

DHI-ARD2231-W2(915)

Dahua Wireless Dual-Tech Detector



Series Overview

Wireless Dual-Tech Detector is an indoor detector that detects human motion. Using passive IR and microwave detection technologies, the device detects the movement of persons and senses when they have entered the detection area. Through these technologies, false detections caused by thermal interference are also greatly reduced. The device is easy to install and use, and can be directly configured on the app.

Technical Specification

Function

Indicator Light	1 × green alarm indicator
Button	1 × power switch
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-element low-noise PIR sensor, microwave sensor
Detection Mode	PIR + Microwave
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)
Microwave Frequency	24 GHz
Pet Immunity Level	Weight: ≤18 kg (39.68 lb), Height: < 50 cm (19.68 ft)
White Light Resistance Level	2,000 lux

- Pet immunity function.
- Auto temperature compensation.
- 3-level sensitivity adjustment.
- Displays the temperature of the surrounding environment and supports the overheating alarm.
- Frequency hopping and two-way communication technology ensure that communication is stable.
- Supports cloud update and automatically restores when cloud update fails.
- PIR and microwave motion detection.
- Uses RF to detect interference and supports data encryption.

Two-way Digital Temperature Compensation	Yes
Test Mode	Yes
Operating Current	3 VDC, 279 mA (max) 3 VDC, 36 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 3 years if alarms are triggered 10 times a day, with a battery capacity of 80%.
Power Consumption	837 mW (max) 0.108 mW (standby)
Operating Temperature	Indoor: −10 °C to +55 °C (+14 °F to +131 °F) Certified temperature: −10 °C to +40 °C (+14 °F to +104 °F)
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	106 g (0.23 lb)
Gross Weight	184 g (0.41 lb)

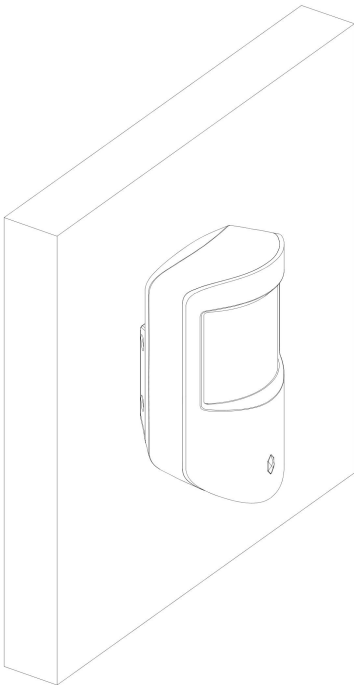
Wireless Dual-Tech Detector | DHI-ARD2231-W2(915)

Installation	Wall mount
Casing Material	PC + ABS
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	135 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H)

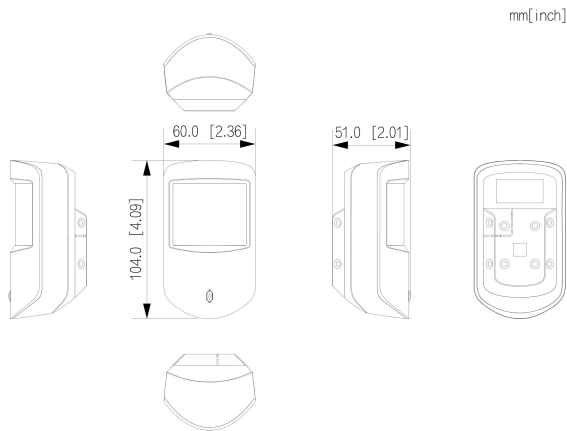
Ordering Information

Type	Model	Description
Wireless Dual-Tech Detector	DHI-ARD2231-W2(915)	Dahua Wireless Dual-Tech Detector

Installation



Dimensions (mm[inch])



Application

