DHI-ARD2251E-W2(868)

Dahua Wireless External Triple-Tech Detector



- Support anti-masking detection.
- Support moving detection to prevent someone move or detach device.
- Support the installation of camera modules to form PIR-Cam to implement video verification.
- Pet immunity: up to 80 cm, 40kg.
- Support environment temperature monitoring.
- Supports two-way communication and frequency hopping to make communication with alarm hub stable and reliable.
- Features cloud update. You can also remotely update the device on the mobile app.
- Offers a dual backup system, and uses auto recovery when an update fails.

Series Overview

Wireless Triple-Tech Detector performs high precision detection using PIR, microwave detection technology, optical technology and intelligent algorithms. It also eliminates interference caused by small animals, the ambient temperature and changes in the light to ensure that the detector accurately recognizes when people move, even in complex environments. When combined with the camera module, its capabilities expand allowing you to both monitor your scene through videos and images, and check alarms in real time. You also receive alarm notifications when alarms are triggered, so that you can stay up to date on the situation of your site.

Technical Specification

Function

Indicator Light	1 × green alarm indicator
Button	1 × power switch; 1 × detection range adjustment switch
Remote Update	Cloud update
Low Battery Detection	Yes
Tamper	Tamper alarm
Moving detection	Yes

Technical

Detection Mode	PIR + Microwave
Sensitivity	PIR: 3 levels adjustable
Detection Range	Angle:90° Range:15 m (49.21 ft), the installation height is 1 m (3.28 ft)
Detection Speed	0.3 m/s–2 m/s
Microwave Frequency	24 G
Pet Immunity Level	<80 cm (2.62 ft), about 40 kg (88.19 lb)
White Light Resistance Level	10,000 lux
Anti-masking	Yes
Two-way Digital Temperature Compensation	Yes
Scenario	Outdoor, indoor
Operating Current	20 uA
Alarm Current	Without Camera: 26mA (Avg); 250 mA (Max) With Camera in Night: 380 mA (Avg); 1.5 A (Max)

Wireless

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

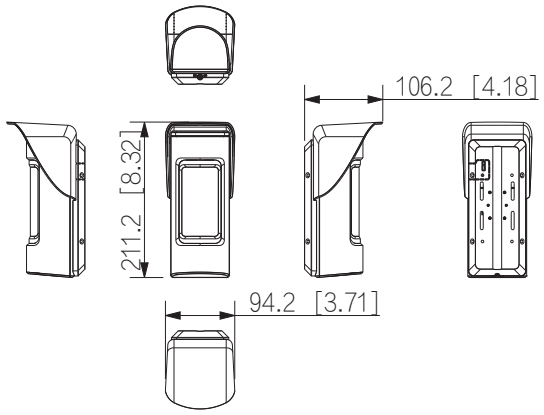
General

Power Supply	CR123A × 4
Battery Life	Without Camera: 5 years (triggers 10 alarms a day) With Camera: 3.5 years (triggers alarms twice a week)
Operating Temperature	–25 °C to +60 °C (–13 °F to +140 °F)
Operating Humidity	10%–90% (RH)
Product Dimensions	211 mm × 106 mm × 94 mm (8.31" × 4.17" × 3.7")
Installation Height	0.8 to 1.3 m
Net Weight	651 g (1.44 lb)

Wireless Triple-Tech Detector | DHI-ARD2251E-W2(868)

Gross Weight	890 g (1.96 lb)
Installation	Wall mount, pole mount
Casing Material	PC + GF
Protection	IP66
Certifications	CE EN 50131-1:2006+A1:2009+A2:2017+A3:2020 EN 50131-6:2017+A1:2021 EN 50131-5-3:2017 EN 50131-2-4:2020 Security Grade 2 Environmental Class IV
Anti-corrosion Level	Basic Protection
Storage Temperature	–25 °C to +60 °C (–13 °F to +140 °F)
Packaging Dimensions	251 mm × 116 mm × 119 mm (9.88" × 4.57" × 4.69")

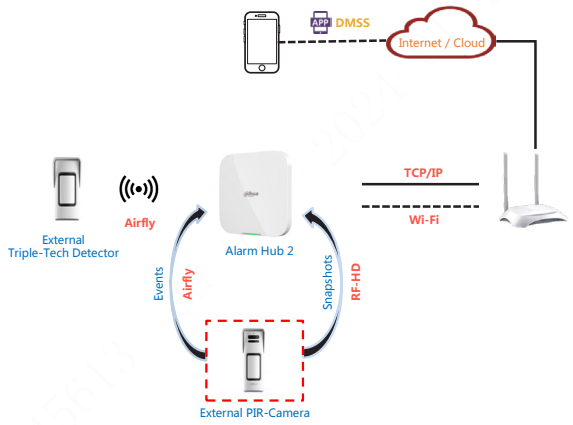
Dimensions (mm[inch])



Ordering Information

Type	Model	Description
Wireless Triple-Tech Detector	DHI-ARD2251E-W2(868)	Dahua Wireless External Triple-Tech Detector
Accessories	DHI-ARD1130-CAM	IR CAMERA MODULE
	ARA34E	Detector Bracket

Application



Accessories

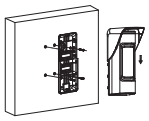
Optional:

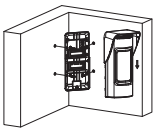


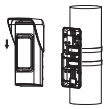
DHI-ARD1130-CAM
IR CAMERA MODULE



ARA34E
Detector Bracket







Rev 002.000 © 2024 Dahua. All rights reserved. Design and specifications are subject to change without notice.
The images, specifications and information mentioned in the document are only for reference, and might differ from the actual product.