

# Superior MotionCam HD (PhOD) Jeweller

Wireless IR motion detector that takes on-demand photos and photos by alarm, schedule, and scenario. Support for HD photo.

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

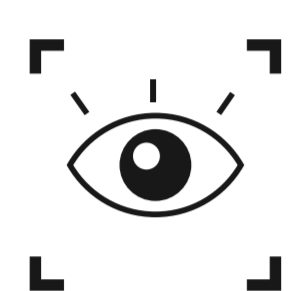


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GRADE  
EN 50131

PD 6662  
2017

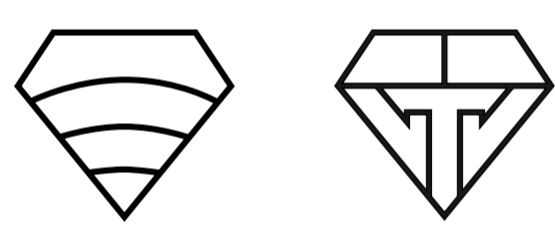
SSF

in progress



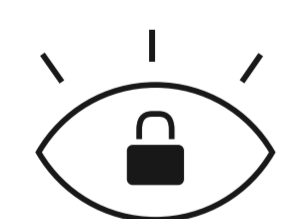
## Photo verification

- High-definition<sup>1</sup> (HD) photos with a resolution of up to 960 × 720 pixels
- Up to 5 photos in a series<sup>2</sup>
- 4.5 seconds to send a photo in default resolution and 16 seconds for an HD photo
- Four types of photo verification: by alarm, by scenario, by schedule, and on demand
- IR illumination for low light conditions
- HDR technology to get clear images in difficult lighting conditions like insufficient or excessive sunlight



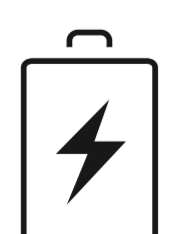
## Jeweller and TurboWings communication technologies

- Up to 1,700 m (5,550 ft) of wireless communication range in an open space
- Encrypted graphic data is stored in compliance with GDPR requirements
- Regular polling to display the current device state in apps
- Frequency hopping to prevent interception and jamming



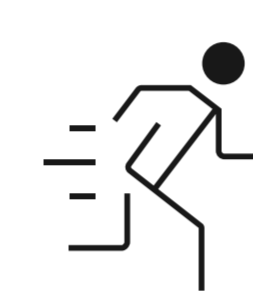
## Privacy first

- The event log stores the last 500 system events with device, time, and event description
- On-demand photos are linked to the user who requested them
- Only authorized system users can access the virtual storage and view photos
- Once stored, the photos are not processed or analyzed



