

MotionCam Outdoor

MotionCam Outdoor is a wireless motion detector for outdoor use with an in-built photo camera. Photos are taken only in case of motion alarm. MotionCam Outdoor provides users and security companies with fast and protected visual verification of alarms.

The Ajax hub is required for operation
Find the list of compatible hubs on the official website.

ajax.systems/support/devices/motioncam-outdoor



Up to 15 m motion detection range

Night vision

Advanced pet immunity

Anti-masking system

Up to 3 years of operation from batteries

Communication with the hub at a distance of up to 1,700 m



Motion detected. Alarm raised. Evidence captured.

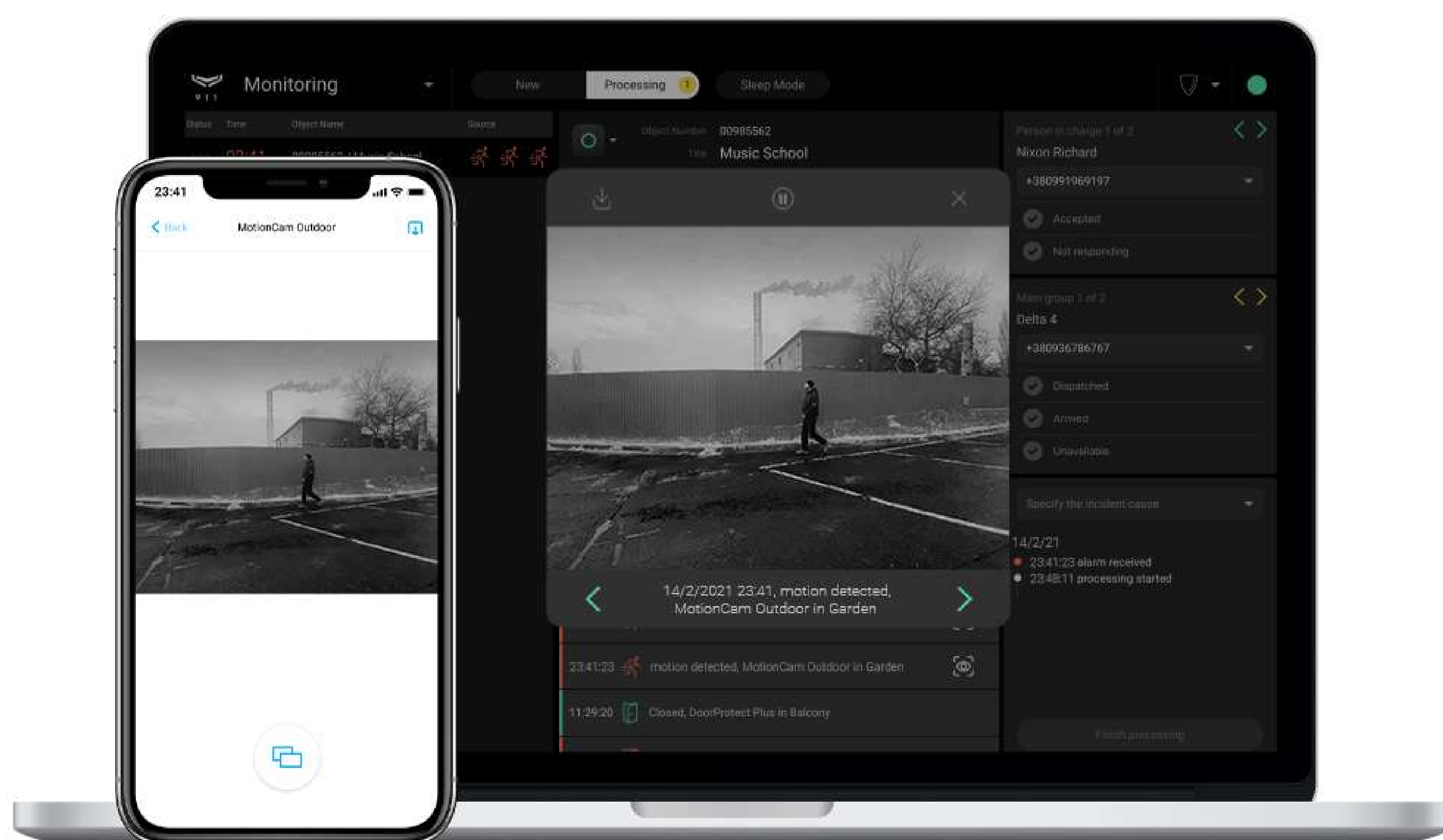
With MotionCam Outdoor, users know about the actual situation even before the burglars understand that they're busted. An animated series of photos made by a wide dynamic range camera follows the instant motion alarm for an accurate situation appraisal. Photos are transmitted via an encrypted proprietary radio protocol and displayed in the Ajax apps or third-party monitoring software.

