

MotionCam

Motion detector with a photo camera to verify alarms

Transmits a photograph in under 9 sec	Sees in the dark	Operates up to 4 years on the pre-installed batteries	Operates on a distance of up to 1700 m from the hub
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More than a photo. Faster than a video.

With MotionCam, you'll know about the actual situation at home even before the burglars understand that they're busted. An animated series of photos follows the instant motion detection alarm for an accurate situation appraisal.

1. Motion detected
2. Alarm raised
3. Situation captured

MotionCam detector requires [Hub 2](#) for operation

Prevents unnecessary disturbance

A nanny came back from the store and forgot to disarm the security system. The alarm went off, but the parents were calm. MotionCam has made a series of pictures to reveal the cause.

Spots the hidden threats

The alarm went off at the office. The Ajax security system has sent the photos from the MotionCam detectors to the staff. Be careful! The criminals have guns.

Looks after the house at night

The burglars broke in at night. Thanks to the IR backlight, their faces were apparent on the MotionCam pictures. The police patrol caught the burglars in the act.

Engineered to respect privacy

MotionCam is designed to control your security, not your personal life. The motion detector is unable to take pictures by request. The camera activates only in response to a motion detection

alarm. The data is encrypted throughout the processes of transmission and storage. No one analyzes it, even the AI. You won't need to live under the constant supervision of the security cameras to know why the alarm went off.

- Photo capture only when alarmed
- All pictures are encrypted
- We don't see your photos

Dispels any suspicions

MotionCam ignores pets (up to 50 cm in height) using the SmartDetect algorithm. But if an especially curious pet manages to set off the alarm, the following photo report will confirm that the house is safe.

Unique communication technologies

MotionCam simultaneously uses two specialized radio protocols: Jeweller for sending instantaneous alarms and Wings for rapid image delivery. You'll receive the first snapshot of the event within 9 seconds from the motion detection. As usual, the alarm notification will arrive in a split of a second, even if the signal is unstable.

You can set up MotionCam at a distance of up to 1700 meters from the hub to establish visual control of the most critical areas. The new detector features a record-breaking operating efficiency with up to 4 years of battery life.

- Two-way communication channel at a distance of up to 1700 m
- First photo delivered in under 9 sec
- Up to 4 years of operation on the pre-installed batteries

Intuitive to pair and install

MotionCam connects to the Ajax security system in a few taps. Open the Ajax app, scan the QR code, and assign the detector to one of the rooms.

Mount the detector on a wall without disassembling. Make sure that no vases, wardrobes, or glass objects are blocking its view angle. You're all set!

- Easy to pair with a QR-code
- Fast mounting with a SmartBracket
- Mobile app to adjust, test, and control

Classification	Electro-optical combined radio channel security detector with a photo camera
Detector type	Wireless
Installation	Indoors
Motion detection distance	Up to 12 m
Pet immunity	Weight: up to 20 kg Height: up to 50 cm
Compatibility	Only with Hub 2
Sensing element	PIR-sensor
Alarm signal delivery time	0.15 sec
Detection angles	Horizontal — 88.5° Vertical — 80°
Camera view angle	90°
Photo verification	Time to deliver a photograph with default settings: up to 9 sec Photo quality: up to 640 × 480 Pictures in a series: 1-5 pcs Learn more >
IR-backlight for night mode pictures	Available
Sensitivity	Adjustable, 3 levels
Recommended installation height	2.4 m
Power supply	Batteries: CR123A (x2) Power supply voltage: 3 V Battery life: up to 4 years (up to 2.5 years if “ Delay when entering ” setting is activated)
Jeweller radio technology	Communication range with detectors: up to 1,700 m in the line of sight Two-way communication between devices Operating frequencies: 868.0-868.6 MHz Self-adjusting RF output power: up to 20 mW Block encryption based on AES algorithm Detector polling period: 12–300 s

	<p>Frequency hopping</p> <p>Learn more about Jeweller ></p>
Wings radio technology	Transmission of visual alarm verifications
Temperature sensor	Available
Operating temperature range	<p>From 0°C to +40°C (manufacture date up to June 1, 2020)</p> <p>From -10°C to +40°C (manufacture date from June 1, 2020)</p> <p>How to find the manufacture date of a detector or device</p>
Operating humidity	Up to 75%
Anti-sabotage	<p>Fraud protection</p> <p>Jamming notification</p> <p>Tamper-resistant</p>
CMS compatibility	<p>Motion alarms are transmitted to CMSs that support SIA and Contact ID protocols</p> <p>Visual alarm verifications are transmitted to the Manitou CMS and Ajax PRO Desktop app</p>
Remote configuration and testing	+
Protection class	IP50
Dimensions	135 x 70 x 60 mm
Weight	167 g
Warranty	<p>Replacement and repair for a period of 24 months from the date of sale. The warranty does not cover batteries.</p> <p>Learn more ></p>
Complete Set	<p>MotionCam motion detector</p> <p>SmartBracket mounting panel</p> <p>x2 CR123A batteries (pre-installed)</p> <p>Installation kit</p> <p>Quick Start Guide</p>

Certification

Security Grade 2, Environmental Class II in conformity with the requirements of EN 50131