

Superior MotionCam AM (PhOD) Jeweller

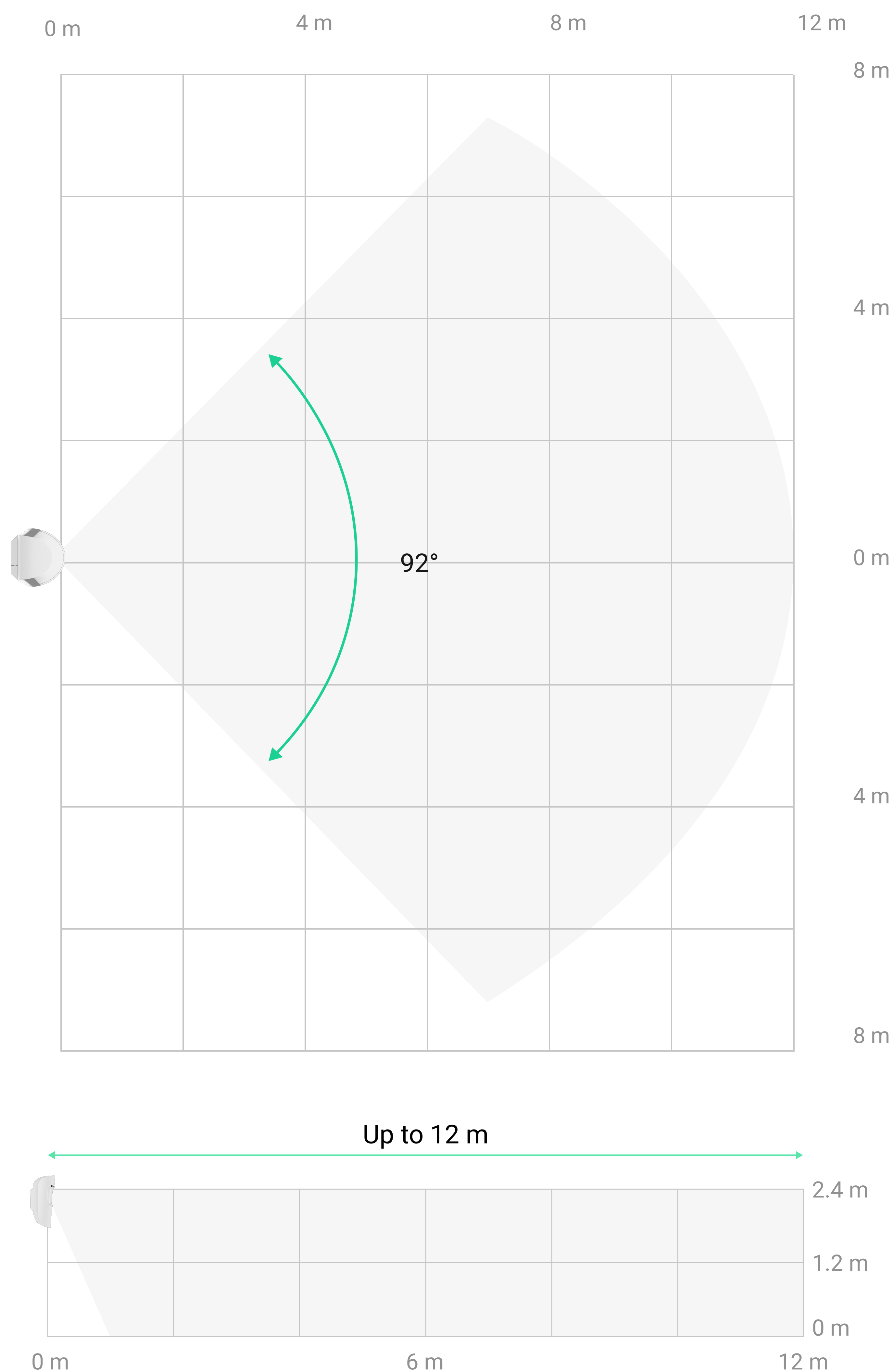
Wireless PIR motion detector with an anti-masking system and extended photo verification possibilities. Supports HD resolution.

Superior MotionCam AM (PhOD) Jeweller does not support the pet immunity feature.



