

Superior MotionCam AM (PhOD) Jeweller

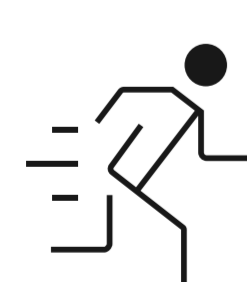
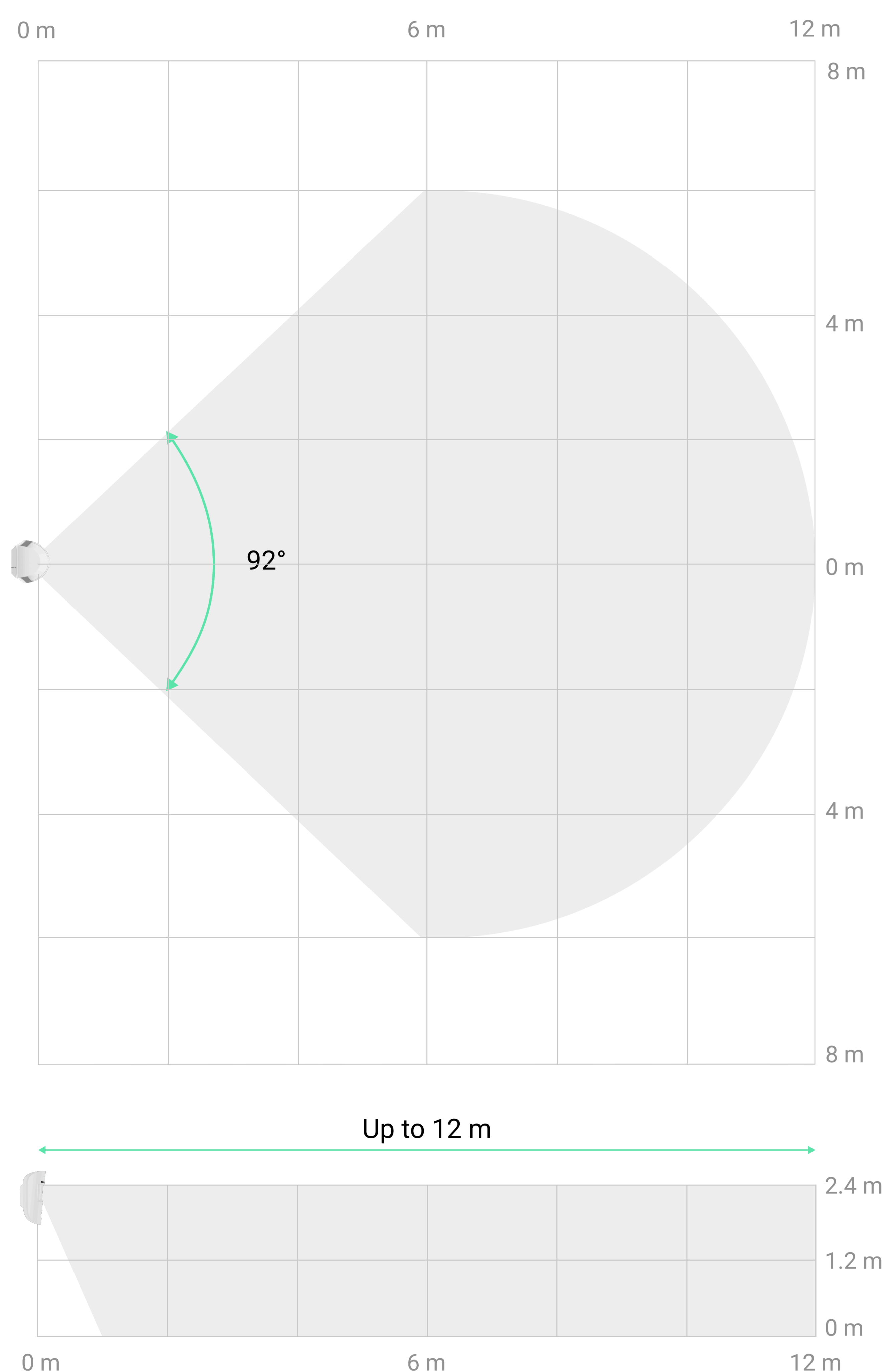
Wireless PIR motion detector with an anti-masking system. Taking on-demand photos and photos by alarm, schedule, scenario, tamper alarm, or masking attempt.



