DHI-ART-ARC3800H-03-FW2

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.

Scene

Mainly applied for villas, shops, apartments, etc.

Technical Specification

Port

Wireless Zone	Hub:150 channels wireless peripherals (6 sirens, 64 PIR cameras(only 8 indoor PIR cameras), 64 keyfobs, 8 keypads and 4 repeaters)
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 Mbps/100 Mbps Ethernet port.
Storage Battery	Hub: One built-in 4,750 mAh rechargeable lithium battery.

Video & Audio

Video Input	Hub: 8-ch IPC, which only supports the upload of alarm videos.
Audio Output	Hub: 1 channel
Volume Control	Hub: Yes
Voice Broadcast	Hub: Telephone and local speaker

- Supports alarm video verification through integration of the IPC with the hub.
- Images can be remotely and quickly transferred from the PIR-Cam to the device.
- Features voice call alarm.
- Supports wired and AP network configuration methods, which makes it easier to add the hub to apps and to switch to the hub's network.
- Supports multi-network redundancy for Ethernet, Wi-Fi and 4G networks to ensure the network remains stable and reliable.
- Supports two-way communication and frequency hopping to make communication with wireless peripherals stable and reliable.
- Features cloud update. You can also remotely update the device and wireless peripherals on the mobile app.
- Offers a dual backup system, and uses auto recovery when an update fails.

Function

Indicator Light	Hub: The indicator indicates the status of alarms, arming and disarming, the network connection and device failure. Keyfob: 1 dual-color status indicator (Green means normal and red means abnormal) Door Detector: 1 green alarm indicator PIR Detector: 1 green alarm indicator
Button	Hub: Includes a reset button, voltage button and AP switch button. Keyfob: 4 (Home, Away, Disarm, and SOS) Door Detector: 1 power switch PIR Detector: 1 power switch
SMS	Hub: Yes (up to 5 phone numbers)
Phone Call	Hub: Yes (up to 5 phone numbers)
Video Linkage	Hub: Yes
Offline Cache	Hub: Stores up to 50 alarm messages.
Arm and Disarm	Hub: App, Keypad, remote control, card, scheduled arming and disarming.
Remote Update	All: Cloud update
Low Battery Detection	All: Yes
Tamper	Hub: Yes Door Detector: Yes PIR Detector: Yes

User Management	Hub: 33 app users (31 general users, 1 admin user and 1 installer) and 32 keypad users
Logs	Hub: Up to 5, 000 entries
Measuring Range (Temperature)	Door Detector: –15 °C to +65 °C (+5 °F to +149 °F) (indoor) PIR Detector: –15 °C to +65 °C (+5°F to +149 °F) (indoor)
Transmission Protocol	Hub: SIA, SoftGuard

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: 6500 lx
Two-way Digital Temperature Compensation	PIR Detector: Yes, no attenuation of detection distance in high temperature.
Scenario	Door Detector: Non-metal doors

Wireless

Carrier Frequency	All: 433.1 MHz–434.6 MHz
Transmitter Power (EIRP)	All: Limit 10 mW
Communication Mechanism	All: Two-way
Communication Distance	Hub: Up to 1,400 m (4593.18 ft) in an open space. Keyfob: Up to 500 m (1640.42 ft) in an open space. Door Detector: Up to 1,000 m (3280.84 ft) in an open space. PIR Detector: Up to 1,200 m (3937.01 ft) in an open space.
Encryption Mode	All: AES128
Frequency Hopping	All: Yes

General

Language	Up to 7 languages are supported for SMS: English, Spanish (Latin America), French, Italian, Arabic, Turkish, and Danish. It is set as English by default. The alarm voice message feature and local speaker support English and Italian.
Power Supply	Hub: 100-240 VAC, 50/60 HZ Keyfob: CR2032 battery Door Detector: CR123A battery PIR Detector: CR123A battery
Standby Time	Hub:The battery lasts up to 12 hours when it is fully charged and is within the following conditions: It is connected to the Wi-Fi, its ID is connected to the alarm receiving center, the heartbeat interval is 1,800 seconds, and it is connected to 8 peripherals and the cloud. Keyfob: 3 years Door Detector: 4 years PIR Detector: 4 years
Power Consumption	Hub: 220 VAC 80 mA(Max) 220 VAC 40 mA(Standby) Keyfob: 40 mA(Max), 0.5 uA (Standby) Door Detector: 42 mA(Max), 29 uA (Standby) PIR Detector: 44 mA(Max), 34 uA (Standby)
Operating Temperature	All: –10 °C to +55 °C (+14 °F to +131 °F) (indoor)
Operating Humidity	All: 10%–90% (RH)
Product Dimensions	Hub: 174.8 mm × 174.8 mm × 38.3 mm (6.88” × 6.88” × 1.51”) (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)
Net Weight	Hub: 510 g (1.12 lb) Keyfob: 20 g (0.04 lb) Door Detector: 70 g (0.15 lb) PIR Detector: 100 g (0.22 lb)
Gross Weight	Kit: 1.46 kg (3.22 lb)
Installation	Hub: Wall mount; Desktop mount Door Detector: Bracket mount PIR Detector: Wall mount
Casing Material	All: PC + ABS
Certifications	All: CE
Anti-corrosion Level	Basic Protection
Storage Temperature	All: –10 °C to +55 °C (+14 °F to +131 °F)
Storage Humidity	All: 10%–90% (RH)
Packaging Dimensions	Kit: 270 mm × 218 mm × 122 mm (10.63" × 8.58" × 4.80") (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

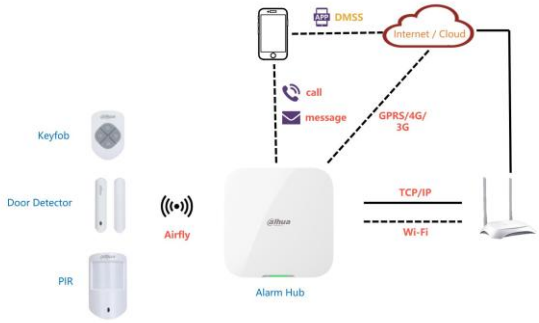
Transmitter Power (EIRP)	Hub: EU: 4G: Power class3: 23 dBm±2dB 3G: Power class3: 24 dBm+1/-3dB 2G: Power class0: 30 dBm±3dB（GSM900） Power class5: 33 dBm±3dB（GSM1800） Hub: LM： 4G: Power class3: 23 dBm±2dB 3G: Power class3: 24 dBm+1/-3dB 2G: Power class0: 30 dBm±3dB（GSM850/900） Power class5: 33 dBm±3dB（GSM1800/1900）
Cellular Network Standard	Hub:GSM/WCDMA/LTE

Frequency Range	Hub: EU: 4G：FDD-LTE: B1/B3/B7/B8/B20/B28A; TDD-LTE: B38/B40/B41; 3G：WCDMA: B1/B8; 2G：GSM: 1,800/900MHz; Hub: LM: 4G：FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B28; TDD-LTE: B40; 3G：WCDMA: B1/B2/B4/B5/B8; 2G：GSM: 850/900/1800/1900 MHz;

Ordering Information

Type	Model	Description
Alarm KIT	DHI-ART-ARC3800H-03-FW2	Dahua Wireless Alarm KIT

Application



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