DHI-ART-ARC3000H-03-FW2

Alarm KIT





- Supports 150 wireless peripherals (6 sirens, 64 wireless keyfobs).
- Peripherals status display (signal strength, battery level, temperature, program version).
- Wired, Wi-Fi, 4G, 3G or GPRS network connection.
- Dual SIM and Single Standby, auto switching.
- Automatic network replenishment (ANR).
- Video linkage on App.
- SOS emergency alarm.
- 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 DoLynk Care (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 Keyfob: 4 (Home, Away, Disarm, and SOS) Door Detector: 1 × power button PIR Detector: 1 × power button
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
Storage battery	Hub: Built-in lithium battery
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

Function

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
SMS	Hub: Yes (up to 5 phone numbers)
Phone Call	Hub: Yes (up to 5 phone numbers)
Low Battery Alarm	All: Yes
Tamper Alarm	Hub: Yes Door Detector: Yes PIR Detector: Yes
User Management	Hub: Share function for App users
Search	Hub: Searching push messages, device status, and program version. Detecting signal strength. Keyfob: Signal strength detection Door Detector: Signal strength detection PIR Detector: Signal strength detection
Arm and Disarm	Hub: App; keyfob; schedule

Wireless

Carrier Frequency	All: 433.1 MHz–434.6 MHz
Transmitter Power (EIRP)	All: Limit 10 mW
Communication Distance	Hub: Up to 1,200 m (3,937.01 ft) in an open space Keyfob: Up to 500 m (1,640.42 ft) in an open space Door Detector: Up to 1,000 m (3,280.84 ft) in an open space PIR Detector: Up to 1,200 m (3,937.01 ft) in an open space
Communication Mechanism	All: Two-way
Encryption Mode	All: AES128
Frequency Hopping	All: Yes

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

Cellular Network Standard	Hub:GSM/WCDMA/LTE
Frequency Range	Hub: EU: 4G: FDD-LTE: B1/B3/B7/B8/B20; TDD-LTE: B38/B40/B41; 3G: WCDMA: B1/B5/B8; 2G: GSM: 1,800/900 MHz; LM: 4G: FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B28; TDD-LTE: B40; 3G: WCDMA: B1/B2/B5/B8; 2G: GSM: 850/900/1800/1900 MHz
Transmitter Power (EIRP)	Hub: EU: 4G: Power class3: 23 dBm±2 dB 3G: Power class3: 24 dBm+1/-3 dB 2G: Power class0: 30 dBm±3 dB (GSM900) Power class5: 33 dBm±3 dB (GSM1800) Hub: LM: 4G: Power class3: 23 dBm±2 dB 3G: Power class3: 24 dBm+1/-3 dB 2G: Power class0: 30 dBm±3 dB (GSM850/900) Power class5: 33 dBm±3 dB (GSM1800/1900)

Peripherals

External Zone	Door Detector: 1-channel dry contact input

Temperature

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

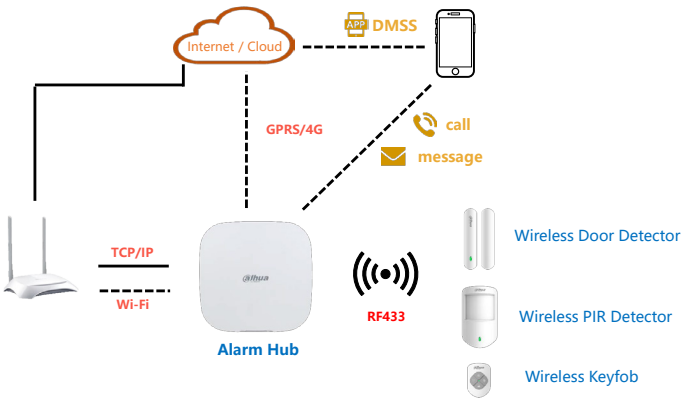
General

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. 85 mW Door Detector: Max. 70 mW PIR Detector: Max. 75 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-FW2	Alarm hub (4G;Europe power adapter by default; UK and USA power adapters are optional),wireless keyfob,wireless door detector,wireless PIR detector.

Application



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