Superior MotionCam HD (PhOD) Jeweller

Communication	
	Jeweller communication technology Proprietary wireless communication technology to transmit commands, alarms, and events. Key features: ● Two-way communication. ● Advanced sabotage protection. ● Block encryption featuring a dynamic key. ● Instant notifications. ● Remote control and configuration in Ajax apps. **Frequency bands** 868.0–868.6 MHz Depends on the sales region. **Maximum effective radiated power (ERP)** up to 20 mW Automatic power control to reduce power consumption and radio interference. **Radio signal modulation** GFSK **Radio communication range** up to 1,700 m up to 5,550 ft Between the device and a hub (or a range extender) in an open space. **Encrypted communication** All stored and transmitted data is protected by block encryption featuring a dynamic key. **Frequency hopping** To prevent radio interference and jamming. **TurboWings communication technology** Proprietary wireless communication technology to transmit photo verifications. Key features: ● Two-way communication. ● Advanced sabotage protection. ● Block encryption featuring a dynamic key. ● Data packages reload in case of transmission errors. ● Fast photo delivery. ● Photo delivery confirmation. **Frequency bands** 868.0–868.6 MHz

	Depends on the sales region. **Radio communication range** up to 1,700 m up to 5,550 ft Between the device and a hub (or a range extender) in an open space. **Encrypted communication** All stored and transmitted data is protected by block encryption featuring a dynamic key. **Frequency hopping** To prevent radio interference and jamming.
Detection	**Sensitive element** 1 PIR sensor **Motion detection distance** up to 12 m up to 39 ft When installed at a height of 2.4 m. When installed at a height of 7.9 ft. **Motion detection angle** horizontal: 88.5° **Motion detection speed** from 0.3 to 2 m/s from 1 to 6.6 ft/s The detector lens should be positioned perpendicular to the likely intrusion path into the facility. **Sensitivity** 4 levels Adjusted by PRO or a user with admin rights in an Ajax app **Pet immunity** weight: up to 20 kg weight: up to 44 lb height: up to 50 cm height: up to 1.6 ft **Learn more >** **False alarm prevention** SmartDetect Software algorithm. **Temperature compensation** Effective motion detection at temperatures from −10 °C to +40 °C. from 14 °F to 104 °F.

Photo verification	**Photo by Alarm** The built-in camera is activated if the detector is armed and motion is detected. **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 the specified time. The feature is not configured by default. **Adjustable photo resolution** 960 × 720 px 640 × 480 px (by default) 320 × 240 px 160 × 120 px Adjusted by PRO or a user with admin rights in an Ajax app. **Camera viewing angles** horizontal: 90° vertical: 50° **HDR image** Improves detail accuracy in bright and dark scenes. **IR illumination** For night photography and low-light conditions. **Series of pictures** from 1 to 5 images with a resolution of 320 × 240 px or 160 × 120 px from 1 to 3 images with a resolution of 640 × 480 px or 960 × 720 px Adjusted by PRO or a user with admin rights in an Ajax app. **Photo delivery time** TBC up to XX s — 160 × 120 px resolution up to XX s — 320 × 240 px resolution up to XX s — 640 × 480 px resolution up to XX s — 960 × 720 px resolution Photo delivery time depends on the image resolution selected in the device settings.
Recommendations	It is recommended to install the detector at a height of 2.4 m. It is recommended to install the detector at a height of 7.9 ft. The device is designed for indoor use only.

Sabotage protection	**Tamper alarm** Notifications on attempts to detach the detector from the surface or remove it from the mounting panel. **Holding screw** to secure the detector on SmartBracket **Protection against spoofing** via device authentication **Communication loss detection** after 36 s Detection time depends on the Jeweller or Jeweller/Fibra settings.
Power supply	**Batteries** 2 × CR123A Pre-installed. **Type** type C **Calculated battery life** up to 4 years With **Photo on demand** toggle **disabled**. up to 3 years With **Photo on demand** toggle **enabled**. **Operating voltage range** 4.2–6.2 V⎓ **Nominal operating voltage** 6 V⎓ **Quiescent current consumption at nominal voltage** 0.030 mA **Maximum current consumption at nominal voltage** 400 mA **Full capacity** 1,550 mAh **Low battery voltage** 4.705–5.00 V⎓ **Low battery recovery voltage** 5.055–5.355 V⎓ **End-of-life battery voltage** 3.80 V⎓

	Device is switched off.
	End-of-life battery capacity 150 mAh
	Manufacturer Panasonic
Enclosure	**Dimensions** 135 × 70 × 60 mm 5.31" × 2.75" × 2.60" **Weight of the white device** 170 g 6.0 oz **Weight of the black device** 157 g 5.54 oz **Operating temperature range** from −10 °C to +40 °C from 14 °F to 104 °F **Operating humidity** up to 75% **Protection class** IP50
Colors	**Black** **White**
Complete set	Superior MotionCam HD (PhOD) Jeweller SmartBracket mounting panel with holding screw 2 × CR123A batteries (pre-installed) Installation kit Quick start guide
Warranty	24 months