

DHI-ARD1233-W2

Wireless PIR detector



- Pet immunity function.
- · Auto temperature compensation.
- · 3-level sensitivity adjustment.
- · Low battery alarm.
- · Anti-tampering.
- Temperature measurement.
- Frequency hopping function and two-way communication technology ensure communication stability.
- Cloud update and automatic recovery from update failure.

System Overview

Wireless PIR detector is a wireless motion detector that can detect if there is a human moving around the detector. It can detect human or large animals invading the armed area, and provides timely notifications of alarm events, acting as a monitoring mechanism.

Scene

Mainly applied for villas, shops, apartments, etc.

Technical Specification

Port

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

Tamper Alarm	Yes
Remote Upgrade	Cloud update
Search	Signal strength detection
Test Mode	Yes
Low Battery Alarm	Yes

Wireless

Carrier Frequency	433.1 MHz–434.6 MHz
Communication Distance	Up to 1,200 m (3,937.01 ft) in an open space
Communication Mechanism	Two-way
Encryption Mode	AES128

Frequency Hopping	Yes	
General		
Power Supply	CR123A battery	
Power Consumption	Max. 75 mW	
Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F) (indoor)	
Operating Humidity	10%–90% (RH).	
Product Dimensions	104.0 mm \times 60.0 mm \times 50.0 mm (4.09" \times 2.36" \times 1.97") (L \times W \times H)	
Packaging Dimensions	135.0 mm \times 98.5 mm \times 56.8 mm (5.31" \times 3.88" \times 2.24") (L \times W \times H)	
Installation	Wall mount	
Net Weight	100 g (0.22 lb)	
Gross Weight	170 g (0.37 lb)	
Certifications	CE	
Battery Life	4 years	
Casing	PC + ABS	
Temperature		
Measuring Range	−15 °C to +65 °C (+18.8 °F to +149 °F) (indoor)	
Measuring Precision	± 1 °C (± 33.8 °F)	

1 °C (33.8 °F)

Dual-element low-noise PIR sensor



Resolution

Sensor

Specification

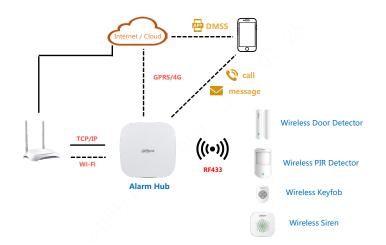
Detection Mode

ARD1 | DHI-ARD1233-W2

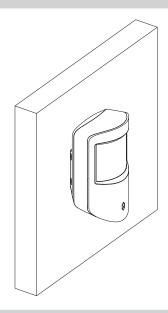
Detection Range	12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft)	
Detection Speed	0.3 m/s-3 m/s (0.98 ft/s-9.84 ft/s)	
Pet Alarm Level	≤ 18 kg (39.68 lb)	
Pet Immunity Level	6500 lx	
Two-way Digital Temperature Compensation	Yes, no attenuation of detection distance in high temperature	
Sensitivity	3 levels adjustable	

Ordering Information				
Туре	Model	Description		
Wireless PIR detector	DHI-ARD1233-W2	Wireless PIR detector		

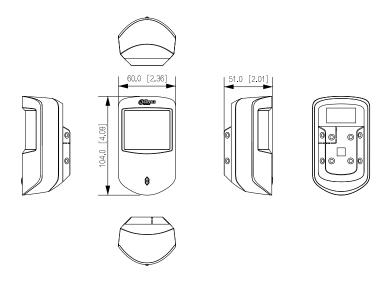
Application



Installation



Dimensions (mm[inch])



Rev 001.001

