

Tech specs

**B**ASELINE

# DualCurtain Outdoor Jeweller

Wireless bidirectional curtain IR motion detector



**Devices compatibility**



# Communication

## Jeweller communication technology

Proprietary wireless technology for transmission of alarms and events.

Features:

- Two-way communication.
- Advanced anti-sabotage.
- Block encryption featuring a floating key.
- Instant notifications.
- Remote configuration via the Ajax apps.

[Learn more >](#)

## Radio 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 region of sale.

## 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

Between the detector and a hub (or radio signal range extender) in an open space.

**Calculate radio communication range at the facility** >

## **Encrypted communication**

All the data stored and transmitted are protected by block encryption with a floating key.

## **Frequency hopping**

To prevent radio interference and jamming.

**Learn more** >

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# Detection

## Sensitive elements

4 × IR sensor



## Motion detection distance

4–15 m for each side

When installed at a height of 0.8 to 1.3 m. Adjusted separately for each side using sliders on the detector rear panel.



## Viewing angles

horizontal – 4.5°  
vertical – 90°

## Motion detection speed

0.3 to 2.0 m/s

The direction of the detector lens should be perpendicular to the intended path of entry into the facility.

## Near zone detection

When enabled, the detector's upper IR sensor receives an additional sector of view, directed at an angle of 40° downward of the main sector.

This is necessary to detect motion near the detector and reduce blind spot.

Adjusted separately for each side using sliders on the detector rear panel.

**Learn more** >

## **Viewing angle shift**

When enabled, the optical system viewing angle can be shifted by 3° in the horizontal plane.

Adjusted separately for each side using sliders on the detector rear panel.

**Learn more** >

## **Sensitivity**

3 levels

Adjusted by a PRO or user with admin rights in the Ajax app.

## **Pet immunity**

height: up to 80 cm

weight: irrelevant

[Learn more](#) >

## **Protection from false alarms**

SmartDetect

ELSA

Software algorithms.

## **Temperature compensation**

Effective motion detection at temperatures from  $-25^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

## **Recommendations**

The detector is installed at a height of 0.8–1.3 meters from ground level when used to protect doors, arches, other passages, or the area in front of windows. Otherwise, if the detector is used to protect

windows, it is installed at a height of 0.5–0.6 meters from the window sill.

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## **Anti-sabotage protection**

### **Tampering alarm**

Alerts of attempts to detach the detector from the surface or remove the mounting panel.

[Learn more >](#)

### **Protection against spoofing**

device authentication

### **Anti-masking system**

DualCurtain Outdoor Jeweller detects the following types of masking:

- Obstacles in front of the detector's lenses at a distance of up to 10 centimeters (depends on the material).
- Painting over the detector's lenses.
- Taping the lenses or the detector's sides.

[Learn more >](#)

## Lost connection detection

from 36 s

The time to detect the communication loss depends on the **Jeweller** (or **Jeweller/Fibra**) settings.

[Learn more >](#)

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## Power supply

2 × CR123A battery

Up to 4 years of batteries life.

[Learn more >](#)

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## Enclosure

## Dimensions

174 × 123 × 88 mm

174 mm



123 mm



## Weight

615 g

## Operating temperature range

-25°C to +60°C



88 mm



## Operating humidity

up to 95%

## Protection class

IP54

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## Colour

White



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## Complete set

DualCurtain Outdoor Jeweller

SmartBracket mounting panel

Installation kit

2 × CR123A battery

Pre-installed.

Quick start guide

## Certification and compliance with standards



DualCurtain Outdoor Jeweller



## Additional information

### Compliance with standards

[Learn more >](#)

### User manual

[Learn more >](#)

### Warranty

24 months

[Learn more >](#)

## Products

Superior

Fibra

Intrusion protection

Video surveillance

Fire detection

Water leak prevention

Comfort & Productivity

All products

Ajax ecosystem  
integrations

## Software

For users

PRO Desktop

Ajax Translator

Scenarios



Available on  
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Rating 4.6

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