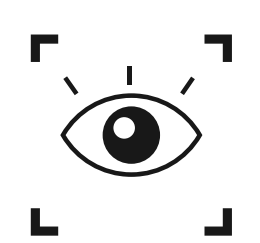


# Superior MotionCam Fibra

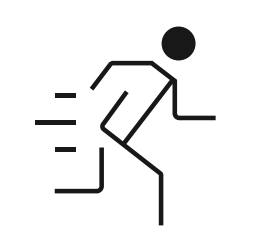
Wired PIR motion detector  
that takes photos by alarm

This is a device of the Superior product line. Only accredited Ajax Systems partners can sell, install, and maintain Superior products.



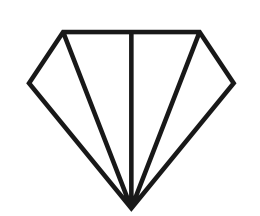
## Photo verification

- Built-in photo camera for the visual check of alarm causes
- IR illumination for low-light conditions
- Adjustable image resolution (up to 640 × 480 px)
- Up to 5 photos in a series<sup>1</sup>
- Up to 9 s to deliver the first photo<sup>2</sup>



## Motion detection

- Up to 12 m (39 ft) of detection range<sup>3</sup>
- Horizontal motion detection angle: 88.5°
- Temperature compensation for accurate detection at ambient temperature of −10 °C to +40 °C (14 °F to 104 °F)



