

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.



2
GRADE
EN 50131

PD 6662
2017

SSF

in progress

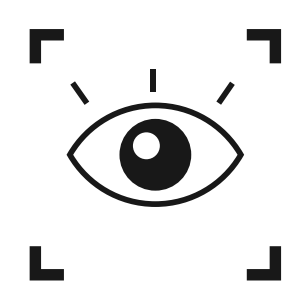
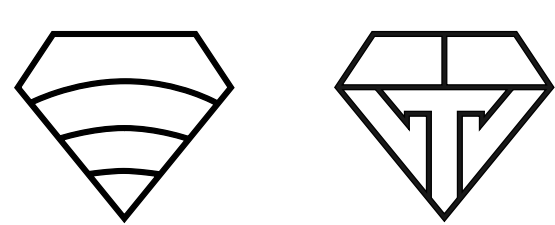


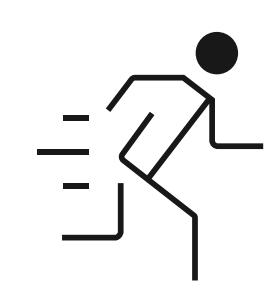
Photo verification

- High-definition¹ (HD) photos with a resolution of up to 960 × 720 pixels
- Up to 5 photos in a series²
- 4.5 seconds to send a photo in resolution of 320 × 240 pixels
- 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



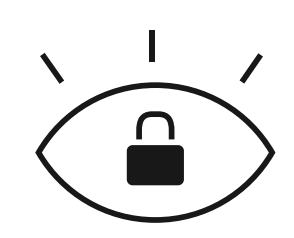
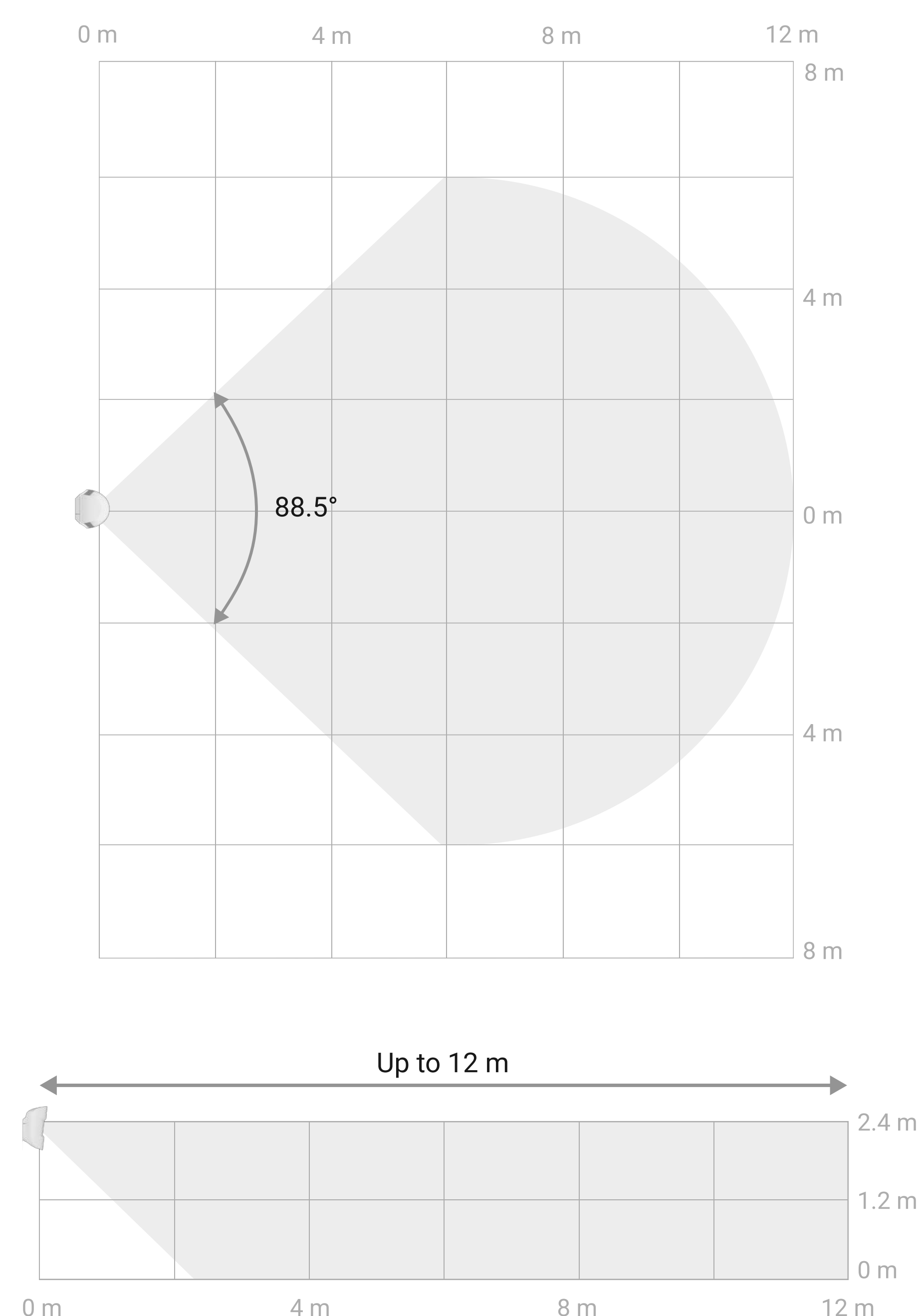
Jeweller and TurboWings communication technologies

