Products ⌄   **Assemble kit**

F **MotionCam Fibra**   More ⌄

Tech specs

ᖴIBRA

MotionCam Fibra

Wired IR motion detector supporting photos by alarm feature

Devices 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 in the Ajax apps.

Learn more ›

Line connection

4-core cable

Fibra line length

up to 2,000 meters

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

Calculate the line length at the facility ›

Encrypted communication

Detection

Sensitive element

1 PIR sensor

Motion detection distance

up to 12 meters*

When installed at the height of 2.4 meters.

* — 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 an alleged intrusion path into the room.
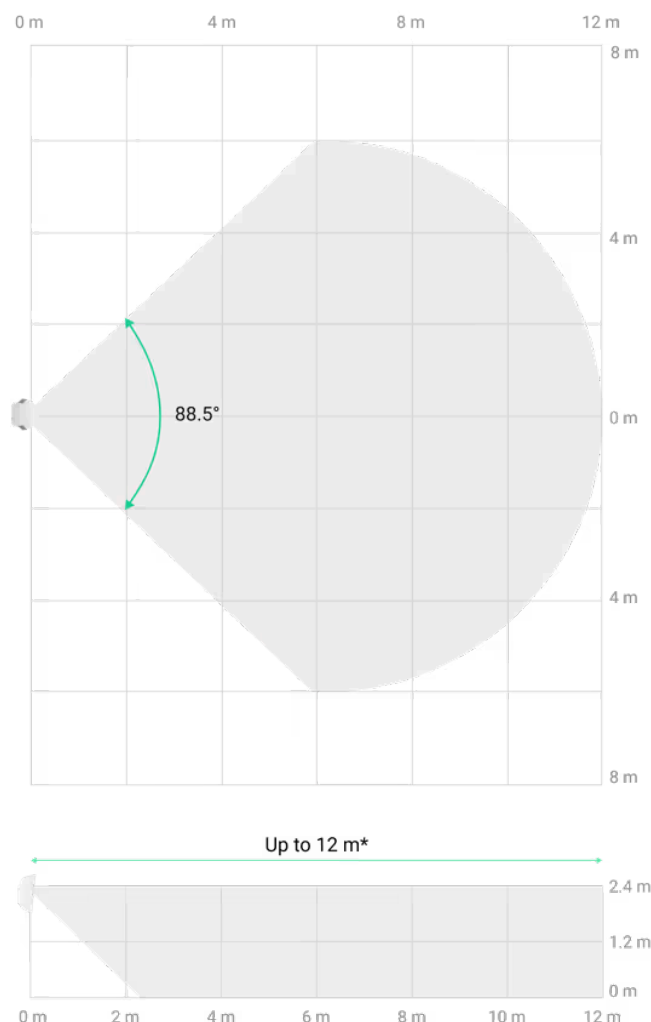
Sensitivity

4 levels

Adjusted by a PRO or user with admin rights in the Ajax app.

Pet immunity

up to 20 kg
up to 50 cm in height

Learn more ›

False alarm prevention

SmartDetect

Software algorithm.

Temperature compensation

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

Photo verification

Photo by alarm

The built-in camera is activated if the detector is armed and motion is detected.

Learn more 〉

Adjustable photo resolution

640 × 480 px
320 × 240 px (default)
160 × 120 px

Adjusted by a PRO or user with admin rights in the Ajax app.

IR backlight

For night photography and low light conditions.

Series of pictures

from 1 to 5 snapshots

Adjusted by a PRO or user with admin rights in an Ajax app.

Photo delivery

up to 7 s — 160 × 120 px resolution
up to 9 s — 320 × 240 px resolution
up to 20 s — 640 × 480 px resolution

Photo delivery time depends on the image resolution selected in the device settings.

Recommendations

It is recommended to install the detector at the height of 2.4 meters. The device is designed for indoor use only.

Sabotage protection

Tamper alarm

2 tampers

Both are needed to fasten the left or right side of the detector's mounting panel. The system receives notifications about attempts to detach the device from the surface or remove it from the mounting panel.

Learn more ›

Protection against spoofing

device authentication

Main power supply

Fibra line power supply

7–30 V⎓, up to 120 mW

The detector is powered by the control panel.

Detector's nominal operating voltage

24 V⎓

Quiescent detector's current consumption at nominal voltage

0.569 mA

Maximum detector's current consumption at nominal voltage

14.2 mA

Auxiliary power supply

Sealed battery

LTO AA

It is used when the detector takes photos, activates an IR backlight, and transmits an alarm. The battery is charged from the Fibra line.

Detector's nominal operating voltage

2.4 V⎓

The detector is powered by the sealed battery.

Quiescent detector's current consumption at nominal voltage

0.001 μA

Maximum detector's current consumption at nominal voltage

568.7 μA

Enclosure

Dimensions

135 × 70 × 66 mm

135 mm

70 mm

Weight of the black device

141 g

Weight of the white device

160 g

Operating temperature range

from −10 °C to +40 °C

Operating humidity

up to 75%

Protection class

IP50, IK04

66 mm

Colours

Black   White

Complete set

MotionCam Fibra

SmartBracket mounting panel

Installation kit

Quick start guide

Certification and compliance with standards

MotionCam Fibra

Additional information

Compliance with standards

Learn more ›

User manual

Learn more ›

Warranty

24 months

Learn more ›

Request extra help

✉ support@ajax.systems

✈ @AjaxSystemsSupport_Bot

★ Trustpilot
★★★★★
Rating 4.6

2,500,000

people worldwide under Ajax protection

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Fibra

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Video surveillance

Fire detection

Water leak prevention

Comfort & Productivity

All products

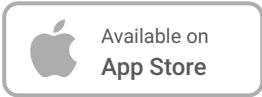Ajax ecosystem integrations

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Anti-Spam Policy   End user agreement   Warranty