2
GRADE
EN 50131

PD 6662
2017



Motion detection

- Motion detection distance of up to 12 m (39 ft)
- Horizontal motion detection angle: 92°
- Temperature compensation for motion detection at any operating temperature
- Reduced blind zone¹ under the detector of up to 80 cm (2.6 ft), consistent across all sensitivity levels
- Crawling person detection²

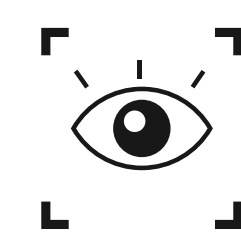
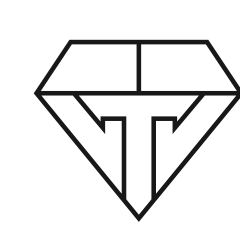
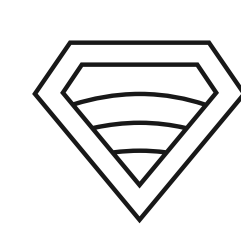


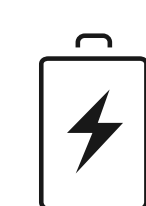
Photo verification

- Support for HD photos with up to 960 × 720 pixels resolution³
- From 1 up to 5 photos in a series⁴
- First photo delivery⁵ in 4.5 s
- Photo on demand, by alarm, by masking, by tamper alarm, by scenario, by arming/disarming and by schedule
- IR illumination for low-light conditions
- HDR for equalizing lighting to enhance image quality



Superior Jeweller and TurboWings communication technologies⁶

- Up to 3,500 m (11,450 ft) of radio communication⁷
- Two-way communication with enhanced encryption
- Regular polling to display current device states
- Jamming detection and advanced frequency hopping
- Automatic over-the-air updates⁶



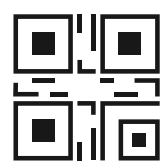
Flawless autonomy

- Up to 4 years of operation with Photo on demand disabled and up to 3 years when the feature is enabled
- Low battery notifications
- Enhanced pre-installed batteries