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 zone¹ under the detector of up to 80 cm (2.6 ft), consistent across all sensitivity levels
- Crawling person detection²

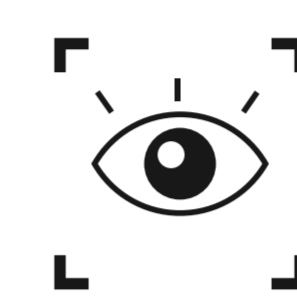
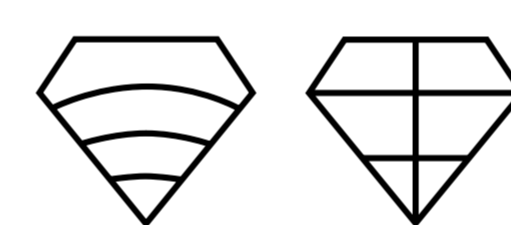


Photo verification

- 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, 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 communication⁶
- Data is encrypted throughout the transmission process
- Regular polling to display current device states
- Frequency hopping to prevent radio interference and jamming



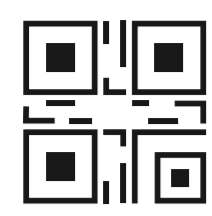
Flawless autonomy

- 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



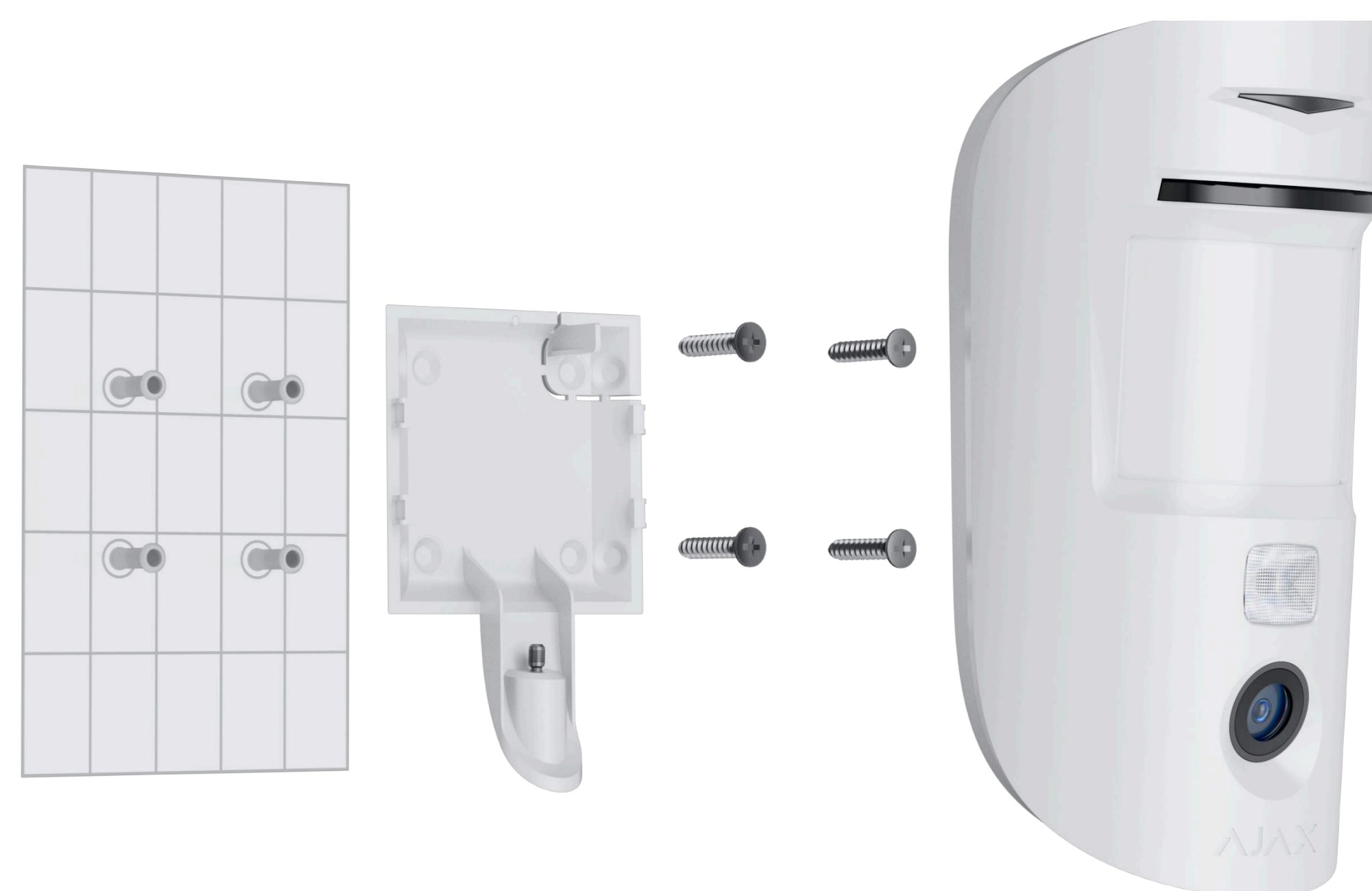
Sabotage resistance

- 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>Compliance with standards</p> <p>EN 50131-2-6 (Grade 2) PD 6662:2017</p> <p>Compatibility</p> <p>Hubs Hub 2 (2G) Jeweller Hub 2 (4G) Jeweller Hub 2 Plus Jeweller Hub BP Jeweller Hub Hybrid (2G) Hub Hybrid (4G)</p> <p>Range extenders ReX 2 Jeweller</p>	<p>Communication with a hub</p> <p>Jeweller and Wings communication technologies</p> <p>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</p> <p>Communication range up to 1,700 m up to 5,600 ft In an open space</p> <p>Protection against spoofing Device authentication</p>	<p>Photo verification</p> <p>Photo resolution (in pixels) 960 × 720 640 × 480 320 × 240 160 × 120 Adjusted in Ajax apps</p> <p>Photos in a series from 1 to 5 pics⁴ Adjusted in Ajax apps</p> <p>Photo verification types Photo on demand Photo by alarm Photo by schedule Photo by scenario Photo by masking