

DHI-ART-ARC3800H-03-FW2-DC

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

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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 |

- 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.(ARD1731 and ARD2251E-W2(V) need to be purchased separately)
- Features voice call alarm.(SIM card is needed)
- 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

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| 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 |

Alarm Kit | DHI-ART-ARC3800H-03-FW2-DC

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| 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

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| 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

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| 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

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| Language | English |
| Power Supply | Hub: 6-24 VDC 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 |

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| 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,RCM |
| 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

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| 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: 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) Hub: AU: 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) |
| Cellular Network Standard | Hub: GSM/WCDMA/LTE |
| Frequency Range | 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; Hub: AU: 4G: FDD-LTE: B1/B3/B7/B8/B20/B28A; TDD-LTE: B38/B40/B41; 3G: WCDMA: B1/B8; 2G: GSM: 1,800/900MHz; |

Alarm Kit | DHI-ART-ARC3800H-03-FW2-DC

| Type | Model | Description |
|-----------|----------------------------|---|
| Alarm KIT | DHI-ART-ARC3800H-03-FW2-DC | 1*DHI-ARC3800H-FW2 1*DHI-ARD1233-W2 1*DHI-ARD323-W2 1*DHI-ARA24-W2 |

Application

