

Superior MotionCam AM (PhOD) Jeweller

Wireless PIR motion detector that takes on-demand photos and photos by alarm, schedule, or scenario. Equipped with an anti-masking system. Superior edition.

Communication	<p>Jeweller communication technology Proprietary wireless communication technology to transmit commands, alarms, and events.</p> <p>Key features:</p> <ul style="list-style-type: none">• Two-way communication.• Advanced sabotage protection.• Block encryption featuring a dynamic key.• Instant notifications.• Remote control and configuration in Ajax apps. <p>Frequency bands 868.0–868.6 MHz</p> <p>Maximum effective radiated power (ERP) up to 20 mW Automatic power control to reduce power consumption and noise interference.</p> <p>Radio signal modulation GFSK</p> <p>Radio signal range up to 1,700 m up to 5,600 ft Between the detector and a hub (or a range extender) in an open space.</p> <p>Encrypted communication All the data stored and transmitted are protected by block encryption with a dynamic key.</p> <p>Frequency hopping Radio communication uses frequency hopping to prevent interception and jamming.</p> <p>Wings communication technology Proprietary wireless communication technology to transmit photo verifications.</p> <p>Key features:</p> <ul style="list-style-type: none">• Two-way communication.• Block encryption featuring a dynamic key.• Advanced sabotage protection.• Reloading the data packages in case of transmission errors.• Photo delivery check. <p>Frequency bands 868.0–868.6 MHz</p> <p>Radio signal range up to 1,700 m up to 5,600 ft Between the detector and a hub (or a range extender) in an open space.</p> <p>Encrypted communication All the data stored and transmitted are protected by block encryption with a dynamic key.</p> <p>Frequency hopping</p>
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	Radio communication uses frequency hopping to prevent interception and jamming.
Detection	<p>Sensitive elements 1 × PIR sensor</p> <p>Motion detection distance up to 12 m up to 39 ft When installed at a height of 2.4 m. When installed at a height of 7.9 ft.</p> <p>Reduced blind zone from 80 cm from 2.6 ft It detects a standing person at a distance of 80 cm from the device when the detector is properly installed at a height of 2.4 m. Does not depend on the sensitivity level. Testing was performed with a person of 175 cm height. It detects a standing person at a distance of 2.6 ft from the device when the detector is properly installed at a height of 7.9 ft. Does not depend on the sensitivity level. Testing was performed with a person of 5.74 ft height.5.74</p> <p>Crawling detection zone from 2 m (TBC) from 6.56 ft (TBC) Detects a person crawling at a distance of 2 m from the device when the detector is properly installed at a height of 2.4 m. The test results may be updated. Detects a person crawling at a distance of 6.56 ft from the device when the detector is properly installed at a height of 7.9 ft. The test results may be updated.</p> <p>Motion detection angles horizontal: 92°</p> <p>Motion detection speed from 0.2 to 2.0 m/s from 0.66 to 6.6 ft/s The direction of the detector sensors should be perpendicular to an alleged intrusion path into the facility.</p> <p>Sensitivity 4 levels Adjusted by a PRO or a user with admin rights in Ajax apps.</p> <p>Temperature compensation Effective motion detection at temperatures from –10 °C to +40 °C. Effective motion detection at temperatures from 14 °F to 104 °F.</p> <p>False alarm prevention SmartDetect Software algorithm.</p>
Photo verification	<p>Photo by alarm A built-in camera is activated if the detector is armed and motion is detected.</p> <p>Photo by tamper alarm A built-in camera takes a photo if the tamper triggering is detected. The feature is disabled by default.</p> <p>Photo by masking A built-in camera takes a photo if the masking is detected. The feature is disabled by default.</p> <p>Photo on demand The user takes photos at any time or when the detector is armed (depending on settings). The feature is disabled by default.</p> <p>Photo by scenario</p>

	<p>The detector’s camera takes photos automatically when other Ajax detectors are triggered. The feature is disabled by default.</p> <p>Photo by schedule The detector automatically takes photos at a specified time.</p> <p>Adjustable photo resolution 960 × 720 px* 640 × 480 px (by default) 320 × 240 px 160 × 120 px Adjusted by a PRO or a user with admin rights in an Ajax app. * The firmware version confirmation is required. First photo delivery in 15.5 seconds with TurboWings protocol.</p> <p>IR illumination For photography at night and in low-light conditions.</p> <p>Series of pictures from 1 to 5 images with a resolution of 320 × 240 px or 160 × 120 px from 1 to 3 images with a resolution of 640 × 480 px or 960 × 720 px* Adjusted by a PRO or a user with admin rights in an Ajax app. * The firmware version confirmation is required. First photo delivery in 15.5 seconds with TurboWings protocol.</p> <p>Photo delivery time up to 3 s — 160 × 120 px resolution up to 4.5 s — 320 × 240 px resolution up to 11 s — 640 × 480 px resolution up to 15.5 s — 960 × 720 px resolution Photo delivery time depends on the image resolution selected in the device settings.</p>
Recommendations	<p>It is recommended that the detector be installed at a height of 2.4 m/7.9 ft.</p> <p>The pet immunity feature is not available for this device.</p> <p>The device is designed for indoor use only.</p>
Sabotage protection	<p>Tamper alarm 1 tamper Notifications of attempts to detach the detector from the surface or unlock the SmartBracket and remove the detector from the mounting panel.</p> <p>Protection against spoofing device authentication</p> <p>Anti-masking system detects attempts to block the detector view</p> <p>Communication loss detection after 36 s Detection time depends on the Jeweller/Fibra settings.</p>
Power supply	<p>Batteries 2 × CR123A Pre-installed.</p> <p>Type Type C.</p> <p>Calculated 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>Detector's operating voltage range 4.2–6.2 V\approx</p> <p>Detector's nominal operating voltage 6 V\approx</p> <p>Quiescent detector's current consumption at nominal voltage 0.040 mA</p> <p>Maximum detector's current consumption at nominal voltage 400 mA</p> <p>Full capacity 3,300 mAh</p> <p>Low battery voltage 4.85 V\approx</p> <p>Low battery recovery voltage 4.9 V\approx</p> <p>End-of-life battery voltage 4.2 V\approx The device is switched off.</p> <p>End-of-life battery capacity 600 mAh</p>
Enclosure	<p>Dimensions 134 × 70 × 59 mm 5.28" × 2.74" × 2.33"</p> <p>Weight 176 g 6.21 oz</p> <p>Operating temperature range from –10 °C to +40 °C from 14 °F to 104 °F</p> <p>Operating humidity up to 75% non-condensing</p> <p>Protection class IP50</p>
Color	White
Complete set	Superior MotionCam AM (PhOD) Jeweller SmartBracket mounting panel Installation kit Quick start guide
Warranty	24 month