# MotionCam Outdoor HighMount (PhOD) Jeweller

Wireless IR motion detector that takes on-demand photos and photos by alarm, schedule, and scenario. For outdoor installation at a height of 2–4 m.

| **Communication** | **Jeweller communication technology**  Proprietary wireless communication technology to transmit commands, alarms, and events.  Key features:   * Two-way communication. * Advanced sabotage protection. * Block encryption featuring a dynamic key. * Instant notifications. * Remote control and configuration in Ajax apps.   **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.  **Maximum effective radiated power (ERP)**  up to 25 mW  Automatic power control to reduce power consumption and radio interference.  **Radio signal modulation**  GFSK  **Radio communication range**  up to 1,700 m  up to 5,550 ft  Between the device and a hub (or a range extender) in an open space.  **Encrypted communication**  All stored and transmitted data are protected by block encryption featuring a dynamic key.  **Frequency hopping**  To prevent radio interference and jamming.  **Wings communication technology**  Proprietary wireless communication technology to transmit photo verifications.  Key features:   * Two-way communication. * Advanced sabotage protection. * Block encryption featuring a dynamic key. * Data packages reload in case of transmission errors. * Photo delivery check.   **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.  **Radio communication range**  up to 1,700 m  up to 5,550 ft  Between the device and a hub (or a range extender) in an open space.  **Encrypted communication**  All stored and transmitted data are protected by block encryption featuring a dynamic key.  **Frequency hopping**  To prevent radio interference and jamming. |
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| **Detection** | **Sensitive elements**  2 × PIR sensor  1 × K-band microwave sensor  Operating frequency: 24 GHz.  **Motion detection distance**  up to 15 m  up to 49 ft  When installed at a height of 2–4 m.  When installed at a height of 6.6–13.0 ft.  Depends on the sensitivity level adjusted in the device settings.  **Motion detection angle**  horizontal: 90°  **Motion detection speed**  from 0.3 to 2.0 m/s  from 1.0 to 6.6 ft/s  The direction of the detector sensors should be perpendicular to an alleged intrusion path into the facility.  **Sensitivity**  3 levels  Adjusted by a PRO or a user with admin rights in Ajax apps.  **False alarm prevention**   * LISA * SmartDetect   Software algorithm.  **Temperature compensation**  Effective movement detection in temperatures from −25 °C to +60 °C.  Effective movement detection in temperatures from −13 °F to 140 °F. |
| **Photo verification** | **Photo by Alarm**  The built-in camera is activated if the detector is armed and movement is detected.  **Photo on Demand**  A user takes pictures at any time or when the detector is armed (depending on settings). The feature is disabled by default.  **Photo by Scenario**  The detector takes pictures automatically when other Ajax detectors are triggered. The feature is not configured by default.  **Photo by Schedule**  The detector automatically takes photos at the specified time. The feature is not configured by default.  **Adjustable photo resolution**  640 × 480 px  320 × 240 px (default)  Adjusted by a PRO or a user with admin rights in Ajax apps.  **Camera viewing angles**  horizontal: 115°  vertical: 84°  **IR backlight**  For night photography and low light conditions.  **Series of pictures**  from 1 to 5 images with a resolution of 320 × 240 px  from 1 to 3 images with a resolution of 640 × 480 px  Adjusted by a PRO or a user with admin rights in Ajax apps.  **Photo delivery time**  up to 9 s for 320 × 240 px resolution  up to 20 s for 640 × 480 px resolution  Photo delivery time depends on the image resolution selected in the device settings. |
| **Recommendations** | 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 6.6–13.0 ft.  The **pet immunity** feature is not available for this device.  The device is designed for outdoor and indoor use. |
| **Sabotage protection** | **Tamper alarm**  Notifications of attempts to remove the detector from the mounting panel.  **Magnetometer**  detects attempts to tilt or shift the detector or detach it from the surface  **Anti-masking system**  detects attempts to block the detector view  **Holding screw**  secures the device on SmartBracket  **Protection against spoofing**  device authentication  **Communication loss detection**  after 36 s  Detection time depends on the Jeweller/Fibra settings. |
| **Main power supply** | **Battery**  6 × CR123A  Pre-installed.  **Type**  type C  **Calculated battery life**  up to 3 years  **Detector operating voltage range**  3.8−6.5 V⎓  **Detector nominal operating voltage**  6 V⎓  **Quiescent detector current consumption at nominal voltage**  45 μA  **Maximum detector current consumption at nominal voltage**  1,200 mA  **Full battery capacity**  4,800 mAh  **Low battery voltage**  4.2 V⎓  **Low battery recovery voltage**  5.0 V⎓  **End-of-life battery voltage**  3.8 V⎓  The device is switched off.  **End-of-life battery capacity**  300 mAh  **Manufacturer**  Huiderui |
| **Optional power supply** | **External supply operating voltage**  8−24 V⎓  The batteries serve as a backup when an external power supply is connected. |
| **Enclosure** | **Dimensions with the swivel mount**  234 × 98 × 230 mm  9.21" × 3.86" × 9.06"  **Dimensions without the swivel mount**  234 × 98 × 137 mm  9.21" × 3.86" × 5.39"  **Weight with the swivel mount**  1,010 g  35.6 oz  **Weight without the swivel mount**  620 g  21.9 oz  **Operating temperature range**  from −25 °C to +60 °C  from −13 °F to 140 °F  **Operating humidity**  up to 95%  **Protection class**  IP55 |
| **Color** | White |
| **Complete set** | MotionCam Outdoor HighMount (PhOD) Jeweller  6 × CR123A battery (pre-installed)  SmartBracket mounting panel  Swivel mount  Hood  Installation kit  Quick start guide |
| **Warranty** | 24 months |