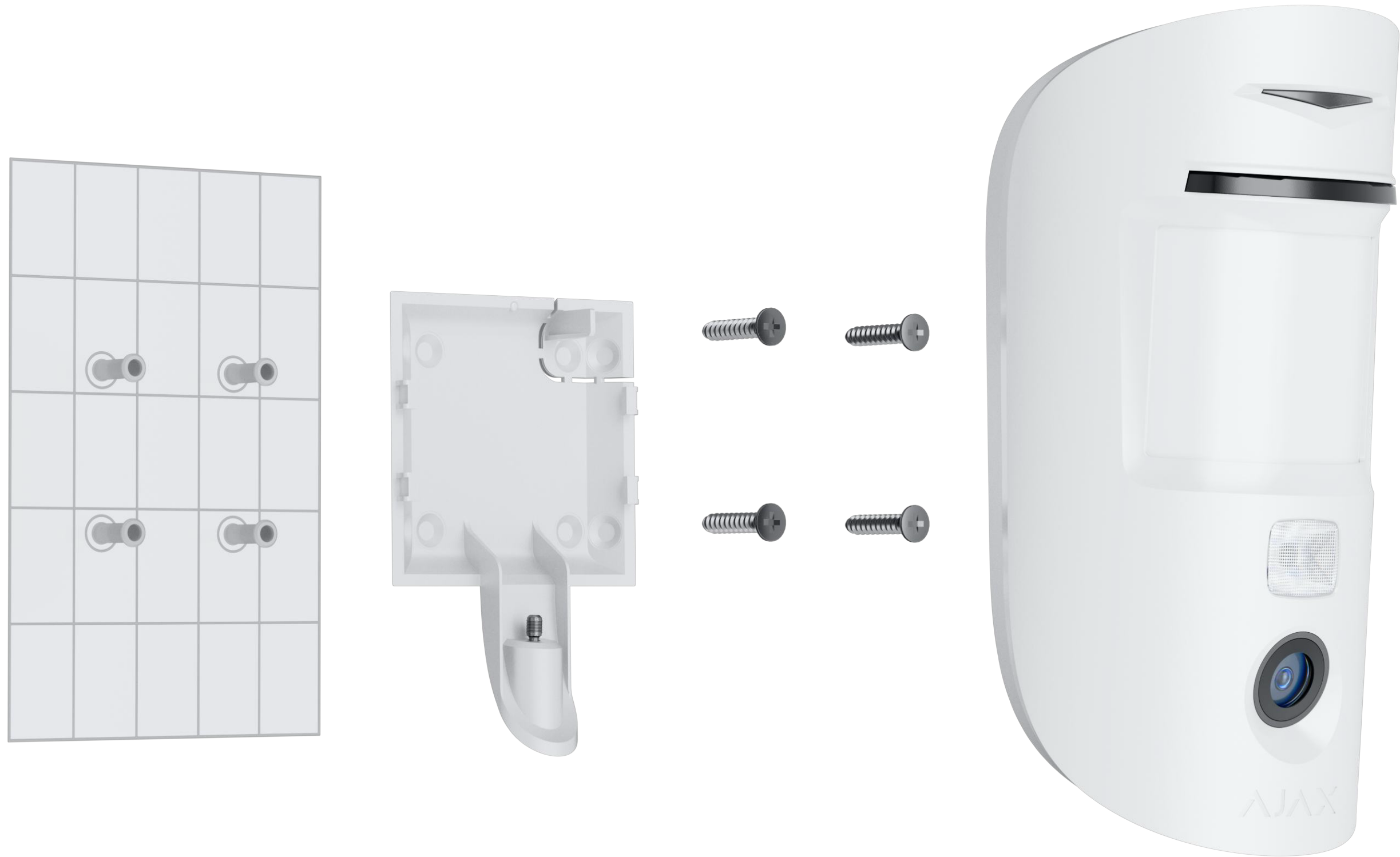
Sabotage resistance

- Masking detection: obstacle in front of the lens; paint over the lens; opaque material covering the front part of the detector
- Three sensitivity levels of masking detection to adapt to any conditions at the site
- Tamper alarm and holding screw
- 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



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

Compliance with standards EN 50131 (Grade 2) PD 6662:2017 Compatibility with hubs and range extenders For detailed information, scan the QR code or follow the link:  ajax.systems/tools/devices-compatibility/?models=MC.SAMP.J	Communication with a hub or range extender Superior Jeweller and TurboWings communication technologies ⁶ 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 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. Protection against spoofing Device authentication	Photo verification Photo resolution (in pixels) 960 × 720 640 × 480 320 × 240 160 × 120 Adjusted in Ajax apps Photos in a series from 1 to 5 pics ⁴ Adjusted in Ajax apps Photo verification types Photo on demand Photo by alarm Photo by schedule Photo by scenario Photo by masking Photo by tamper alarm Photo by arming/disarming HDR feature Support for HD photos³	Motion detection Sensitive element 1 × PIR sensor Motion detection distance up to 12 m up to 39 ft When the detector is installed at a height of 2.4 m (7.9 ft) Motion detection angle horizontal: 92° Motion detection sensitivity 3 levels Adjusted in Ajax apps Masking detection sensitivity 3 levels Adjusted in Ajax apps
Power supply Battery 2 × CR123A (pre-installed) Battery life up to 4 years With the Photo on demand feature disabled up to 3 years With the Photo on demand feature enabled	Installation Recommended installation height 2.4 m 7.9 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 Dimensions 134 × 70 × 59 mm 5.28" × 2.74" × 2.33" Weight 176 g 6.21 oz	Complete set Superior MotionCam AM (PhOD) Jeweller 2 × CR123A battery (pre-installed) SmartBracket mounting panel Installation kit Quick start guide

¹ Superior MotionCam AM (PhOD) Jeweller detects a person standing at a distance of 80 cm (2.6 ft) from the device when the detector is properly installed at a height of 2.4 m (7.9 ft). Testing was conducted with a person 175 cm (5.7 ft) tall.

² Superior MotionCam AM (PhOD) Jeweller detects a person crawling at a distance of 2 m (6.6 ft) from the device when the detector is properly installed at a height of 2.4 m (7.9 ft).

³ First photo delivery in 15.5 seconds with TurboWings protocol.

⁴ The number of photos in a series depends on the selected photo resolution.

⁵ With TurboWings protocol and photo resolution of 320x240 pixels. This is the time of delivery from the detector to the hub. Delivery time to the apps depends on the hub-server connection and smartphone's internet speed.

⁶ 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 17.132.39.30 or later.

⁷ In an open space. The communication range depends on the hub model the device is connected to.



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



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