

DHI-ARD1233-W2(915)

Dahua Wireless PIR Detector



- Pet immunity function.
- Auto temperature compensation.
- 3-level sensitivity adjustment.
- Signal strength detection.
- Low battery alarm.
- Supports temperature monitoring.
- Offers frequency hopping and two-way talk technology, ensuring the stability of communication.
- Cloud update and automatic recovery from update failure.

Series Overview

The Wireless PIR Detector recognizes the first signs of an office or home intrusion by leveraging PIR detection technology to detect when people are moving. When a location is intruded, the detector immediately sends notifications directly to you. Easy to install, it can be attached to the walls in front of doors and other places where intruders are likely to enter from.

Technical Specification

Function

Indicator Light	1 × green alarm indicator
Button	1 × power button
Remote Update	Cloud update
Low Battery Detection	Yes
Tamper	Yes
Measuring Range (Temperature)	−15 °C to +65 °C (+5 °F to +149 °F) (indoor)
Measuring Accuracy	± 1 °C (± 1.8 °F)

Technical

Sensor	Dual elements low-noise PIR sensor
Detection Mode	PIR
Sensitivity	3 levels adjustable
Detection Range	12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft)
Detection Speed	0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)
Pet Immunity Level	Weight: ≤18 kg (39.68 lb)
White Light Resistance Level	2,000 lux

Two-way Digital Temperature Compensation	Yes
Test Mode	Yes
Operating Current	3 VDC, 86 mA (max) 3 VDC, 34 uA (standby)

Wireless

Carrier Frequency	915 MHz–928 MHz
Transmitter Power (EIRP)	Limit 1 W
Communication Mechanism	Two-way
Communication Distance	Up to 1,600 m (5,249.34 ft) in an open space
Encryption Mode	AES128
Frequency Hopping	Yes

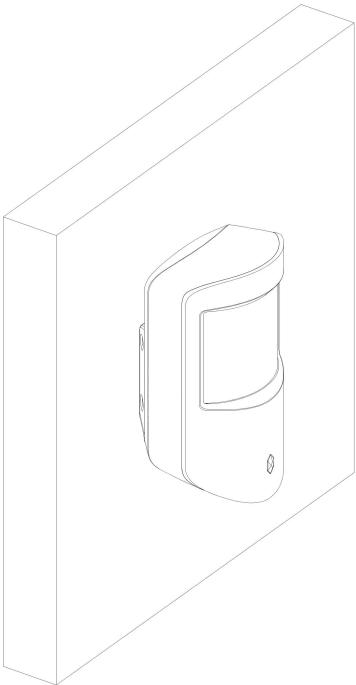
General

Power Supply	CR123A × 1
Power Supply Type	Type C
Battery Life	Lasts for 4 years if alarms are triggered 10 times a day, with a battery capacity of 70%.
Power Consumption	258 mW (max) 0.102 mW (standby)
Operating Temperature	−10 °C to +55 °C (+14 °F to +131 °F) (indoor)
Operating Humidity	10%–90% (RH)
Product Dimensions	104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97") (L × W × H)
Net Weight	100 g (0.22 lb)
Gross Weight	170 g (0.37 lb)
Installation	Wall mount
Casing Material	PC + ABS
Packaging Dimensions	135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H)

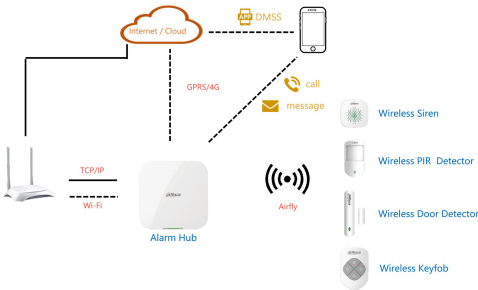
Ordering Information

Type	Model	Description
Wireless PIR Detector	DHI-ARD1233-W2(915)	Dahua Wireless PIR Detector

Installation



Application



Dimensions (mm[inch])

