**alhua** TECHNOLOGY

# DHI-ART-ARC3000H-03-W2(868)
Alarm KIT

· Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).

· Peripherals status display (signal strength, battery level, temperature, program version).

· 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.

## System Overview

An all new industrial design and advanced technological system, makes the new generation of wireless alarm products easier to install, look better, communicate more reliably and perform more stably. From the comfort of the mobile apps DMSS (for end users) and COS Pro (for installers), receive notifications in real-time, control and manage your devices, perform remote operations, and more.

## Scene

Mainly applied for villas, shops, apartments, etc.

## Technical Specification

### Input and Output

| | |
|---|---|
| Wireless Protection Zone | Hub: 150-channel wireless peripherals (6 sirens, 64 wireless keyfobs) |

### Port

| | |
|---|---|
| Buzzer | Hub: Built-in |
| Button | Hub: 1 × reset, 1 × power, 1 × AP<br>Keyfob: 4 (Home, Away, Disarm, and SOS)<br>Door Detector: 1 × power button<br>PIR Detector: 1 × power button |
| Indicator Light | Hub: 1 for multiple statuses (alarm, arming, disarming, networking, and malfunction)<br>Keyfob: 1 × two-color status indicator (green: normal, red: abnormal)<br>Door Detector: 1 × green alarm indicator<br>PIR Detector: 1 × green alarm indicator |
| Storage battery | Hub: Built-in lithium battery |
| Network Port | Hub: 1 × RJ-45 10 M/100 M Ethernet port |

### Function

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|---|---|
| Network Protocol | Hub: TCP/IP, including PPTP, L2TP, DHCP, UPNP, and NTP |
| Offline Cache | Hub: Max. 50 entries (ANR) |

| | |
|---|---|
| Power Failure Protection for Configured Parameters | Hub: Yes |
| Remote Update | All: Cloud update |
| Video Linkage | Hub: Yes |
| Low Battery Alarm | All: Yes |
| Tamper Alarm | Hub: Yes<br>Door Detector: Yes<br>PIR Detector: Yes |
| User Management | Hub: Share function for App users |
| Search | Hub: Searching push messages, device status, and program version. Detecting signal strength.<br>Keyfob: Signal strength detection<br>Door Detector: Signal strength detection<br>PIR Detector: Signal strength detection |
| Arm and Disarm | Hub: App; keyfob; schedule |

### Wireless

| | |
|---|---|
| Carrier Frequency | All: 868.0 MHz–868.6 MHz |
| Communication Distance | Hub: Up to 2,000 m (6,561.68 ft) in an open space<br>Keyfob: Up to 900 m (2,952.76 ft) in an open space<br>Door Detector: Up to 1,200 m (3,937.01 ft) in an open space<br>PIR Detector: Up to 1,600 m (5,249.34 ft) in an open space |
| Communication Mechanism | All: Two-way |
| Encryption Mode | All: AES128 |
| Frequency Hopping | All: Yes |
| Wi-Fi | Hub: 2.4G/5G |

### Peripherals

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|---|---|
| External Zone | Door Detector: 1-channel dry contact input |

## Temperature

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|---|---|
| Measuring Range (Temperature) | "Door Detector: −15 °C to +65 °C (+18.8 °F to +149 °F) (indoor) PIR Detector: −15 °C to +65 °C (+18.8 °F to +149 °F) (indoor)" |
| Measuring Precision (Temperature) | Door Detector: ± 1 °C (± 33.8 °F) PIR Detector: ± 1 °C (± 33.8 °F) |
| Resolution (Temperature) | Door Detector: 1 °C (33.8 °F) PIR Detector: 1 °C (33.8 °F) |

## Specification

| | |
|---|---|
| Sensor | Door Detector: Reed switch PIR Detector: Dual elements low-noise PIR sensor |
| Test Mode | Door Detector: Yes PIR Detector: Yes |
| Scenario | Door Detector: Non-metal doors |
| Movement Distance | Door Detector: < 40 mm (1.57") |
| Detection Mode | PIR Detector: PIR |
| Detection Range | PIR Detector: 12 m (39.37 ft) (90°) with installtion 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) |
| Pet Immunity Level | PIR Detector: ≤ 18 kg (39.68 lb) |
| White Light Resistance Level | PIR Detector: 6500 lx |
| Two-way Digital Temperature Compensation | PIR Detector: Yes, no attenuation of detection distance in high temperature |
| Sensitivity | PIR Detector: 3 levels adjustable |

## General

| | |
|---|---|
| Power Supply | Hub: 12 V DC, 1.5 A (Europe, UK and USA power adapters are optional) Keyfob: CR2032 battery Door Detector: CR123A battery PIR Detector: CR123A battery |
| Battery Life | Hub: Storage battery standby for 12 Hours Keyfob: 5 years Door Detector: 5 years PIR Detector: 4 years |
| Power Consumption | Keyfob: Max. 100 mW Door Detector: Max. 125 mW PIR Detector: Max. 120 mW |
| Operating environment | Hub: −10 °C to +50 °C (+14 °F to +122 °F) (indoor) Keyfob: −10 °C to +55 °C (+14 °F to +131 °F) (indoor) Door Detector: −10 °C to +55 °C (+14 °F to +131 °F) (indoor) PIR Detector: −10 °C to +55 °C (+14 °F to +131 °F) (indoor) |
| 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: 100.2 mm × 20.8 mm × 20.3 mm (3.94"" × 0.82"" × 0.80"") (L × W × H) PIR Detector: 104.0 mm × 60.0 mm × 50.0 mm (4.09"" × 2.36"" × 1.97"") (L × W × H) |

| | |
|---|---|
| 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: 135.0 mm × 98.5 mm × 27.8 mm (5.31"" × 3.88"" × 1.09"") (L × W × H) PIR Detector: 135.0 mm × 98.5 mm × 56.8 mm (5.31"" × 3.88"" × 2.24"") (L × W × H) |
| Installation | Hub: Wall mount; Desktop Door Detector: Bracket mount PIR Detector: Wall mount |
| Net Weight | Hub: 0.38 Kg (0.84 lb) Keyfob: 20 g (0.04 lb) Door Detector: 70 g (0.15 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: 115 g (0.25 lb) PIR Detector: 170 g (0.37 lb) |
| Casing | All: PC + ABS |
| Certifications | All: CE |

## Ordering Information

| Type | Model | Description |
|---|---|---|
| Alarm KIT | DHI-ART-ARC3000H-03-W2(868) | Alarm hub (Wi-Fi;Europe power adapter by default; UK and USA power adapters are optional),wireless keyfob,wireless door detector,wireless PIR detector. |

## Application