DHI-ARD1233-W2(868)

Wireless PIR Detector



- Pet immunity function;
- Auto temperature compensation;
- 3-level sensitivity adjustment;
- Signal strength detection;
- Low battery alarm;
- temperature monitoring;
- Frequency hopping function and two-way communication technology ensure communication stability;
- 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

Port

Indicator Light	1 × green alarm indicator
Button	1 × power button

Function

Tamper Alarm	Yes
Remote Update	Cloud update
Search	Signal strength detection
Low Battery Alarm	Yes

Wireless Parameters

Carrier Frequency	868.0 MHz–868.6 MHz
Transmitter Power (EIRP)	Limit 25 mW
Communication Distance	Up to 1,600 m (5,249.34 ft) in an open space
Communication Mechanism	Two-way
Encryption Mode	AES128
Frequency Hopping	Yes

General

Power Supply	CR123A battery
Battery Life	4 years
Power Consumption	Max. 120 mW
Operating Environment	–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)
Installation	Wall mount
Net Weight	100 g (0.22 lb)
Gross Weight	170 g (0.37 lb)
Casing Material	PC + ABS
Certifications	CE; EN 50131-1:2006+A1:2009+A2:2017+A3:2020; EN 50131-2-2:2017; EN 50131-6:2017; EN 50131-5-3:2017; Security Grade 2; Environmental Class II
Packaging Dimensions	135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H)

Temperature

Measuring Range (Temperature)	–15 °C to +65 °C (+5 °F to +149 °F) (indoor)
Measuring Precision (Temperature)	± 1 °C (± 1.8 °F)
Resolution (Temperature)	1 °C (33.8 °F)

Technical Parameter

Detection Mode	PIR
Sensor	Dual elements low-noise PIR sensor
Test Mode	Yes
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	≤ 18 kg (39.68 lb)

White Light Resistance Level	2000 lx
Two-way Digital Temperature Compensation	Yes
Sensitivity	3 levels adjustable

Ordering Information

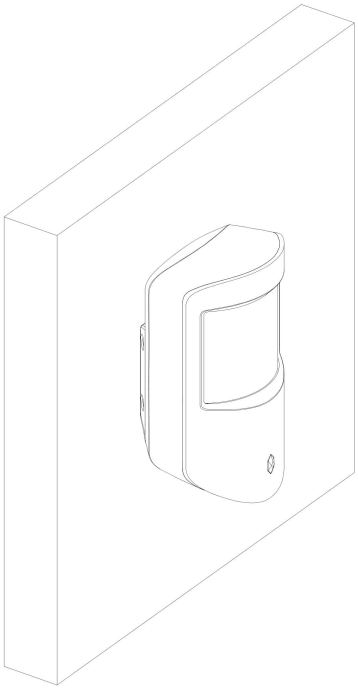
Type	Model	Description
Wireless PIR Detector	DHI-ARD1233-W2(868)	Wireless PIR Detector
Accessories (Optional)	DHI-ARA33A	Detector Bracket

Accessories

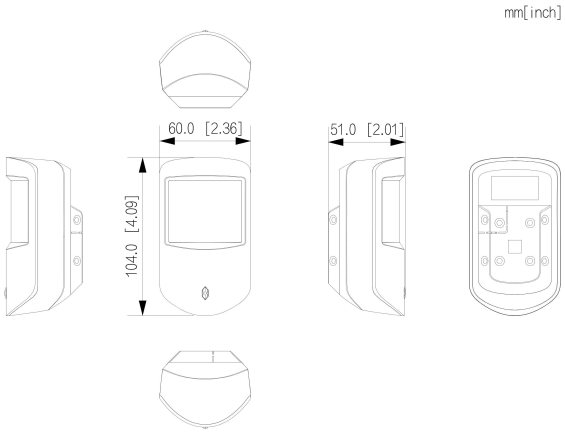
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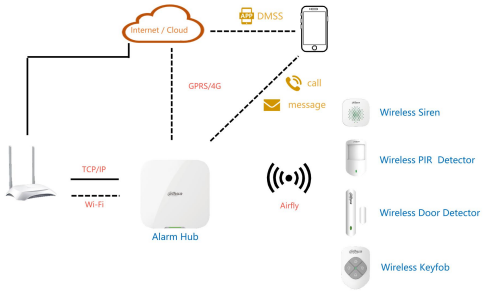
DHI-ARA33A
Detector Bracket



Dimensions (mm[inch])



Application



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