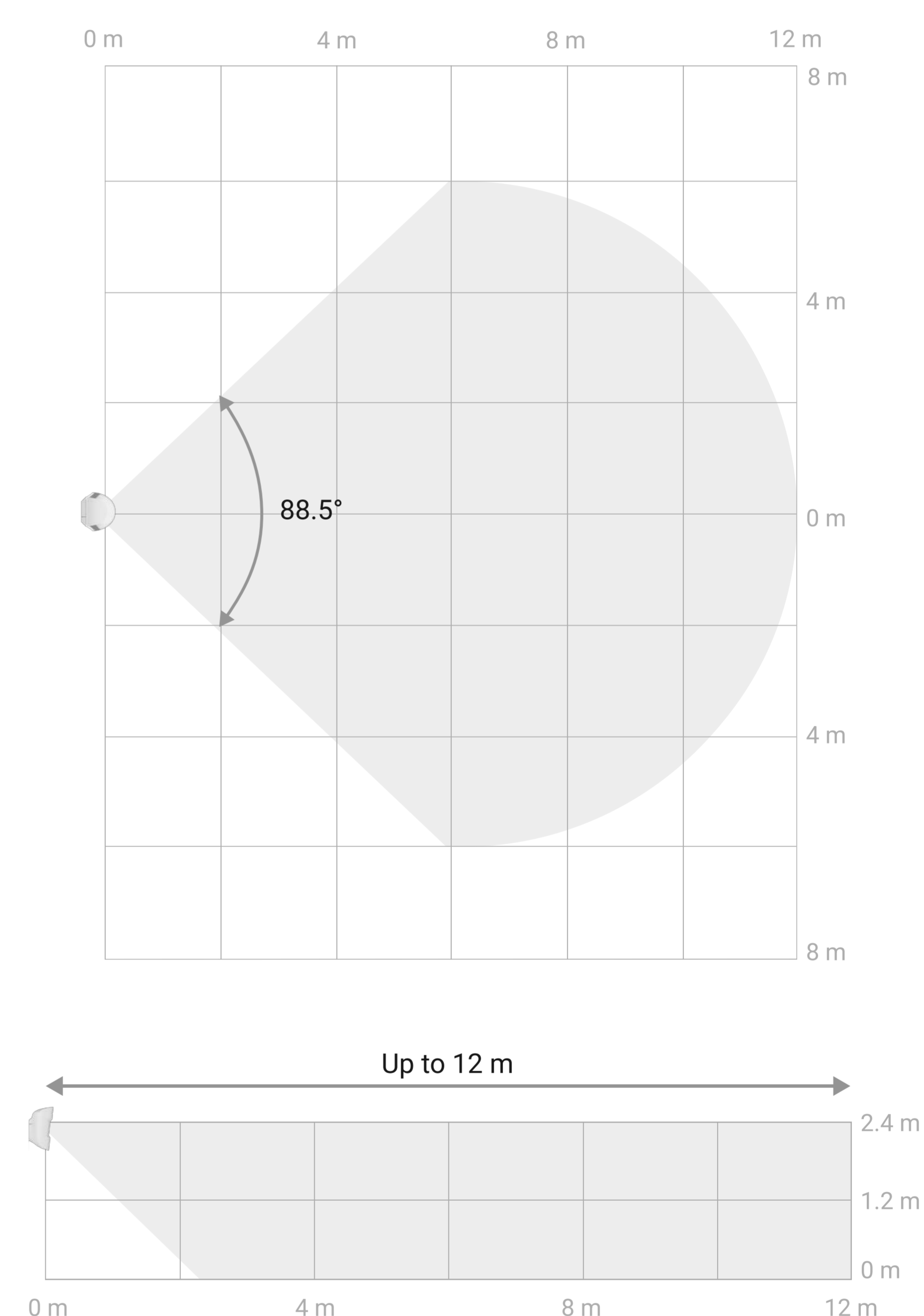
## Outstanding autonomy

- Up to 4 years of operation with Photo on demand feature disabled and up to 3 years with it enabled
- Low battery notification
- Pre-installed enhanced batteries



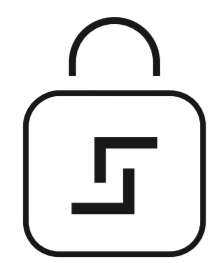
## Movement detection

- Up to 12 m (39 ft) of movement detection distance
- Horizontal viewing angle of 88.5°
- Temperature compensation from -10 °C to +40 °C (from 14 °F to 104 °F) for effective movement detection



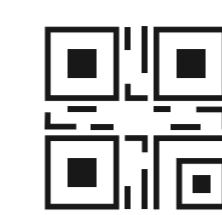
## False alarm prevention

- Four sensitivity levels adjustable through Ajax apps
- SmartDetect software algorithm to prevent false alarms
- Pet immunity



## Sabotage resistance

- Tamper alarm to notify of attempts to dismantle the device
- Protection against spoofing with device authentication



## Hassle-free installation

- Pairing with the hub by scanning the QR code
- Remote control and configuration in Ajax apps
- No need to disassemble the enclosure during installation