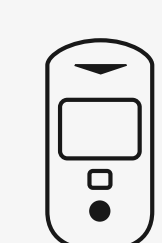
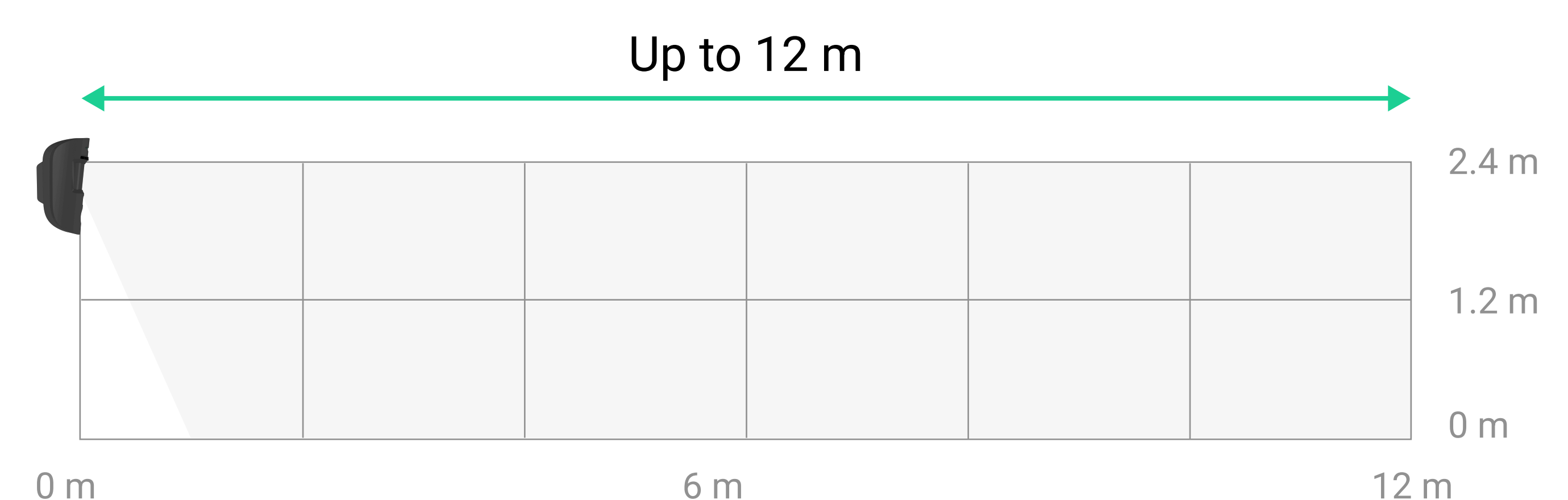
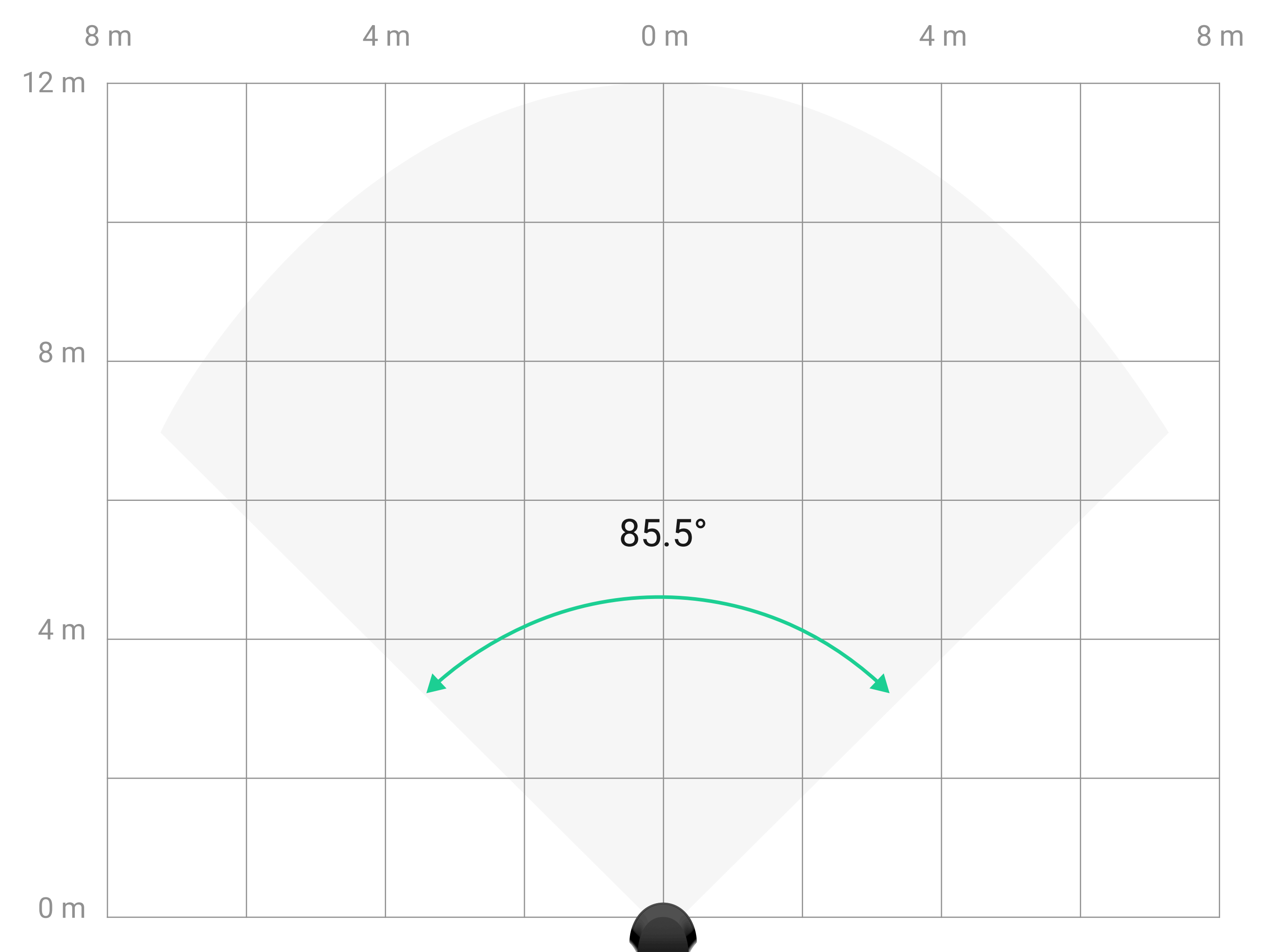
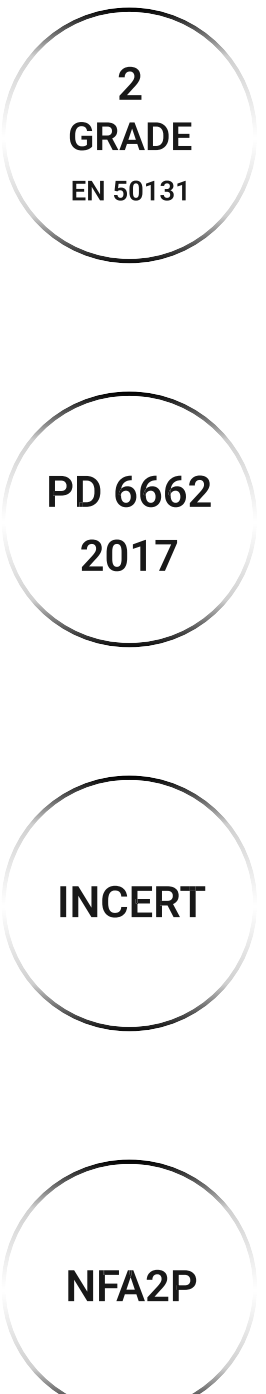
## Fibra communication technology

