

# Superior MotionCam AM (PhOD) Jeweller

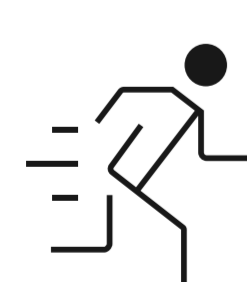
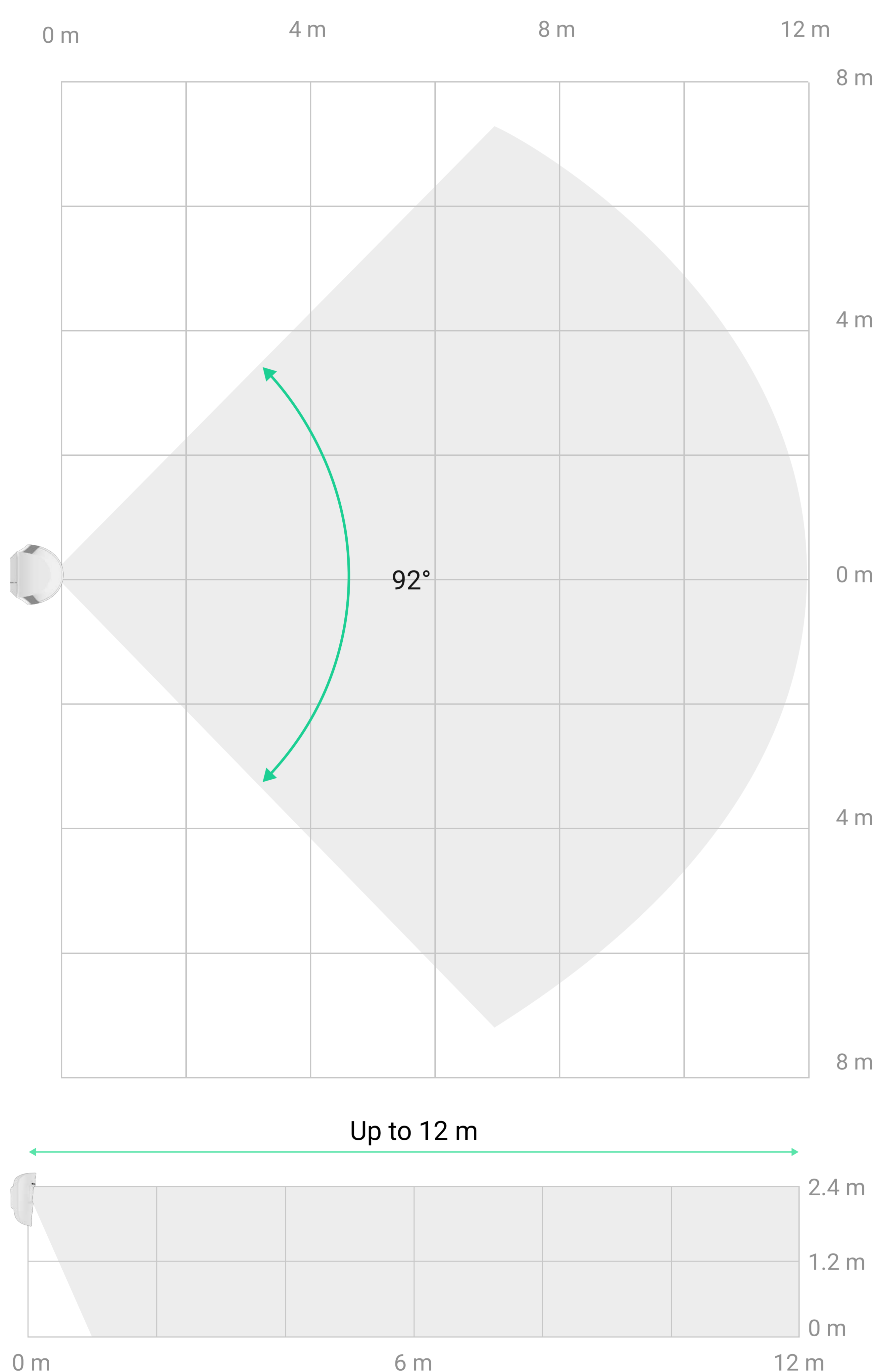
Wireless PIR motion detector with an anti-masking system. Taking on-demand photos and photos by alarm, schedule, scenario, tamper alarm, or masking attempt.



