

Tech specs

AJAX SUPERIOR

Superior MotionProtect Plus Fibra

Previously: MotionProtect Plus Fibra

Wired IR motion detector with an additional K-band microwave sensor



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.

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Line connection

4-core cable

Fibra line length

up to 2,000 meters

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

Calculate line length on the facility >

Encrypted communication

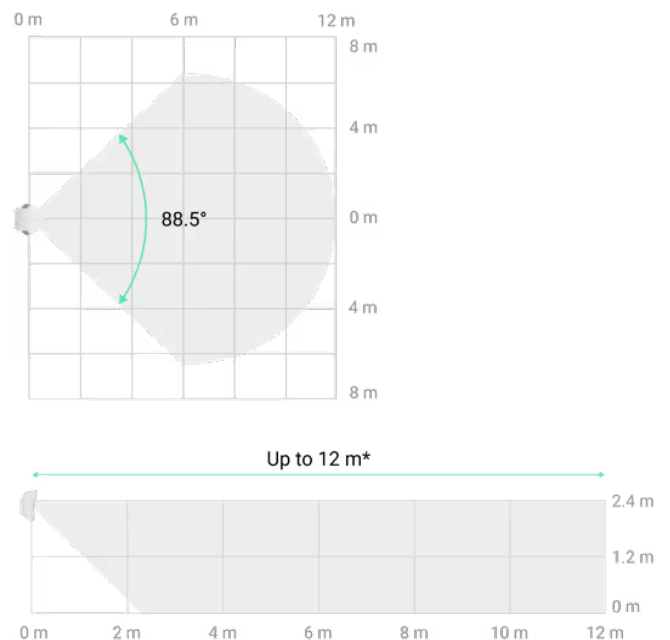
Detection

Sensing element

1 × PIR sensor

1 × K-band microwave sensor

When the device detects motion, it conducts an additional RF scan to eliminate false alarms due to thermal interference: air flows, heated curtains and blinds, fans, fireplaces, air conditioners, and other likely sources of false alarms.



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

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False alarm prevention

SmartDetect

Software algorithm.

K-band microwave sensor

To verify PIR sensor alarms.

Temperature compensation

Effective motion detection within -10°C to $+40^{\circ}\text{C}$ range.

Recommendations

It is recommended to install the detector on 2.4 meter height.

Device is designed for indoor use only.

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

Power supply

Detector's operating voltage range

5–30 V_{DC}, up to 187 mW

The detector is powered by the control panel.

Detector's nominal operating voltage

24 V_{DC}

Quiescent detector's current consumption at nominal voltage

270 µA

Maximum detector's current consumption at nominal voltage

7.8 mA

Enclosure

Dimensions

110 × 67 × 62 mm

Weight of the black device

86 g

Weight of the white device

98 g

Operating temperature range

from -10 °C to +40 °C

Operating humidity

up to 75%

Protection class

IP50, IK04



Colours

Black

White



Complete set

Superior MotionProtect Plus Fibra

SmartBracket mounting panel

Installation kit

Quick start guide

Certification and compliance with standards



Superior MotionProtect Plus Fibra



Additional information

[Compliance with standards](#)

[User manual](#)

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Warranty

24 months

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Ajax PRO Desktop

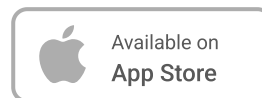
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Ajax Services availability

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