

# DHI-ART-ARC3800H-03-FW2(868)

Dahua Wireless Alarm KIT (Black)



## Series Overview

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

## Technical Specification

### Port

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| 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

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| 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                               |

### Function

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| Indicator Light | Hub: The indicator indicates the status of alarms, arming and disarming, the network connection and device failure.<br>Keyfob: 1 dual-color status indicator (Green means normal and red means abnormal)<br>Door Detector: 1 green alarm indicator<br>PIR Detector: 1 green alarm indicator |
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- 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.

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| Button                        | Hub: Includes a reset button, voltage button and AP switch button.<br>Keyfob: 4 (Home, Away, Disarm, and SOS)<br>Door Detector: 1 power switch<br>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<br>Door Detector: Yes<br>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)<br>PIR Detector: -15 °C to +65 °C (+5 °F to +149 °F) (indoor)  |
| Transmission Protocol         | Hub: SIA, SoftGuard  |

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| Technical                                |   |
| Sensor                                   | Door Detector: Reed switch<br>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, no attenuation of detection distance in high temperature.    |
| Scenario                                 | Door Detector: Non-metal doors  |

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| 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.<br>Keyfob: Up to 900 m (2952.76 ft) in an open space.<br>Door Detector: Up to 1,200 m (3937.01 ft) in an open space.<br>PIR Detector: Up to 1,600 m (5249.34 ft) in an open space. |
| Encryption Mode          | All: AES128  |
| Frequency Hopping        | All: Yes   |

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| General               |   |
| Language              | Hub: 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<br>Keyfob: CR2032 battery<br>Door Detector: CR123A battery<br>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.<br>Keyfob: 3 years<br>Door Detector: 4 years<br>PIR Detector: 4 years |
| Power Consumption     | Hub: 220 VAC 80 mA(Max) 220 VAC 40 mA(Standby)<br>Keyfob: 40 mA(Max), 0.5 uA (Standby)<br>Door Detector: 42 mA(Max), 29 uA (Standby)<br>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)   |

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| Product Dimensions   | Hub: 174.8 mm × 174.8 mm × 38.3 mm (6.88" × 6.88" × 1.51") (L × W × H)<br>Keyfob: 60.0 mm × 39.5 mm × 15.0 mm (2.36" × 1.56" × 0.59") (L × W × H)<br>Door Detector: 100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80") (L × W × H)<br>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)<br>Keyfob: 20 g (0.04 lb)<br>Door Detector: 70 g (0.15 lb)<br>PIR Detector: 100 g (0.22 lb)   |
| Gross Weight         | Kit: 1.46 kg (3.22 lb)   |
| Installation         | Hub: Wall mount; Desktop mount<br>Door Detector: Bracket mount<br>PIR Detector: Wall mount   |
| Casing Material      | All: PC + ABS  |
| Certifications       | Hub:<br>CE<br>EN 50131-1:2006+A1:2009+A2:2017+A3:2020<br>EN 50131-3:2009<br>EN 50131-6:2017+A1:2021<br>EN 50131-5-3:2017<br>EN 50131-10: 2014<br>EN 50136-2: 2013+A1:2023<br>Security Grade 2<br>Environmental Class II<br>ATS category: SP2/DP2<br>Keyfob:<br>CE<br>EN 50131-1:2006+A1:2009+A2:2017+A3:2020<br>EN 50131-6:2017<br>EN 50131-5-3:2017<br>EN 50131-3:2009<br>Security Grade 2<br>Environmental Class II<br>Door Detector:<br>CE<br>EN 50131-1:2006+A1:2009+A2:2017+A3:2020<br>EN 50131-6:2017<br>EN 50131-5-3:2017<br>EN 50131-2-6:2008<br>Security Grade 2<br>Environmental Class II<br>PIR Detector:<br>CE<br>EN 50131-1:2006+A1:2009+A2:2017+A3:2020<br>EN 50131-2-2:2017<br>EN 50131-6:2017<br>EN 50131-5-3:2017<br>Security Grade 2<br>Environmental Class II |
| 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)   |

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| 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

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| Transmitter Power (EIRP)  | Hub:<br>4G: Power class3: 23 dBm±2dB<br>3G: Power class3: 24 dBm+1/-3dB<br>2G: Power class0: 30 dBm±3dB (GSM900)<br>Power class5: 33 dBm±3dB (GSM1800) |
| Cellular Network Standard | Hub:GSM/WCDMA/LTE  |
| Frequency Range           | Hub:<br>EU:<br>4G: FDD-LTE: B1/B3/B7/B8/B20/B28A; TDD-LTE: B38/B40/B41;<br>3G: WCDMA: B1/B8;<br>2G: GSM: 1,800/900MHz;                                 |

Ordering Information

| Type      | Model                        | Description                      |
|-----------|------------------------------|----------------------------------|
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Application

