Tech specs

SUPERIOR

Superior MotionProtect G3 Fibra

Previously:

Wired PIR motion detector with an anti-masking system

| – | **Device compatibility** | Check |

⬛ Superior MotionProtect G3 Fibra

Communication

◈ Fibra communication technology

Proprietary wired communication technology to transmit commands, alarms, and events.

Key features:

- Two-way communication.
- Advanced anti-sabotage.
- Instant notifications.
- Remote control and configuration in Ajax apps.

Learn more ›

Line connection

4-core cable

Connection

to any point of the Fibra line

The device can be installed behind the hub, detector, keypad, or siren.

Fibra line length

up to 2,000 m

When using the U/UTP cat.5 twisted pair cable.

Calculate the line length at the facility ›

Encrypted communication

All stored and transmitted data are protected by block encryption featuring a dynamic key.

Detection

Sensitive elements

1 × PIR sensor

Motion detection distance

up to 15 m

When installed at a height of 2.4 m.

Reduced blind zone

up to 0.5 m

Detects a crawling person at a distance of 50 cm from the detector.

Motion detection angles

horizontal: 90°

vertical: 71°

Motion detection speed

from 0.1 to 4.0 m/s

The direction of the detector sensors should be perpendicular to an alleged intrusion path into the facility.
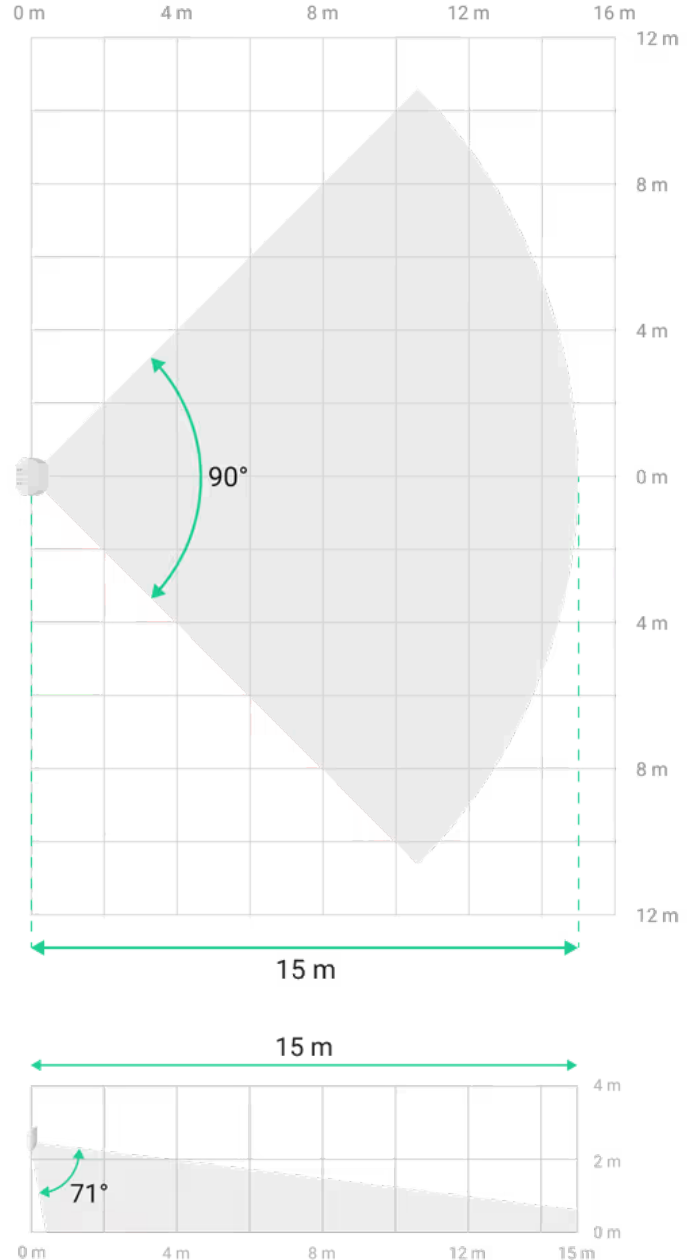
False alarm prevention

SmartDetect

Software algorithm.

Temperature compensation

Effective motion detection at temperatures from −10 °C to +40 °C.

Self-test of sensitive elements

The device checks its sensors' state and notifies if any malfunction is detected.

Recommendations

It is recommended to install the detector at a height of 2.4 m.

The **pet immunity** feature is not available for this device.

The device is designed for indoor use only.

Sabotage protection

Tamper alarm

3 tampers

Notifications on attempts to detach the detector from the surface or unlock the SmartBracket lock and remove the detector from the mounting panel.

Protection against spoofing

device authentication

Anti-masking system

detects attempts to block the detector view

Learn more ⟩

Lock for SmartBracket

To secure the detector on SmartBracket.

Communication loss detection

after 36 s

Detection time depends on the Jeweller/Fibra
settings.

Power supply

Operating voltage range

7–30 V⎓

The hub powers the detector via the Fibra line.

Nominal operating voltage

24 V⎓

Quiescent current consumption at nominal voltage

4.3 mA

Quiescent current consumption at nominal voltage

9.5 mA

Enclosure

Dimensions

120 × 62 × 52 mm

Weight

130 g

Operating temperature range

from −10 °C to +40 °C

Operating humidity

up to 75%

Protection class

IP30, IK04

Colors

White   Black

Complete set

Superior MotionProtect G3 Fibra

SmartBracket mounting panel

Installation kit

Quick start guide

Certification and compliance with standards

Superior MotionProtect G3 Fibra

Additional information

Compliance with standards   **User manual**

Learn more ›

Warranty

24 months
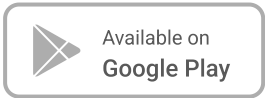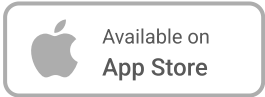
Learn more ›

Products

Intrusion protection

Video surveillance

Fire and life safety

Comfort and automation

All products

Services

System integrations

Ajax Ready products

Fibra wired protocol

Ajax radio protocols

Software

For users

Ajax PRO: Tool for Engineers

Ajax Desktop

Ajax PRO Desktop

Ajax Translator PRO

Ajax Cloud Signaling

Scenarios

Available on
App Store

Available on
Google Play

Subscribe

Subscribe to our emails about secure life. No spam.

Subscribe

Request extra help

✉ support@ajax.systems

✈ @AjaxSystemsSupport_Bot

💬 Send a request

★ Trustpilot
★★★★★
Rating 4.8

4,000,000
people worldwide under Ajax protection

Solutions

Customer stories

Solutions by facility type

Commercial fire detection and alarm system

Wireless Grade 3 solution

Upgrades and retrofits

Why Ajax

How it works

Support

Manuals and articles

Compliance with standards

Tools

Ajax device compatibility

Video storage calculator

Video device calculator

Battery life calculator

Radio communication range calculator

Switches and outlets configurator

Fibra power supply calculator

💡 Suggest a feature

f ▶ ⬡ ✕ in

All web tools

Monitoring solutions and integrations

Intrusion alarm monitoring

Video monitoring and visual alarm verification

Audio alarm verification

Company

Blog

About us

Press page

Events

Career

Ajax Next

Students at CES 2026

Reviews and feedback

For partners

For partners

Ajax Academy

Partner Portal

Hrvatska   Privacy policy   Report a vulnerability   GDPR White Paper   NDAA Statement   Cookie policy   Anti-Spam Policy

End user agreement   Warranty