- 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



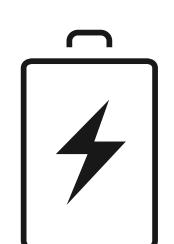
Movement detection

- 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



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



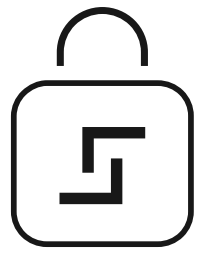
Outstanding autonomy

- 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



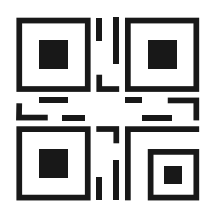
False alarm prevention

- 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

<div>Compliance with standards</div> <div>EN 50131-2-6 (Grade 2) PD 6662:2017 SSF (in progress)</div> <div>Compatibility</div> <div></div> <div>For detailed information, scan the QR code or follow the link: ajax.systems/tools/devices-compatibility/?models=MC.SPHD.J</div>	<div>Communication with a hub</div> <div>Jeweller and TurboWings communication technologies</div> <div>Frequency bands 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.</div> <div>Communication range up to 1,700 m up to 5,550 ft In an open space.</div> <div>Polling interval 12–300 s Adjusted by a PRO or a user with admin rights in the Ajax app.</div> <div>Protection against spoofing Device authentication</div>	<div>Photo verification</div> <div>Photo resolution in pixels 960 × 720 640 × 480 320 × 240 160 × 120 Adjusted by a PRO or a user with admin rights in the Ajax app.</div> <div>IR illumination</div> <div>HDR technology</div> <div>Support for HD photos</div> <div>Photos in a series² from 1 to 5 Adjusted by a PRO or a user with admin rights in the Ajax app.</div> <div>Photo delivery time³ 3 s for photos in resolution of 160 × 120 pixels 4.5 s for photos in resolution of 320 × 240 pixels 11 s for photos in resolution of 640 × 480 pixels (default settings) 15.5 s for HD photos (960 × 720 pixels)</div> <div>Photo verification types Photo by alarm Photo on demand Photo by schedule Photo by scenario</div>	<div>Motion detection</div> <div>Sensitive element PIR sensor</div> <div>Motion detection distance up to 12 m up to 39 ft When installed at a height of 2.4 m (8 ft).</div> <div>Motion detection angle horizontal: 88.5°</div> <div>Motion detection speed 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.</div> <div>Temperature compensation</div> <div>Sensitivity 4 levels Adjusted by a PRO or a user with admin rights in the Ajax app.</div>
<div>Power supply</div> <div>Battery 2 × CR123A (pre-installed)</div> <div>Battery life up to 4 years With Photo on demand feature disabled up to 3 years With Photo on demand feature enabled</div>	<div>Installation</div> <div>Recommended installation height 2.4 m 8 ft</div> <div>Operating temperature range from −10 °C to +40 °C from 14 °F to 104 °F</div> <div>Operating humidity up to 75%</div> <div>Protection class IP50</div>	<div>Enclosure</div> <div>Color white, black</div> <div>Dimensions 135 × 70 × 60 mm 5.31" × 2.75" × 2.36"</div> <div>Weight 167 g 5.9 oz</div>	<div>Complete set</div> <div>Superior MotionCam HD (PhOD) Jeweller 2 × CR123A battery (pre-installed) SmartBracket mounting panel Installation kit Quick start guide</div>




¹ The first photo delivery within 15,5 seconds.

² The number of photos in a series depends on the photo resolution.

³ This is the time it takes for the photo to be delivered from the detector to the hub. The delivery time to the apps depends on the quality of the connection between the hub and the server, as well as the internet speed on the smartphone.



For detailed information, scan the QR code or follow the link:
ajax.systems/support/devices/superior-motioncam-hd-phod-jeweller/

 support@ajax.systems
 [@AjaxSystemsSupport_Bot](https://t.me/AjaxSystemsSupport_Bot)
 ajax.systems