

# MotionCam S (PhOD)

Wireless motion detector with photo verification. Developed for projects

<b>Compatibility</b>	<b>Control panels</b> Hub 2 (2G) Jeweller Hub 2 (4G) Jeweller Hub 2 Plus Jeweller Hub Hybrid (2G) Hub Hybrid (4G)  <b>Range extenders</b> ReX 2 Jeweller
<b>Communication</b>	<b>Jeweller communication technology</b> Proprietary wireless communication technology to transmit commands, alarms, and events.  Key features: <ul style="list-style-type: none"><li>• Two-way communication.</li><li>• Advanced sabotage protection.</li><li>• Block encryption featuring a dynamic key.</li><li>• Instant notifications.</li><li>• Remote configuration in the Ajax apps.</li></ul> <b>Frequency bands</b> 868.0–868.6 MHz  <b>Maximum effective radiated power (ERP)</b> up to 20 mW Automatic power control to reduce power consumption and noise interference.  <b>Radio signal modulation</b> GFSK  <b>Radio signal range</b> up to 1,700 m up to 5,600 ft Between detector and control panel (or range extender) in an open space.  <b>Encrypted communication</b> All the data stored and transmitted are protected by block encryption with a dynamic key.  <b>Frequency hopping</b> Radio communication uses frequency hopping to prevent interception and jamming.  <b>Wings communication technology</b>  Proprietary wireless communication technology to transmit photo verifications.  Key features: <ul style="list-style-type: none"><li>• Two-way communication.</li><li>• Block encryption featuring a dynamic</li></ul>

	<p>key.</p> <ul style="list-style-type: none"> <li>• Advanced sabotage protection.</li> <li>• Reloading the data packages in case of transmission errors.</li> <li>• Photo delivery check.</li> </ul> <p><b>Frequency bands</b> 868.0–868.6 MHz</p> <p><b>Radio signal range</b> up to 1,700 m up to 5,600 ft Between detector and hub or range extender in an open space.</p> <p><b>Encrypted communication</b> All the data stored and transmitted are protected by block encryption with a dynamic key.</p> <p><b>Frequency hopping</b> Radio communication uses frequency hopping to prevent interception and jamming.</p>
<p><b>Detection</b></p>	<p><b>Sensitive element</b> PIR sensor</p> <p><b>Motion detection distance</b> up to 12* m up to 39 ft When installed at the height of 2.4 m. When installed at the height of 7.9 ft.</p> <p>* – 10 m according to INCERT (with high sensitivity level) * – 32.8 ft according to INCERT (with high sensitivity level)</p> <p><b>Motion detection angles</b> horizontal: 88.5°</p> <p><b>Motion detection speed</b> from 0.3 to 2 m/s from 1 to 6.6 ft/s The direction of the detector lens should be perpendicular to an alleged intrusion path into the facility.</p> <p><b>Sensitivity</b> 3 levels Adjusted by PRO or user with admin rights in the Ajax app</p> <p><b>Pet immunity</b> weight: up to 20 kg weight: up to 44 lb height: up to 50 cm height: up to 1.6 ft <a href="#"><u>Learn more &gt;</u></a></p> <p><b>False alarm prevention</b> SmartDetect</p>

	<p>Software algorithm.</p> <p><b>Temperature compensation</b> Effective motion detection at temperatures from <math>-10^{\circ}\text{C}</math> to <math>+40^{\circ}\text{C}</math>. from <math>14^{\circ}\text{F}</math> to <math>104^{\circ}\text{F}</math>.</p>
<b>Photo verification</b>	<p><b>Photo by Alarm</b> A built-in camera is activated if the detector is armed and motion is detected.</p> <p><b>Photo on Demand</b> The user takes pictures at any time or when the detector is armed (depending on settings). The feature is disabled by default.</p> <p><b>Photo by Scenario</b> The detector's camera takes pictures automatically when other Ajax detectors are triggered. The feature is disabled by default.</p> <p><b>Photo by Schedule</b> The detector automatically takes photos at a specified time. This feature is available for hubs (except Hub Jeweller) with firmware version OS Malevich 2.19 or higher.</p> <p><b>Adjustable photo resolution</b> 640 × 480 px 320 × 240 px (by default) 160 × 120 px Adjusted by PRO or user with admin rights in the Ajax app.</p> <p><b>IR backlight</b> For night photography and low light conditions.</p> <p><b>Series of pictures</b> 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 Adjusted by PRO or user with admin rights in the Ajax app.</p> <p><b>Photo delivery time</b> up to 7 s – 160 × 120 px resolution up to 9 s – 320 × 240 px resolution up to 20 s – 640 × 480 px resolution Photo delivery time depends on the image resolution selected in the device settings.</p>
<b>Recommendations</b>	<p>It is recommended to install the detector at a height of 2.4 m. It is recommended to install the detector at a height of 7.9 ft. The device is designed for indoor use only.</p>
<b>Sabotage protection</b>	<p><b>Tamper alarm</b> Notifications on attempts to detach the detector from the surface or remove it from the mounting panel.</p>

	<p><b>Holding screw</b> to secure the detector on SmartBracket</p> <p><b>Protection against spoofing</b> device authentication</p> <p><b>Communication loss detection</b> after 36 s Detection time depends on the Jeweller or Jeweller/Fibra settings.</p>
<p><b>Power supply</b></p>	<p><b>Batteries</b> 2 × CR123A Pre-installed.</p> <p><b>Type</b> Type C.</p> <p><b>Calculated battery life</b> up to 4 years With <b>Photo on demand</b> toggle <b>disabled</b>.</p> <p>up to 3 years With <b>Photo on demand</b> toggle <b>enabled</b>.</p> <p><b>Detector's operating voltage range</b> 4.2–6.2 V<math>\ominus</math></p> <p><b>Detector's nominal operating voltage</b> 6 V<math>\ominus</math></p> <p><b>Quiescent detector's current consumption at nominal voltage</b> 0.058 mA</p> <p><b>Maximum detector's current consumption at nominal voltage</b> 18 mA</p> <p><b>Full capacity</b> 3,300 mAh</p> <p><b>Low battery voltage</b> 4.55 V<math>\ominus</math></p> <p><b>Low battery recovery voltage</b> 4.9 V<math>\ominus</math></p> <p><b>End-of-life battery voltage</b> 4.2 V<math>\ominus</math> Device is switched off.</p> <p><b>End-of-life battery capacity</b> 600 mAh</p> <p><b>Manufacturer</b> Panasonic</p>
<p><b>Enclosure</b></p>	<p><b>Dimensions</b> 135 × 70 × 60 mm 5.31" × 2.75" × 2.60"</p>

	<p><b>Weight</b> 167 g 5.29 oz</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>
<b>Colours</b>	<b>Black</b> <b>White</b>
<b>Complete set</b>	<p>MotionCam S (PhOD) Jeweller</p> <p>SmartBracket mounting panel with holding screw</p> <p>2 × CR123A battery (pre-installed)</p> <p>Installation kit</p> <p>Quick start guide</p>
<b>Warranty</b>	24 months