

### 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

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)	

± 1 °C (± 33.8 °F)

Dual-element low-noise PIR sensor

1 °C (33.8 °F)

Measuring Precision

Resolution

Sensor

Specification

Detection Mode

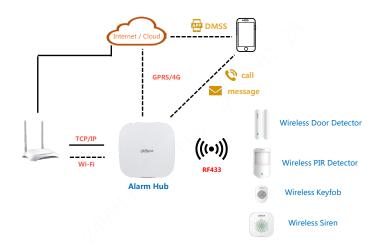
#### ARD1 | DHI-ARD1233-W2

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	

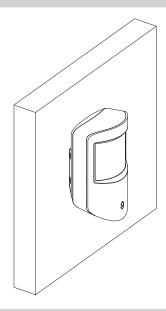
Ordering Information				
Туре	Model	Description		
Wireless PIR detector	DHI-ARD1233-W2	Wireless PIR detector		

## g Information

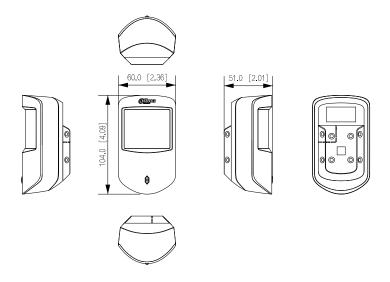
#### Application



#### Installation



#### Dimensions (mm[inch])



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