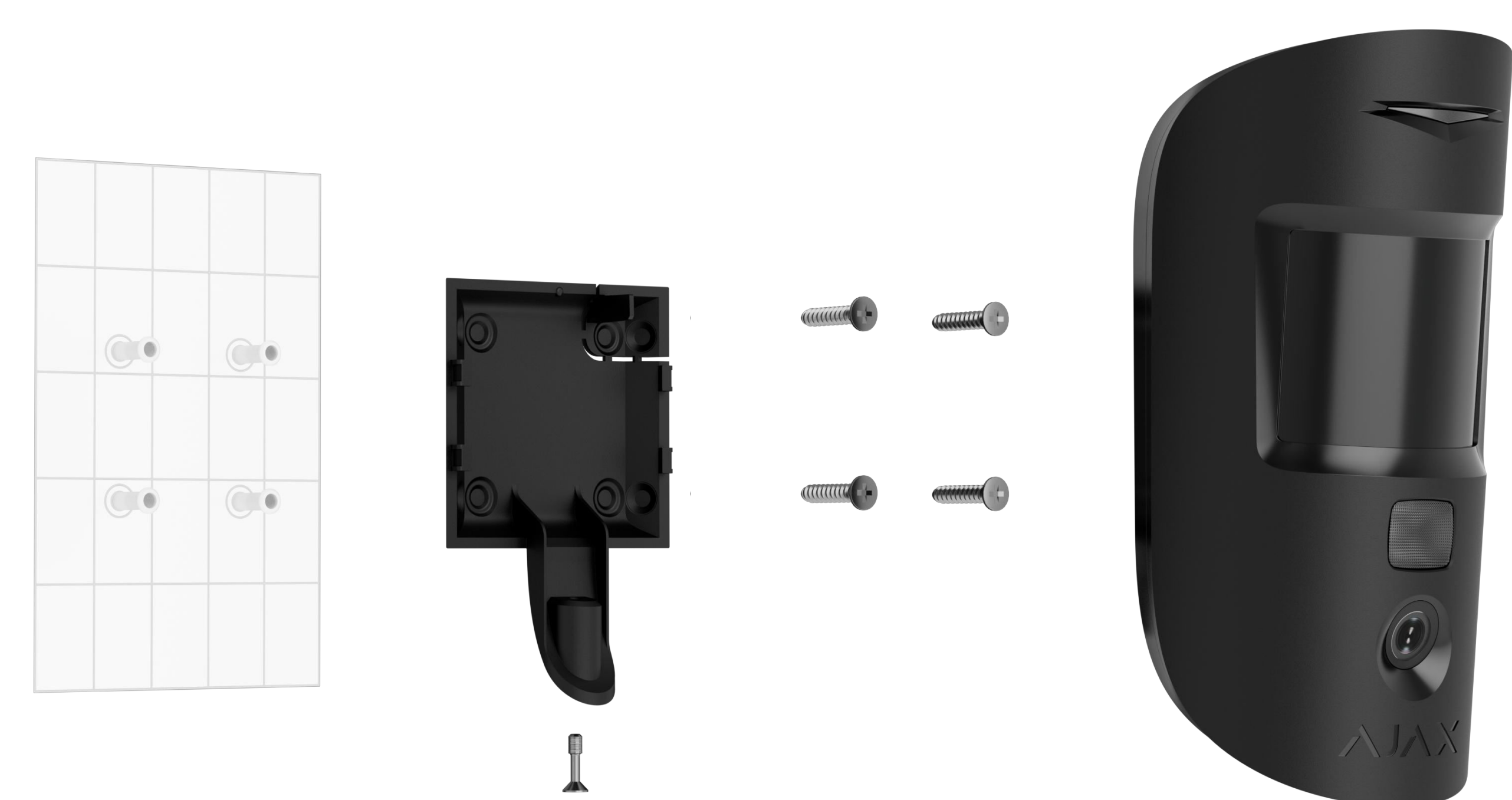
- Up to 4 years of operation with Photo on demand disabled and up to 3 years with it enabled
- Low battery notification
- Pre-installed enhanced batteries

Sabotage protection

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

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



Communication with a hub or range extender Superior Jeweller and TurboWings communication technologies³ Frequency bands 868.0–868.6 MHz Communication range up to 3,500 m up to 11,450 ft In an open space. The communication range depends on the hub model the device is connected to. 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 series² from 1 to 5 Adjusted by a PRO or a user with admin rights in the Ajax app. Photo delivery time⁴ 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.
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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	Complete set Superior MotionCam HD (PhOD) Jeweller 2 × CR123A battery (pre-installed) SmartBracket mounting panel Installation kit Quick start guide
Power supply Battery 2 × CR123A (pre-installed) Battery life up to 4 years With Photo on demand disabled up to 3 years With Photo on demand 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

¹ The first photo delivery within 15.5 seconds.

² The number of photos in a series depends on the photo resolution.

³ Superior Jeweller and automatic over-the-air updates are supported on newly manufactured detectors. The devices must be produced from March 2026 onward and run firmware version 16.132.39.30 or later.

⁴ 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 smartphone's internet speed.



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

-  support@ajax.systems
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