

MotionCam Jeweller

Wireless IR motion detector supporting the photo by alarm feature

Communication	Jeweller communication technology Proprietary wireless communication technology to transmit commands, alarms, and events. Key features: • Two-way communication. • Advanced anti-sabotage. • 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 20 mW Radio signal modulation GFSK Radio communication range up to 1,700 m up to 5,500 ft Between a hub and connected devices (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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	Wings communication technology Proprietary wireless communication technology to transmit photos. Key features: • Two-way communication. • Block encryption featuring a dynamic key. • Advanced anti-sabotage. • Data package 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 5,500 ft Between a hub and connected devices (in an open space). The maximum range depends on the connected device. Encrypted communication All stored and transmitted data are protected by block encryption featuring a dynamic key. Frequency hopping To prevent radio interference and jamming.
Detection	Sensitive element PIR sensor Motion detection distance up to 12 m When installed at a height of 2.4 m. up to 39 ft When installed at a height of 7.9 ft.

	Motion detection angles horizontal – 88.5° Motion detection speed from 0.3 to 2.0 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. Sensitivity 3 levels Adjusted by a PRO or user with admin rights in Ajax apps. Pet immunity weight: up to 20 kg height: up to 50 cm weight: up to 44 lb height: up to 1.6 ft False alarm prevention SmartDetect Software algorithm. Temperature compensation Effective motion detection at temperatures from –10 °C to +40 °C. Effective motion detection at temperatures from 14 °F to 104 °F.
Photo verification	Photo by alarm A built-in camera is activated if the detector is armed and motion is detected. Photo resolution 640 × 480 px 320 × 240 px (by default) 160 × 120 px Adjusted by a PRO or user with admin rights in Ajax apps. HDR image Improves the accuracy of detail in bright and dark scenes. The feature is available for devices with the 15.59.35.14 firmware version or later¹. ¹ Contact your Ajax supplier or authorized partner to check the availability in your region.

	IR backlight For night photography and low light conditions. Pictures in a series 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 a PRO or user with admin rights in Ajax apps. Photo delivery time up to 7 s – 160 × 120 px resolution up to 9 s – 320 × 240 px resolution up to 20 s – 640 × 480 px resolution When the hub is connected via Ethernet or 4G and the Wings signal strength between a hub and device is 2–3 bars. Photo delivery time when the detector is connected via a range extender is available here.
Recommendations	It is recommended to install the detector at a height of 2.4 m (7.9 ft.). Device is designed for indoor use only.
Anti-sabotage protection	Tamper alarm Notifications on attempts to detach the device from the surface or remove it from the mounting panel. Protection against spoofing device authentication Communication loss detection within 36 s Detection time depends on the Jeweller or Jeweller/Fibra settings.
Power supply	Battery 2 × CR123A Pre-installed. Calculated battery life up to 4 years
Enclosure	Dimensions 135 × 70 × 60 mm 5.31" × 2.75" × 2.36" Weight 167 g 5.89 oz

	Operating temperature range from -10 °C to +40 °C from 14 °F to 104 °F Operating humidity up to 75% Protection class IP50
Colour	• Black • White
Complete set	MotionCam Jeweller SmartBracket mounting panel Installation kit 2 × CR123A battery (pre-installed) Quick start guide
Additional information	Warranty 24 months