DHI-ART-ARC3800H-03-W2

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 and Wi-Fi
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: 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 and Wi-Fi 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
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	Hub: English
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: Max. 12 W Keyfob: Max. 100 mW Door Detector: Max. 125 mW PIR Detector: Max. 120 mW
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)

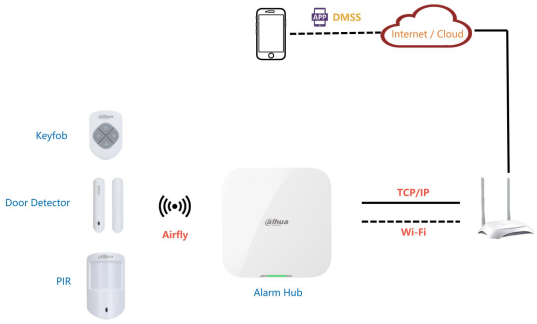
Wi-Fi

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

Ordering Information

Type	Model	Description
Alarm KIT	DHI-ART-ARC3800H-03-W2	Dahua Wireless Alarm KIT

Application



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