Photo by tamper alarm</p> <p>The HDR feature</p> <p>Support for HD photos³</p>	<p>Motion detection</p> <p>Sensitive element 1 × PIR sensor</p> <p>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)</p> <p>Motion detection angle horizontal: 92°</p> <p>Motion detection sensitivity 4 levels Adjusted in Ajax apps</p> <p>Masking detection sensitivity 3 levels Adjusted in Ajax apps</p>
<p>Power supply</p> <p>Battery 2 × CR123A (pre-installed)</p> <p>Battery life 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>Installation</p> <p>Recommended installation height 2.4 m 7.9 ft</p> <p>Operating temperature range from -10 °C to +40 °C from 14 °F to 104 °F</p> <p>Operating humidity up to 75%</p> <p>Protection class IP50</p>	<p>Enclosure</p> <p>Color white</p> <p>Dimensions 134 × 70 × 59 mm 5.28" × 2.74" × 2.33"</p> <p>Weight 176 g 6.21 oz</p>	<p>Complete set</p> <p>Superior MotionCam AM (PhOD) Jeweller 2 × CR123A battery (pre-installed) SmartBracket mounting panel Installation kit Quick start guide</p>

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 (6.56 ft) from the device when the detector is properly installed at a height of 2.4 m (7.9 ft).

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

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

⁵ With TurboWings protocol and default photo resolution. The firmware version confirmation is required. Up to 9 seconds with Wings protocol and default photo resolution.

⁶ In an open space.



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

ajax.systems/support/devices/superior-motioncam-am-phod-jeweller/

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