<p><b>Compliance with standards</b></p> <p>EN 50131-2-6 (Grade 2) PD 6662:2017 SSF (in progress)</p> <p><b>Compatibility</b></p> <p><b>Hubs</b> Hub 2 (2G) Jeweller Hub 2 (4G) Jeweller Hub 2 Plus Jeweller Hub BP Jeweller Hub Hybrid (2G) Hub Hybrid (4G)</p> <p><b>Range extenders</b> ReX 2 Jeweller</p>	<p><b>Communication with a hub</b></p> <p><b>Jeweller and TurboWings communication technologies</b></p> <p><b>Frequency bands</b> 866.0–866.5 MHz 868.0–868.6 MHz 868.7–869.2 MHz 905.0–926.5 MHz 915.85–926.5 MHz 921.0–922.0 MHz Depends on the sales region.</p> <p><b>Communication range</b> up to 1,700 m up to 5,550 ft In an open space.</p> <p><b>Polling interval</b> 12–300 s Adjusted by a PRO or a user with admin rights in the Ajax app.</p> <p><b>Protection against spoofing</b> Device authentication</p>	<p><b>Photo verification</b></p> <p><b>Photo resolution in pixels</b> 960 × 720 640 × 480 320 × 240 160 × 120 Adjusted by a PRO or a user with admin rights in the Ajax app.</p> <p><b>IR illumination</b></p> <p><b>HDR technology</b></p> <p><b>Support for HD photos</b></p> <p><b>Photos in a series<sup>2</sup></b> from 1 to 5 Adjusted by a PRO or a user with admin rights in the Ajax app.</p> <p><b>Photo delivery time</b> 4.5 s for photos in default resolution (640 × 480 pixels) 16 s for HD photos</p> <p><b>Photo verification types</b> Photo by alarm Photo on demand Photo by schedule Photo by scenario</p>	<p><b>Motion detection</b></p> <p><b>Sensitive element</b> PIR sensor</p> <p><b>Motion detection distance</b> up to 12 m up to 39 ft When installed at a height of 2.4 m (8 ft).</p> <p><b>Motion detection angle</b> horizontal: 88.5°</p> <p><b>Motion detection speed</b> from 0.3 to 2.0 m/s from 1 to 6.6 ft/s The detector lens should be positioned perpendicular to the suspected intrusion path into the facility.</p> <p><b>Temperature compensation</b></p> <p><b>Sensitivity</b> 4 levels Adjusted by a PRO or a user with admin rights in the Ajax app.</p>
<p><b>Power supply</b></p> <p><b>Battery</b> 2 × CR123A (pre-installed)</p> <p><b>Battery life</b> up to 4 years With Photo on demand feature disabled</p> <p>up to 3 years With Photo on demand feature enabled</p>	<p><b>Installation</b></p> <p><b>Recommended installation height</b> 2.4 m 8 ft</p> <p><b>Operating temperature range</b> from –10 °C to +40 °C from 14 °F to 104 °F</p> <p><b>Operating humidity</b> up to 75%</p> <p><b>Protection class</b> IP50</p>	<p><b>Enclosure</b></p> <p><b>Color</b> white, black</p> <p><b>Dimensions</b> 135 × 70 × 60 mm 5.31" × 2.75" × 2.36"</p> <p><b>Weight</b> 167 g 5.9 oz</p>	<p><b>Complete set</b></p> <p>Superior MotionCam HD (PhOD) Jeweller 2 × CR123A battery (pre-installed) SmartBracket mounting panel Installation kit Quick start guide</p>

<sup>1</sup> The first photo delivery within 16 seconds.

<sup>2</sup> The number of photos in a series depends on the photo resolution.



For detailed information, scan the QR code or follow the link:

[ajax.systems/support/devices/superior-motioncam-hd-phod-jeweller/](https://ajax.systems/support/devices/superior-motioncam-hd-phod-jeweller/)

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