

DHI-ARM320-W2(868)

Dahua Wireless Input Expander



System Overview

The Wireless Input Expander is a conversion device that connects third-party detectors to Dahua Wireless Hub. When the alarm of the third-party detector is triggered, the Expander sends the signal to the Hub through RF, and then the Hub reports it to platforms. Different alarm types can be configured on the DMSS app, depending on the types of connected detectors. The expander has a triaxial accelerometer in it to prevent the device from movement. An input channel is also provided to connect the tamper port of the third-party detectors. The Expander is powered by dry batteries, and can also provide power supply for detectors connected to it.

Technical Specification

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LED Indicator

Scenario

Alarm Input	2 (1 for alarm and 1 for anti-tampering)	
Auxiliary Power Output	3.3 V, up to 10 mA	
Function		
Button	1 × power button	
Remote Update	Cloud update	
Low Battery Detection	Yes	
Tamper	Yes	
Measuring Range (Temperature)	−10 °C to +55 °C (+14 °F to +131 °F) (indoor)	
Technical		
Sensor	Triaxial accelerometer	

1 × green alarm indicator

- · Six types of alarms: Intrusion, medical, fire, emergency, gas, and tamper.
- · Connects to external power supplies.
- · Triggers alarms when the device is moved.
- · Alarms go off when the device overheats.
- · Cloud update.

Operating Current

· The two-way wireless encrypted communication mechanism improves the security and stability of communication.

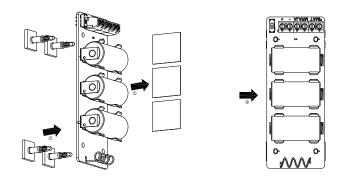
45 uA (with 1 min heartbeat, normally open mode,

charge not being provided for other devices and

· With the wireless frequency hopping mechanism, the device automatically hops to other available frequency bands when the original frequency band is being interfered with by other wireless radios, to ensure communication remains smooth.

Alarm Current Wireless Carrier Frequency 868.0 MHz–868.6 MHz Communication Mechanism Two-way Communication Distance Up to 1600 m (5249.34 ft) in an open space Encryption Mode AES128 Frequency Hopping Yes General Power Supply 3 × CR123A battery Battery Model CR123A Battery Life 5 years (4 years if the external input type is pulse) Power Consumption Max. 150 mW (without providing charge for other devices) Operating Temperature -10 °C to +55 °C (+14 °F to +131 °F) (indoor) Operating Humidity 10%—90% (RH) Product Dimensions 102 mm × 39 mm × 21.5 mm (4.02" × 1.54" × 0.85") Net Weight 77 g (0.17 lb) Gross Weight 135 g (0.30 lb) Installation Surface mount, or mount inside a third-party device Certifications CE Anti-corrosion Level Basic Protection Packaging Dimensions 95 mm × 43 mm × 139 mm (3.74" × 1.69" × 5.47")	Operating Current	device moved alarm not enabled)
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Installation



Dimensions (mm/inch)