First photo delivered under 9 seconds

HDR camera for clear photos

Photo resolution up to 640x352 pixels

IR backlight to make photos in the dark

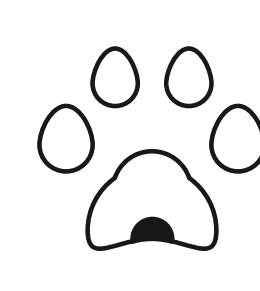
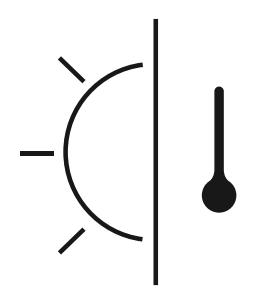


Monitoring software with integrated Ajax photo verification

See the full list by the link: ajax.systems/connecting-to-cms/


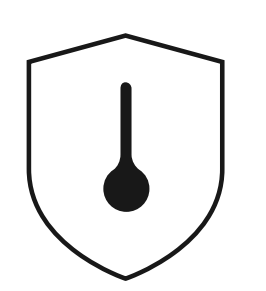
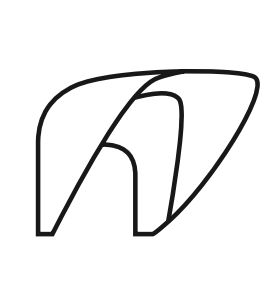
False alarm prevention

MotionCam Outdoor features a system of two independent PIR sensors that collect enough data to analyse the threat's reality with the LISA two-step software algorithm. LISA compares the frequency components of sensors signals — it is the know-how of the Ajax Systems that guarantee the detector accuracy.

-  Advanced pet immunity
-  Filtering sun glints and hot air streams

Weatherproof design

MotionCam Outdoor is ready to operate in a wide range of climate zones. The detector is protected from dust and splashes and features a temperature compensation technology, making it effective in any weather conditions. The bundled hood protects masking sensors from rain and snow.

-  IP55 body
-  -25° to +60°C temperature range
-  Hood included

Hassle-free installation

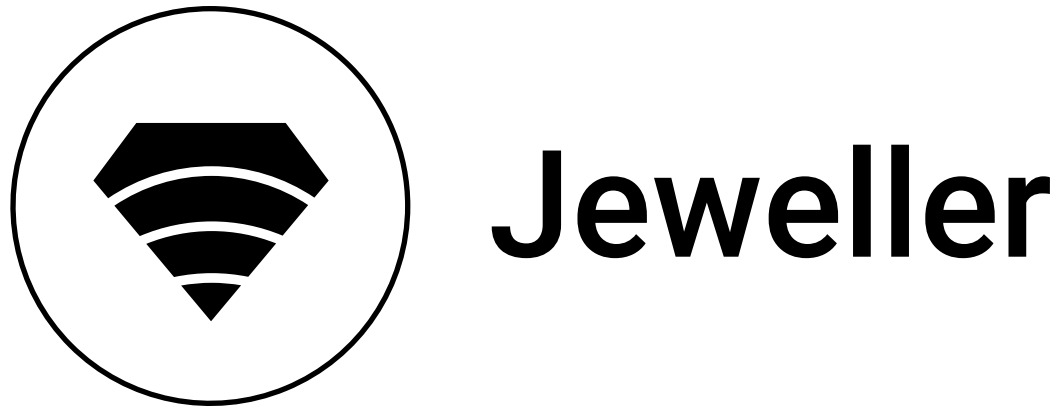
To add a detector to the system, an installer scans the QR code with the Ajax app and assigns a name and a room. Configuring is done in the app in real-time using detection zone and signal strength tests. The detector can be disabled or its system parameters can be reconfigured remotely.



Antisabotage protection

The anti-masking system calibrates automatically when mounting the device onto SmartBracket. Then, if an obstacle appears in the field of view of anti-masking sensors or if they are painted, the detector notifies users and a security company. A tamper is immediately activated when the detector is dismounted from the bracket. The system needs less than a minute¹ to identify communication loss with the detector.

-  Grade 2 anti-masking
-  Tampering alarm
-  Pings from 12 seconds



Guaranteed alarm delivery

We’ve developed the Jeweller radio protocol to ensure the uninterrupted operation of all system devices. The radio protocol uses time frames to synchronize communication of connected devices, authentication to eliminate forgery, and encryption to protect against hacking.



Secure photo transmission

We've developed Wings—an encrypted two-way radio protocol to securely deliver photos at a significant distance. It allows receiving visual alarm verification in a matter of seconds. Working in parallel with Jeweller, Wings does not interfere with it, providing stable data communication with a compatible hub at a distance of up to 1,700 meters.

Tech Specs

Color	white	Installation	outdoor/indoor at a height 0.8 – 1.3 m
Radio communication range	up to 1,700 m	Power supply	4 x CR123, 3 V
Communication protocol	Jeweller: two-way encrypted communication of event and alarms Wings: two-way encrypted communication of photo verifications	Battery life	up to 3 years
Frequency band	868.0–868.6 MHz ²	Fixing	SmartBracket
Compliance	EN 50131/PD 6662:2017 ³ Grade 2	Operating temperature range	from –25°C to +60°C
Photo camera	Wide Dynamic Range up to 640x352 pixels resolution IR backlight	Operation humidity	up to 95%
Body protection	IP55	Dimensions	206 × 108 × 93 mm
Environmental class	IV – Outdoor – General	Weight	470 g
Complete set	MotionCam Outdoor SmartBracket mounting panel Hood 4 x CR123 (pre-installed) Installation kit Quick start guide		

¹ depends on the hub-detector ping settings

² depends on the region of sale

³ when installed indoors