

## Tech specs

**S**UPERIOR

# MotionProtect Fibra

Soon to be: Superior MotionProtect Fibra

Wired IR motion detector



Device compatibility

Check

# Communication

## ◆ Fibra communication technology

Proprietary wired communication technology. Fibra combines the reliability of wires with the freedom of radio connection.

It features:

- Two-way communication.
- Advanced anti-sabotage.
- Instant notifications.
- Remote configuration through an app.

**Learn more** >

## Line connection

4-core cable

## Fibra line length

up to 2,000 meters

When using twisted pair U/UTP cat.5.

**Calculate line length on the facility** >

## Encrypted communication

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## Detection

### Sensing element

1 × PIR sensor

### Motion detection distance

up to 12 meters\*

When installed at 2.4 meters height.

\* — 10 m according to INCERT (with high sensitivity level)

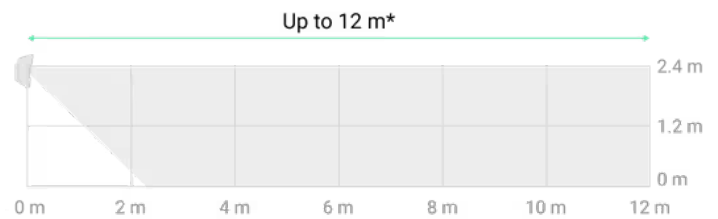
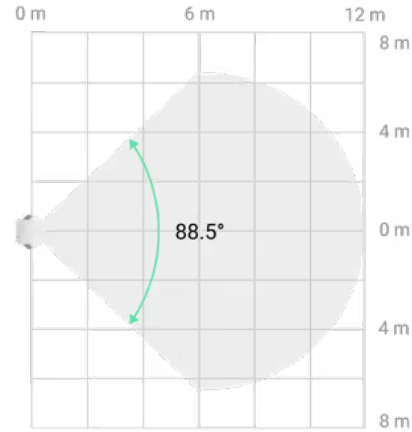
### Motion detection angles

horizontal — 88.5°

### Motion detection speed

from 0.3 to 2.0 m/s

The direction of the detector lens should be perpendicular to the intended path of entry into the room.



## **Sensitivity**

3 levels

Sensitivity can be adjusted by PRO or user with admin rights in an Ajax app.

## **Pet immunity**

up to 20 kg

up to 50 cm height

[Learn more >](#)

## **False alarm prevention**

SmartDetect

Software algorithm.

## **Temperature compensation**

Effective motion detection within -10°C to +40°C range.

## Recommendations

It is recommended to install the detector on 2.4 meter height.  
Device is designed for indoor use only.

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## Sabotage protection

### Tampering alarm

Alerts of attempts to detach the detector from the surface or remove the mounting panel.

[Learn more >](#)

## Protection against forgery

device authentication

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## **Power supply**

### **Fibra line power supply**

5–30 V<sub>DC</sub>, up to 25 mW

The detector is powered by the control panel.

### **Detector's operating voltage range**

5–30 V<sub>DC</sub>

The detector is powered by the control panel.

### **Detector's nominal operating voltage**

24 V<sub>DC</sub>

### **Quiescent detector's current consumption at nominal voltage**

70  $\mu$ A

### **Maximum detector's current consumption at nominal voltage**

1.8 mA

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## Enclosure

### Dimensions

110 × 65 × 50 mm

### Weight of the black device

75 g

### Weight of the white device

88 g

### Operating temperature range

from -10 °C to +40 °C

### Operating humidity

up to 75%

### Protection class

IP50, IK04



## Colors

Black



White



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## Complete set

MotionProtect Fibra

SmartBracket mounting panel

Installation kit

Quick start guide

**Certification and compliance with standards**



## Additional information

### Compliance with standards

[Learn more >](#)

### User manual

[Learn more >](#)

## Warranty

24 months

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## Products

Intrusion protection

Video surveillance

Fire and life safety

Comfort and automation

## Software

For users

Ajax PRO: Tool for Engineers

PRO Desktop

Ajax Translator

## Subscribe

Subscribe to our emails about secure life. No spam.

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All products

Services

System integrations

Ajax Ready products

## Solutions

Customer stories

Solutions by facility type

Upgrades and retrofits

Why Ajax

How it works

## Company

Blog

About us

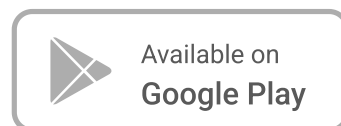
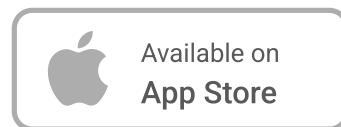
Press page

Events

Career

Reviews and feedback

Scenarios



## Support

Manuals and articles

Compliance with standards

## Tools

Ajax device compatibility

Video storage calculator

Battery life calculator

Radio communication range calculator

Switches and outlets configurator

Fibra power supply calculator

All web tools

## For partners

For partners

Ajax Academy

Partner Portal

## Request extra help

 support@ajax.systems

 @AjaxSystemsSupport\_Bot



Rating 4.7

**2,500,000**

people worldwide under Ajax protection

 Suggest a feature





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