

DHI-ART-ARC3000H-03-GW2(868)

Dahua Wireless Alarm KIT



Series Overview

The Alarm Kit contains all the products required for a basic wireless alarm system, providing you and your assets with strong protection.

- Includes the following products: DHI-ARC3000H-GW2(868), DHI-ARD1233-W2(868), DHI-ARA24-W2(868) and DHI-ARD333-W2(868S)
- Supports 150 wireless peripherals(6 sirens, 64 wireless keyfobs, 4 alarm repeaters, 8 wireless keypads, 8 PIR-Cameras);
- Peripherals status display (signal strength, battery level, temperature, program version);
- Wired, Wi-Fi or GPRS network connection;
- Dual SIM and Single Standby, auto switching;
- Automatic network replenishment (ANR);
- Video linkage on App;
- SOS emergency call;
- Frequency hopping function and two-way communication technology ensure communication stability;
- Cloud update and automatic recovery from update failure.

Technical Specification

Port	
Wired Input	Expandable 64 channels
Wired Output	Expandable 64 channels
Wireless Peripheral	150 peripherals: Specifically, up to wireless 32 keyfobs up to 8 wireless keypads up to 6 wireless sirens up to 4 wireless repeaters up to 8 wireless indoor PIR-Cameras up to 4 Multi I/O Transmitters
Area	32 areas (rooms)
Network Mode	Hub: Ethernet, Wi-Fi and Cellular network (Supports installation of dual SIM cards. Only one card can be enabled at a time)
Network Port	Hub: 1 × RJ-45 10 M/100 M Ethernet port
Storage Battery	Hub: Built-in lithium battery

Video & Audio

Video Input	up to 4 onboard IPCs
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Function

Indicator Light	Hub: 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction) Keyfob: 1 × two-color status indicator (green: normal, red: abnormal) Door Detector: 1 × green alarm indicator PIR Detector: 1 × green alarm indicator
Button	Hub: 1 × reset, 1 × power, 1 × AP Keyfob: 4 (Home, Away, Disarm, and SOS) Door Detector: 1 × power button PIR Detector: 1 × power button
Buzzer	Hub: Built-in
SMS	Hub: Yes (up to 12 phone numbers)
Phone Call	Hub: Yes (up to 12 phone numbers)
Video Linkage	Hub: Yes
Offline Cache	Hub: Max. 50 entries (ANR)
Arm and Disarm	Hub: App; keyfob; schedule
Remote Update	All: Cloud update
Network Protocol	Hub: TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP
Low Battery Detection	All: Yes
Tamper	Hub: Yes Door Detector: Yes PIR Detector: Yes
User Management	Hub: Share function for App users

Technical

Sensor	Door Detector: Reed switch PIR Detector: Dual elements low-noise PIR sensor
Detection Mode	PIR Detector: PIR
Sensitivity	PIR Detector: 3 levels adjustable
Detection Range	PIR Detector: 12 m (39.37 ft) (90°) with installation height of 2.2 m (7.21 ft)
Detection Speed	PIR Detector: 0.3 m/s–3 m/s (0.98 ft/s–9.84 ft/s)

Movement Distance	Door Detector: < 40 mm (1.57")
Pet Immunity Level	PIR Detector: ≤ 18 kg (39.68 lb)
White Light Resistance Level	PIR Detector: 2000 lx
Two-way Digital Temperature Compensation	PIR Detector: Yes
Test Mode	Door Detector: Yes PIR Detector: Yes
Scenario	Door Detector: Non-metal doors
Alarm Current	Hub: 1.1 A (Max), 47 uA (Standby) Door Detector: 734.8 mA (Max), 23.9 uA (Standby) PIR Detector: 30 mA (Max), 15 uA (Standby) Keyfob: 33 mA (Max), 0.5 uA (Standby)

Wireless

Carrier Frequency	All: 868.0 MHz–868.6 MHz
Transmitter Power (EIRP)	All: Limit 25 mW
Communication Mechanism	All: Two-way
Communication Distance	Hub: Up to 2,000 m (6561.68 ft) in an open space. Keyfob: Up to 900 m (2952.76 ft) in an open space. Door Detector: Up to 1,400 m (4,593.18 ft) in an open space PIR Detector: Up to 1,600 m (5249.34 ft) in an open space.
Encryption Mode	All: AES128
Frequency Hopping	All: Yes

