Ajax Superior MotionCam G3 (PhOD) Jeweller

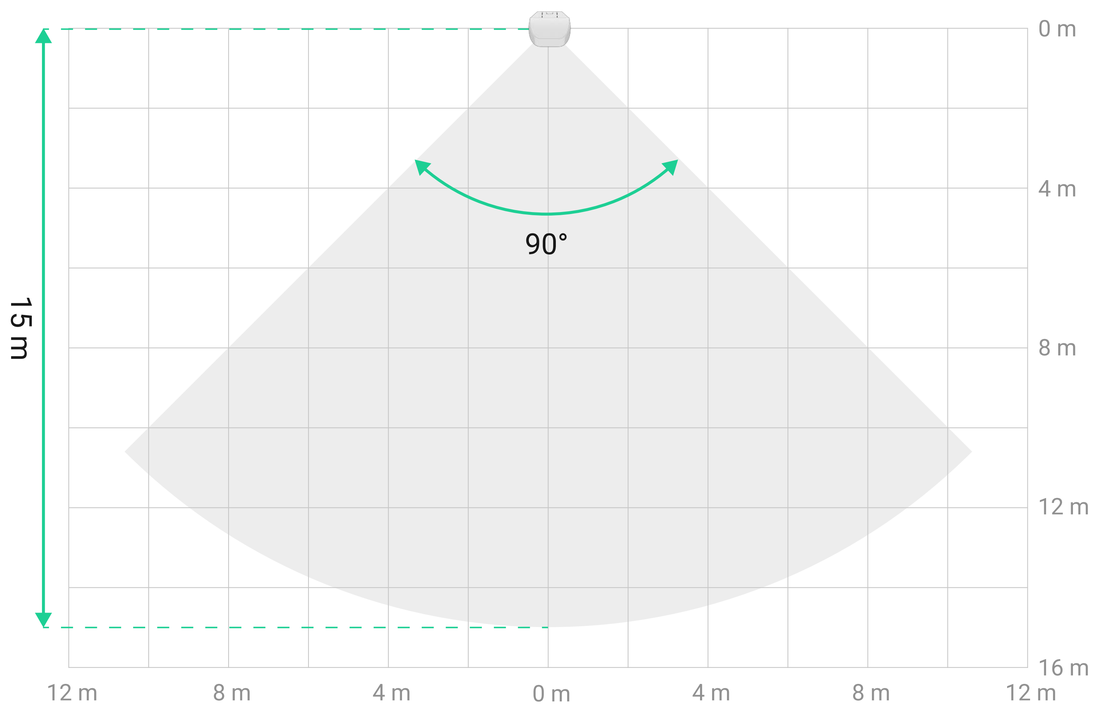
Wireless PIR motion detector with extended photo verification possibilities. Supports HD resolution.

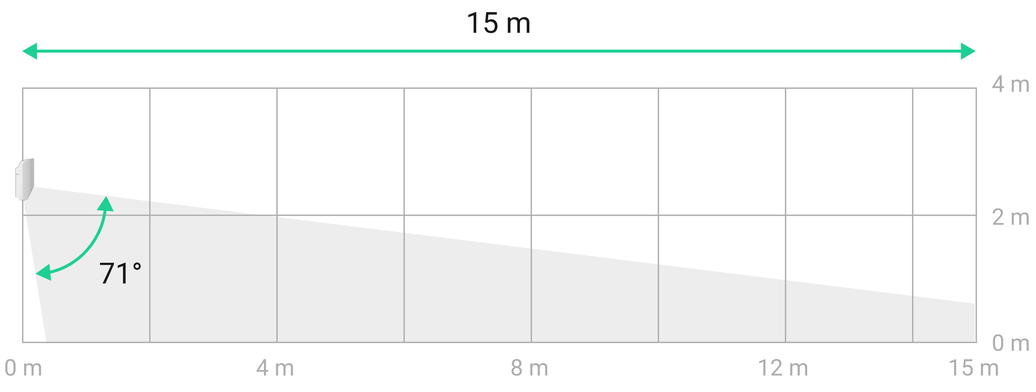
This is a device of the Superior product line. Only accredited Ajax Systems partners can sell, install, and maintain Superior products.



3 GRADE EN 50131

PD 6662 2017





Ajax Superior MotionCam G3 (PhOD) Jeweller does not support the pet immunity feature.