2  
GRADE  
EN 50131

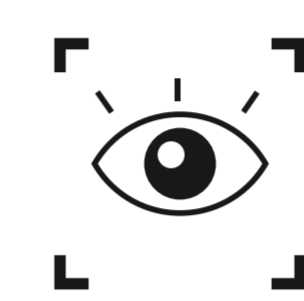
PD 6662  
2017

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



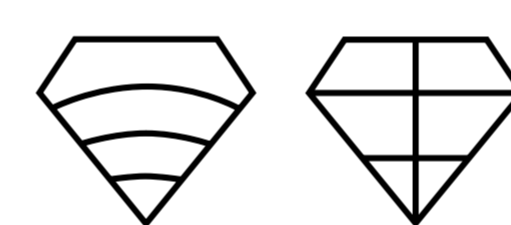
## Motion detection

- 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 zone<sup>1</sup> under the detector of up to 80 cm (2.6 ft), consistent across all sensitivity levels
- Crawling person detection<sup>2</sup>



## Photo verification

- Support for HD photos with up to 960 × 720 pixels resolution<sup>3</sup>
- From 1 up to 5 photos in a series<sup>4</sup>
- First photo delivery<sup>5</sup> in 4.5 s
- Photo on demand, by alarm, by masking, by tamper alarm, by scenario, and by schedule
- IR illumination for low-light conditions
- HDR for equalizing lighting to enhance image quality



## Jeweller and Wings communication technologies

- Up to 1,700 m (5,600 ft) of radio communication<sup>6</sup>
- Data is encrypted throughout the transmission process
- Regular polling to display current device states
- Frequency hopping to prevent radio interference and jamming