General

Power Supply	Hub: 12 V DC, 1.5 A (USA power adapter) Keyfob: CR2032 battery Door Detector: CR123A battery PIR Detector: CR123A battery
Power Supply Type	Type A
Battery Life	Hub: Storage battery standby for 12 Hours Keyfob: 5 years Door Detector: 5 years PIR Detector: 4 years
Low Battery Threshold	Hub: 2.7V Door Detector: 2.2V PIR Detector: 2.5V Keyfob: 1.8V
Battery Restore Threshold	Hub: 2.8V Door Detector: 2.6V PIR Detector: 2.7V Keyfob: 2.0V
Power Consumption	Keyfob: ≤85 mW Door Detector: ≤70 mW PIR Detector: ≤75 mW
Operating Temperature	Hub: −10 °C to +50 °C (+14 °F to +122 °F) Keyfob: −10 °C to +55 °C (+14 °F to +131 °F) Door Detector: −10 °C to +55 °C (+14 °F to +131 °F) PIR Detector: −10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	All: 10%–90% (RH)

Product Dimensions	Hub: 163.0 mm × 163.0 mm × 32.0 mm (6.42" × 6.42" × 1.26") (L × W × H) Keyfob: 60.0 mm × 39.5 mm × 15.0 mm (2.36" × 1.56" × 0.59") (L × W × H) Door Detector: 101.0 mm × 21.0 mm × 22.2 mm (3.98" × 0.83" × 0.87") (L × W × H) PIR Detector: 104.0 mm × 60.0 mm × 50.0 mm (4.09" × 2.36" × 1.97") (L × W × H)
Net Weight	Hub: 380 g (0.84 lb) Keyfob: 20 g (0.04 lb) Door Detector: 48.7 g (0.11 lb) PIR Detector: 100 g (0.22 lb)
Gross Weight	Hub: 0.8 kg (1.76 lb) Keyfob: 65 g (0.14 lb) Door Detector: 88 g (0.19 lb) PIR Detector: 170 g (0.37 lb)
Installation	Hub: Wall mount; Desktop Door Detector: Bracket mount PIR Detector: Wall mount
Casing Material	All: PC + ABS
Certifications	All: CE
Anti-corrosion Level	Basic Protection *The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection.
Storage Temperature	Hub: -10 °C to +50 °C (+14 °F to +122 °F) Keyfob: -10 °C to +55 °C (+14 °F to +131 °F) Door Detector: -10 °C to +55 °C (+14 °F to +131 °F) PIR Detector: -10 °C to +55 °C (+14 °F to +131 °F)
Storage Humidity	All: 10%–90% (RH)
Packaging Dimensions	Hub: 219.0 mm × 187.0 mm × 91.0 mm (8.62" × 7.36" × 3.58") (L × W × H) Keyfob: 135.0 mm × 98.5 mm × 27.8 mm (5.31" × 3.88" × 1.09") (L × W × H) Door Detector: 110.0 mm × 75.0 mm × 33.0 mm (3.61" × 2.46" × 1.08") (L × W × H) PIR Detector: 135.0 mm × 98.5 mm × 56.8 mm (5.31" × 3.88" × 2.24") (L × W × H)

Wi-Fi

Wi-Fi Standard	Hub:IEEE 802.11b/g/n
Wi-Fi Frequency Range	Hub:2400-2483.5 MHz
Wi-Fi Power Transmission	Hub:≤20 dBm@2400-2483.5 MHz

Cellular Network

Transmitter Power (EIRP)	Hub: 2G: Power class0: 30 dBm±3dB (GSM900) Power class5: 33 dBm±3dB (GSM1800)
Cellular Network Standard	Hub:GSM/WCDMA/LTE
Frequency Range	Hub: 2G : GSM: 850/900/1800/1900 MHz;

Ordering Information

Type	Model	Description
Alarm KIT	DHI-ART-ARC3000H-03-GW2(868)	Dahua Wireless Alarm KIT

Application