Motion detection

- Up to 15 m (49 ft) of motion detection distance
- Minimized blind zone: 50 cm (1.64 ft)
- Proprietary optical system with PIR sensor and multifaceted mirror to focus IR radiation
- Detection of any fast or slow movement, including crawling

Photo verification

- Photo by alarm, on demand, and by scenarios
- Support for HD photos with up to 864 × 720 resolution[1]
- Up to five photos per series[2]
- First photo delivery[3] in 4.5 s
- IR illumination for low-light conditions
- HDR for balanced, high-quality images in challenging lighting

False alarm prevention

- SmartDetect software algorithm to filter out headlights, lighting devices, and heat flows
- Three motion detection sensitivity levels for any site and conditions
- Three sensitivity levels for masking detection

Superior Jeweller and TurboWings communication technologies

- Up to 3,500 m (11,450 ft) of radio communication in open space[4]
- Enhanced encryption throughout data transmission
- Regular polling to display the current device state
- Encrypted graphic data is stored in compliance with GDPR requirements

Advanced system supervision

- Regular self-check of PIR and anti-masking sensors, as well as built-in camera connection
- Early low-battery notifications
- Instant malfunction notifications

Sabotage protection

- Two tamper buttons to prevent device dismantling or detachment
- Locker for fixing the device on the SmartBracket mounting panel
- Communication loss detection within[5] 36 seconds
- Frequency hopping to prevent radio interference and jamming
- Device authentication to prevent spoofing

Hassle-free installation

- Adding to the system via QR code
- Up to four years of operation on pre-installed batteries
- Installation and battery replacement without enclosure disassembly
- Option for side installation
- All necessary fasteners included in the complete set
- Setup in minutes via an Ajax app — no programming required
- Remote control and configuration in mobile and desktop apps

Compliance with standards

EN 50131 (Grade 3)
PD 6662:2017

Compatibility with hubs and range extenders

For detailed information, scan the QR code or follow the link:

ajax.systems/tools/devices-compatibility/?models=MC.G3P.J

Communication with a hub or range extender

Superior Jeweller communication technology

TurboWings communication technology

Frequency bands
865.0–868.0 MHz
868.0–868.6 MHz
868.7–869.2 MHz
869.4–869.65 MHz
The device supports these four bands

Communication range[4]
up to 3,500 m
up to 11,450 ft
In open space

Polling interval
12–300 s
Adjusted by a PRO or user with admin rights via Ajax apps

Photo verification

Photo resolution (in pixels)
864 × 720
576 × 480
288 × 240
160 × 128
Adjusted in Ajax apps

Photos in a series[2]
from 1 to 5 pics
Adjusted in Ajax apps

Photo verification types
Photo on demand
Photo by alarm
Photo by schedule
Photo by scenario
Photo by masking
Photo by tamper alarm
Photo by arming/disarming

HDR feature

Support for HD photos

Motion detection

Sensitive element
1 × PIR sensor

Motion detection distance
up to 15 m
up to 49 ft
When the detector is installed at a height of 2.4 m (7.9 ft)

Motion detection angle
horizontal: 90°
vertical: 71°

Motion detection sensitivity
3 levels
Adjusted in Ajax apps

Masking detection sensitivity
3 levels
Adjusted in Ajax apps

Power supply

Battery
4 × CR123A
(pre-installed)

Battery life
up to 4 years
With the **Photo on demand** feature disabled

up to 3 years
With the **Photo on demand** feature enabled

Installation

Recommended installation height
2.4 m
7.9 ft

Operating temperature range
from –10 °C to +40 °C
from 14 °F to 104 °F

Operating humidity
up to 75%

Protection class
IP50

Enclosure

Color
white, black

Dimensions
66.6 × 64 × 140 mm
2.62" × 2.52" × 5.51"

Weight
176 g
6.21 oz

Complete set

Ajax Superior MotionCam G3 (PhOD) Jeweller
4 × CR123A battery (pre-installed)
SmartBracket mounting panel
Installation kit
Quick start guide

[1] The first photo is delivered within 15.5 seconds with TurboWings protocol.
[2] The number of photos in a series depends on the photo resolution.
[3] With TurboWings protocol and photo resolution of 288 × 240 pixels. This is the time of delivery from the detector to the hub. The time of delivery from the hub to the app depends on the hub—server connection and smartphone's internet speed.
[4] Communication range depends on the hub model.
[5] If the system is set to operate at a 12-second polling interval and report a connection loss after three undelivered data packets.

For detailed information, scan the QR code or follow the link:

ajax.systems/support/devices/superior-motioncam-g3-phod-jeweller/

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