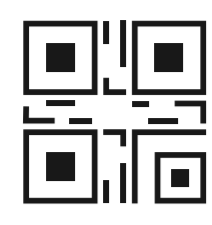
## Flawless autonomy

- 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



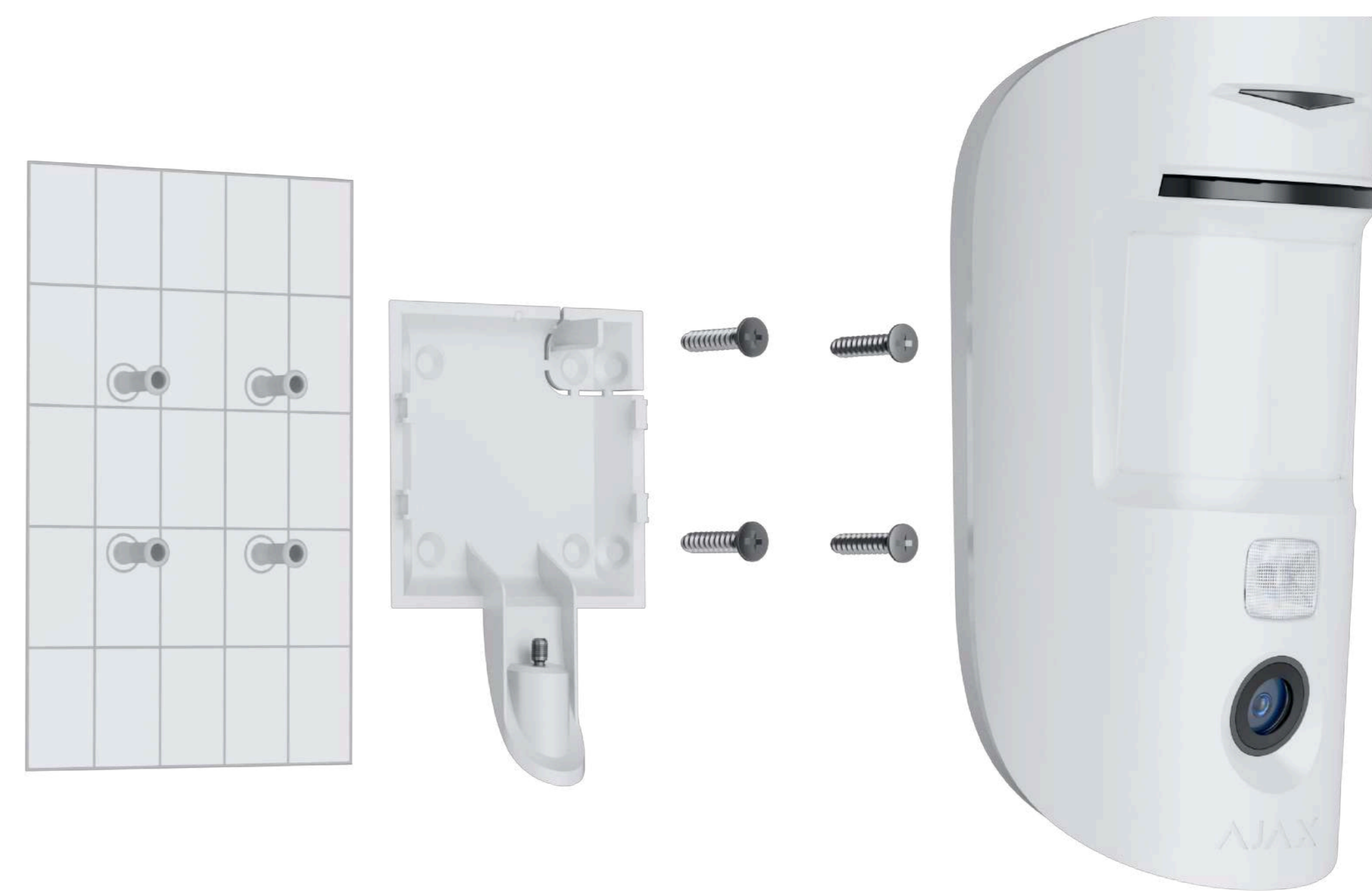
## Sabotage resistance

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

<p><b>Compliance with standards</b></p> <p>EN 50131-2-6 (Grade 2) PD 6662:2017</p> <p><b>Compatibility</b></p> <p><b>Hubs</b> Hub 2 (2G) Jeweller Hub 2 (4G) Jeweller Hub 2 Plus Jeweller Hub BP 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 up to 5,600 ft In an open space</p> <p><b>Protection against spoofing</b> Device authentication</p>	<p><b>Photo verification</b></p> <p><b>Photo resolution (in pixels)</b> 960 × 720 640 × 480 320 × 240 160 × 120 Adjusted in Ajax apps</p> <p><b>Photos in a series</b> from 1 to 5 pics<sup>4</sup> Adjusted in Ajax apps</p> <p><b>Photo verification types</b> Photo on demand Photo by alarm Photo by schedule Photo by scenario Photo by masking Photo by tamper alarm</p> <p><b>The HDR feature</b></p> <p><b>Support for HD photos<sup>3</sup></b></p>	<p><b>Motion detection</b></p> <p><b>Sensitive element</b> 1 × PIR sensor</p> <p><b>Motion detection distance</b> up to 12 m up to 39 ft When the detector is installed at a height of 2.4 m (7.9 ft)</p> <p><b>Motion detection angle</b> horizontal: 92°</p> <p><b>Motion detection sensitivity</b> 4 levels Adjusted in Ajax apps</p> <p><b>Masking detection sensitivity</b> 3 levels Adjusted in Ajax apps</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 With the Photo on demand feature disabled</p> <p>up to 3 years With the Photo on demand feature enabled</p>	<p><b>Installation</b></p> <p><b>Recommended installation height</b> 2.4 m 7.9 ft</p> <p><b>Operating temperature range</b> from -10 °C to +40 °C from 14 °F to 104 °F</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</p> <p><b>Dimensions</b> 134 × 70 × 59 mm 5.28" × 2.74" × 2.33"</p> <p><b>Weight</b> 176 g 6.21 oz</p>	<p><b>Complete set</b></p> <p>Superior MotionCam AM (PhOD) Jeweller 2 × CR123A battery (pre-installed) SmartBracket mounting panel Installation kit Quick start guide</p>

<sup>1</sup> 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.

<sup>2</sup> Superior MotionCam AM (PhOD) Jeweller detects a person crawling at a distance of 2 m (6.56 ft) from the device when the detector is properly installed at a height of 2.4 m (7.9 ft).

<sup>3</sup> The firmware version confirmation is required. First photo delivery in 16 seconds with TurboWings protocol.

<sup>4</sup> The number of photos in a series depends on the selected photo resolution.

<sup>5</sup> With TurboWings protocol and photo resolution of 320x240 pixels. The firmware version confirmation is required. This is the time it takes for the photo to be delivered from the detector to the hub. Delivery to the apps depends on the hub-server connection and the smartphone's internet speed. Up to 9 seconds with Wings protocol at the same photo resolution.

<sup>6</sup> In an open space.



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

[ajax.systems/support/devices/superior-motioncam-am-phod-jeweller/](https://ajax.systems/support/devices/superior-motioncam-am-phod-jeweller/)

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