

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	

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 × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97") (L × W × 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)	
Resolution	1 °C (33.8 °F)	
Specification		
Detection Mode	PIR	

Dual-element low-noise PIR sensor

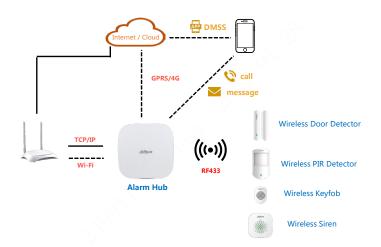
Sensor

ARD1 | DHI-ARD1233-W2

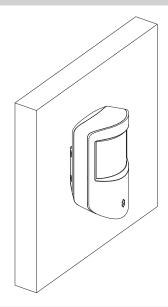
Detection Range	12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft)	
Detection Speed	0.3 m/s-3 m/s (0.98 ft/s-9.84 ft/s)	
Pet Alarm Level	≤ 18 kg (39.68 lb)	
Pet Immunity Level	2000 lx	
Two-way Digital Temperature Compensation	Yes, no attenuation of detection distance in high temperature	
Sensitivity	3 levels adjustable	

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

Application



Installation



Dimensions (mm[inch])

