Tech specs

FIBRA

MotionCam (PhOD) Fibra

Wired IR motion detector supporting photo by alarm, photo on demand, photo by schedule, and photo by scenario features

Devices compatibility

Communication

◈ Fibra communication technology

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

Key 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.

Motion detection angles

horizontal — 88.5°
vertical — 80°
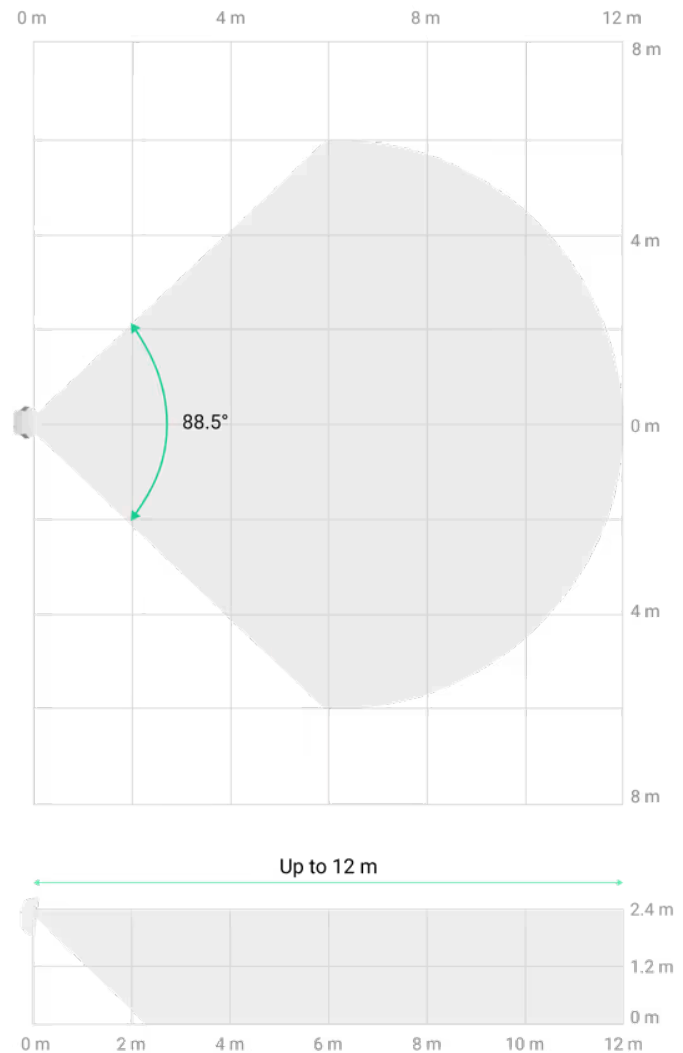
Motion detection speed

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 ›

Photo on Demand

The user takes pictures at any time or when the detector is armed (depending on settings). The feature is disabled by default.

Photo by Scenario

The detector's camera takes pictures automatically when other Ajax detectors are triggered. The feature is disabled by default.

Photo by Schedule

The detector automatically takes photos at a specified time. This feature is available for hubs (except Hub Jeweller) with firmware version OS Malevich 2.19 or higher.

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.

Anti-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

Power supply

Fibra line power supply

7–30 V⎓, up to 120 mW

The detector is powered by the control panel.

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.

Enclosure

Dimensions

135 × 70 × 66 mm

Weight

150 g

Operating temperature range

from −10°C to +40°C

Operating humidity

up to 75%

Protection class

IP50

135 mm

70 mm

66 mm

Colours

Black   White

Complete set

MotionCam (PhOD) 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 ⟩

Request extra help

✉ support@ajax.systems

◉ @AjaxSystemsSupport_Bot

★ Trustpilot
★★★★★
Rating 4.6

2,500,000
people worldwide under Ajax protection

f ▶ ◉ 𝕏 in

Products

Superior

Fibra

Intrusion protection

Video surveillance

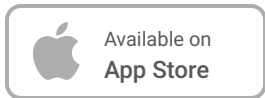Fire detection

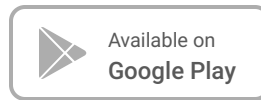Water leak prevention

Comfort & Productivity

Software

For users

PRO Desktop

Ajax Translator

Scenarios

 Available on
App Store

Available on
Google Play

Solutions

Customer stories

Ajax ecosystem integrations

Ajax Ready products

Solutions by facility type

Why Ajax

How it works

Support

Manuals and articles

Compliance with standards

Tools

Battery life calculator

Radio communication range calculator

Fibra power supply calculator

Case configurator

Switches and outlets configurator

Ajax devices compatibility

All web tools

Company

Blog

About us

Press page

Events

Career

Reviews and feedback

For partners

For partners

Ajax Academy

Partner Portal

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

End user agreement   Warranty