

Tech specs

SUPERIOR

# Superior MotionProtect G3 Fibra

Wired PIR motion detector with an anti-masking system



Device compatibility

Check

## 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.

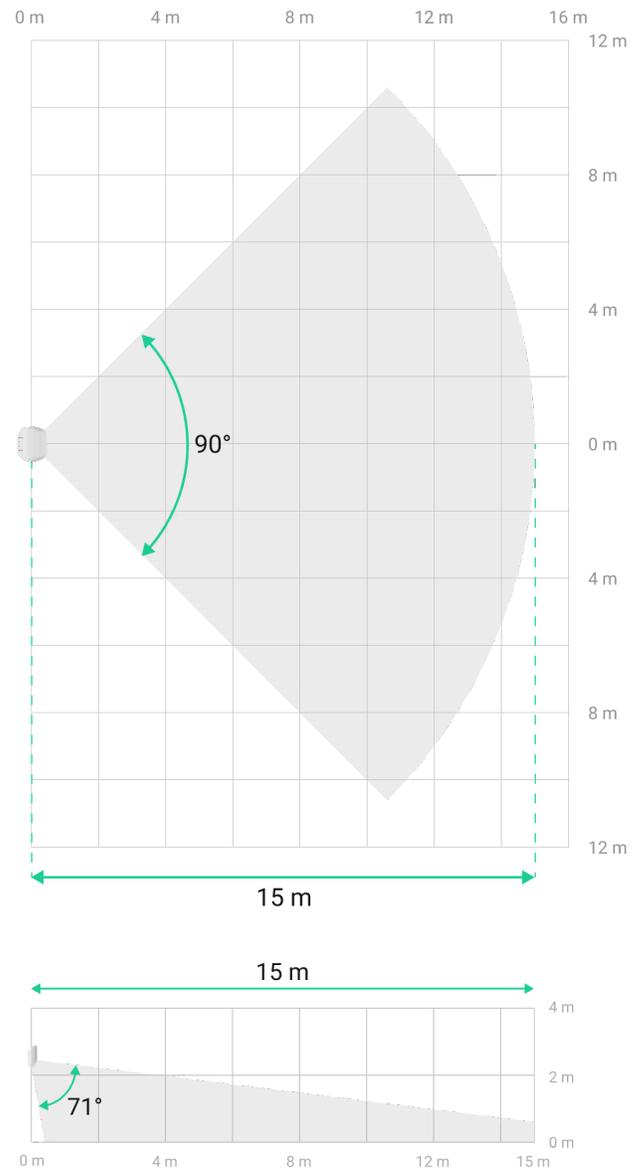
### Motion detection angles

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  $-10\text{ °C}$  to  $+40\text{ °C}$ .

Learn more 

## 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.

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## 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.



Learn more 

### 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.

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## **Power supply**

### **Fibra line**

TBC

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## **Enclosure**

## Dimensions

120 × 62 × 52 mm

## Weight

TBC

## Operating temperature range

from -10 °C to +40 °C

## Operating humidity

up to 75%

## Protection class

IP30



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## Colors

White

Black



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## Complete set

Superior MotionProtect G3 Fibra

SmartBracket mounting panel

Installation kit

Quick start guide

## Additional information

Compliance with standards

Learn more [➤](#)

User manual

Learn more [➤](#)

Warranty

24 months

Learn more 

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## Products

[Intrusion protection](#)

[Video surveillance](#)

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[Comfort and automation](#)

[All products](#)

## Software

[For users](#)

[Ajax PRO: Tool for Engineers](#)

[Ajax Desktop](#)

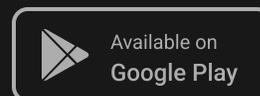
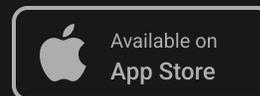
[Ajax PRO Desktop](#)

[Ajax Translator PRO](#)

- Services
- System integrations
- Ajax Ready products
- Fibra wired protocol
- Ajax radio protocols

Ajax Cloud Signaling

Scenarios



## Solutions

- Customer stories
- Solutions by facility type
- Commercial fire detection and alarm system
- 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
- All web tools

## Connecting to CMS

- 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

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