- Up to 2,000 m (6,550 ft) of two-way wired communication
- Data encryption throughout the entire transmission process
- Regular polling to display current device state
- Option to connect different device types via a single Fibra line



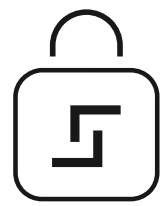
## False alarm prevention

- Four sensitivity levels adjustable through Ajax apps
- SmartDetect software algorithm to filter out thermal interference
- Pet immunity: the detector ignores movement of pets under 20 kg (44 lb) and 50 cm (1.6 ft) in height



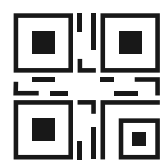
Ajax product portfolio also includes Superior MotionCam (PhOD) Fibra with extended photo verification possibilities.





## Sabotage protection

- Two tampers on both sides of the device body
- Device authentication to prevent spoofing
- Connection loss detection
- Data backup in case of connection loss



## Quick installation and setup

- Adding to a hub via automatic line scanning or QR code
- Remote control and configuration in Ajax apps
- Installation without enclosure disassembly

<b>Compliance with standards</b>  EN 50131 (Grade 2) PD 6662:2017 INCERT NFA2P	<b>Communication with a hub</b>  <b>Fibra communication technology</b>  <b>Wired connection</b> U/UTP cat.5 4×2×0.51 mm (24 AWG) cable, copper conductor 4 × 0.22 mm² signal cable, copper conductor  <b>Communication range</b> up to 2,000 m up to 6,550 ft With U/UTP cat.5 4×2×0.51 mm (24 AWG) cable	<b>Detection</b>  <b>Sensitive element</b> 1 × PIR sensor  <b>Detection range<sup>3</sup></b> up to 12 m up to 39 ft When installed at a height of 2.4 m (8 ft)  <b>Motion detection angle</b> horizontal: 88.5°  <b>Sensitivity</b> 4 levels Adjusted by a PRO or a user with admin rights in the Ajax app  <b>Pet immunity</b> weight: up to 20 kg (44 lb) height: up to 50 cm (1.6 ft)  <b>Temperature compensation</b>	<b>Photo verification</b>  <b>Image resolution (in pixels)</b> 640 × 480 320 × 240 (by default) 160 × 120 Adjusted by a PRO or a user with admin rights in the Ajax app  <b>Photos in a series</b> from 1 to 5 pics Adjusted by a PRO or a user with admin rights in the Ajax app  <b>First photo delivery time</b> up to 7 s for 160 × 120 px up to 9 s for 320 × 240 px up to 20 s for 640 × 480 px  <b>IR illumination</b>
<b>Power supply</b>  <b>Main power supply</b> 7–30 V $\overline{=}$ , up to 367 mW The device is powered by the hub or Superior LineSupply Fibra  <b>Auxiliary power supply</b> Built-in LTO AA battery	<b>Installation</b>  <b>Operating temperature</b> –10 °C to +40 °C 14 °F to 104 °F  <b>Operating humidity</b> up to 75%	<b>Enclosure</b>  <b>Color</b> black, white  <b>Dimensions</b> 135 × 70 × 66 mm 5.27" × 2.75" × 2.59"  <b>Weight</b> 160 g 5.6 oz  <b>Protection class</b> IP50, IK04	<b>Complete set</b>  Superior MotionCam Fibra SmartBracket mounting panel Installation kit Quick start guide

<sup>1</sup> The number of photos in a series depends on image resolution.  
<sup>2</sup> When default settings are applied (320 × 240 px). The delivery time depends on image resolution.  
<sup>3</sup> INCERT certification requires a detection range of up to 10 m (33 ft) at high sensitivity.



For detailed information, scan the QR code or follow the link:  
[ajax.systems/support/devices/superior-motioncam-fibra/](https://ajax.systems/support/devices/superior-motioncam-fibra/)



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