DHI-ARD2631E-W2(868)

Wireless External Curtain PIR



- Dual PIR + Microwave.
- Supports installation at both high and low heights.
- Supports detection distance adjustment.
- Supports microwave trajectory tracking. By capturing the target's three-dimensional information (distance, velocity, and angle), it establishes a moving trajectory map that can identifies target motion patterns, filters out non-target movement interference, and reduces false alarm rates.
- Supports anti-masking.
- OTA upgrading.
- IP65 rated.
- Supports back-to-back installation of two detectors, forming left and right bidirectional detection zones to achieve full coverage protection of passageways on both sides of doors and windows.

Series Overview

The Wireless External Curtain PIR is a motion detector that uses dual motion sensing technology. Its narrow 8° horizontal curtain beam reaches up to 12 meters, providing focused perimeter coverage and reliable intrusion detection. Suited for indoor and outdoor use, it helps protect windows, doorways and other access points.

Technical Specification

Function

Indicator Light	1 × Three-color alarm light (green, yellow, red)
Button	1 × power button 1 × Installation height adjustment switch
Remote Update	Cloud update
Low Battery Detection	Yes
Tamper	Tamper alarm
Moving detection	Yes

Technical

Detection Mode	PIR + Microwave
Sensitivity	3 levels adjustable
Detection Range	Range:5-12 m horizontal: 8° vertical: 58° The angle is 58° at 2.4 m
Detection Speed	0.3 m/s–2m/s
Microwave Frequency	24G
Pet Immunity Level	<50cm (19.68 ft),about 18 kg (39.68 lb) when installed at height of 2.4m(7.9ft) <1m (3.3 ft) when installed at height of 1m(3.3ft)
White Light Resistance Level	10000 lux
Anti-masking	Yes. The material and distance of an obstruction can affect the detection results.
Two-way Digital Temperature Compensation	Yes
Scenario	Outdoor,indoor
Operating Current	50 uA
Alarm Current	58 mA (Avg); 880 mA (Max)

Wireless

Carrier Frequency	Airfly:868.0 MHz-868.6 MHz RF-HD：865.0 MHz-867.0 MHz (Device Upgrade)
Transmitter Power (EIRP)	limit 25mW
Communication Mechanism	Two-way
Communication Distance	Up to 1,600 m (5249.34 ft) in an open space
Encryption Mode	AES128
Frequency Hopping	Yes

General

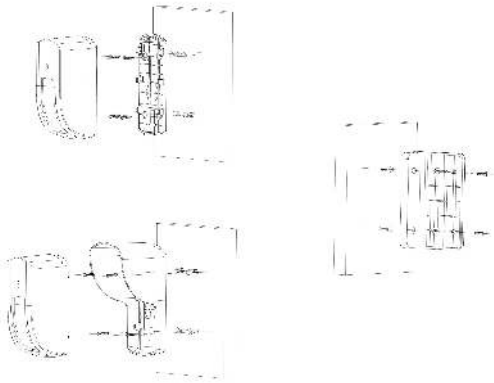
Battery Model	CR123A×2
Battery Life	4.2 years (triggers 1 alarm a day)
Operating Temperature	–25 °C to +60 °C (–13 °F to +140 °F)
Operating Humidity	10%–90% (RH)
Product Dimensions	With sunshade：154.6 mm × 72.3 mm × 81.1 mm (6.09" × 2.85" × 3.19") Without sunshade：138 mm × 59 mm × 65.57 mm (5.43" × 2.32" × 2.58")

Installation Height	Low mounting: 0.8 to 1.3 m High mounting: 2 to 2.4 m (the mounting height affects the detection range)
Net Weight	0.35 kg (0.77 lb)
Gross Weight	0.76 kg (1.68 lb)
Installation	Wall mount
Casing Material	PC + GF
Protection	IP65
Anti-corrosion Level	Basic Protection *The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection.
Packaging Dimensions	181 mm × 142 mm × 111 mm (7.13" × 5.59" × 4.37")

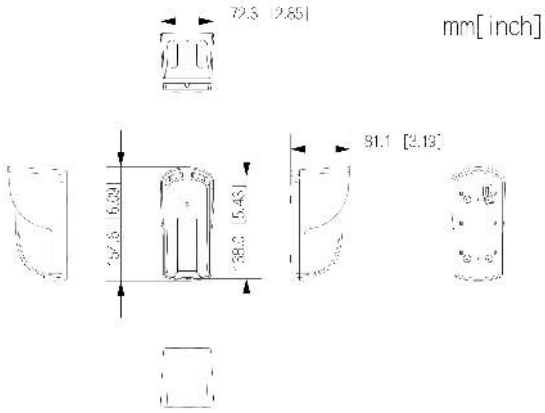
Ordering Information

Type	Model	Description
Wireless External Curtain PIR	DHI-ARD2631E-W2(868)	Wireless External Curtain PIR

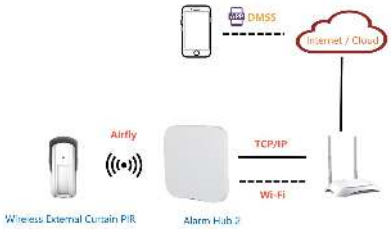
Installation



Dimensions (mm[inch])



Application



Rev 002.000 ©Dahua. All rights reserved. Design and specifications are subject to change without notice.
Pictures in the document are for reference only, and the actual product shall prevail.