

DHI-ARC3800H-W2(868)

Dahua Wireless Alarm Hub 2



Series Overview

The Alarm Hub manages the wireless alarm devices in your system to alert you when doors are broken into, windows are opened, glass breaks, fires break out and water leaks. If an intruder breaks in, the hub notifies the alarm receiving center and the mobile app (DMSS or DoLynk Care), and sends videos from the PIR Camera and IPC so that you can stay up to date on events, without the hassle of personally monitoring your scene.

Technical Specification		
Port		
Wireless Zone	150 channels wireless peripherals (6 sirens, 64 PIR cameras(only 8 indoor PIR cameras), 64 keyfobs, 8 keypads and 4 repeaters)	
Network Mode	Ethernet and Wi-Fi	
Network Port	1 RJ-45, 10 Mbps/100 Mbps Ethernet port.	
Storage Battery	One built-in 4,750 mah rechargeable lithium battery.	
Video & Audio		
Video Input	8-ch IPC, which only supports the upload of alarm videos.	
Audio Output	1 channel	
Volume Control	Yes	
Voice Broadcast	Local speaker	
Function		
Indicator Light	The indicator indicates the status of alarms, arming and disarming, the network connection and device failure.	
Button	Includes a reset button, voltage button and AP switch button.	
Video Linkage	Yes	

- 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.
- 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.

Offline Cache	Stores up to 50 alarm messages.	
Arm and Disarm	App, keyboard, remote control, card, scheduled arming and disarming.	
Remote Update	Cloud update	
Low Battery Detection	Yes	
Tamper	Yes	
User Management	33 app users (31 general users, 1 admin user and 1 installer) and 32 keypad users	
Logs	Up to 5, 000 entries	
Transmission Protocol	SIA, SoftGuard	
Wireless		
Carrier Frequency	868.0–868.6 MHz	
Transmitter Power (EIRP)	Limit 25 mW	
Communication Mechanism	Two-way	
Communication Distance	Up to 2,000 m (6,561.68 ft) in an open space.	
Encryption Mode	AES128	
Frequency Hopping	Yes	

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General

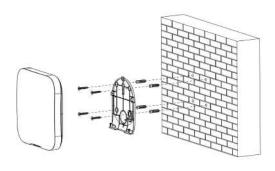
General		
Language	English	
Power Supply	100–240 VAC, 50/60 Hz	
Standby Time	The battery lasts up to 12 hours when it is fully charged and is within the following conditions: It is connected to the Wi-Fi, its ID is connected to the alarm receiving center, the heartbeat interval is 1,800 seconds, and it is connected to 8 peripherals and the cloud.	
Power Consumption	≤12 W	
Operating Temperature	When battery is not charging: -10 °C to +55 °C (+14 °F to +131 °F) When battery is charging : 0 °C to +45 °C (+32°F to +113 °F)	
Operating Humidity	10%-90% (RH)	
Product Dimensions	174.8 mm x 174.8 mm x 38.3 mm (6.88" x 6.88" x 1.51") (L x W x H)	
Net Weight	510 g (1.12 lb)	
Gross Weight	860 g (1.90 lb)	
Installation	Supports wall mount and desktop mount installation.	
Casing Material	PC + ABS	
Certifications	CE	
Anti-corrosion Level	Basic Protection	
Storage Temperature	-10 °C to +55 °C (+14 °F to +131 °F)	
Storage Humidity	10%-90% (RH)	
Packaging Dimensions	254 mm × 211 mm × 61 mm (10.00" × 8.31" × 2.40") (L × W × H), standalone in the inner box 524 mm × 508 mm × 442 mm (20.63" × 20.00" × 17.40") (L × W × H), protective case	
Wi-Fi		
Wi-Fi Standard	IEEE 802.11b/g/n	
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Wi-Fi Standard	IEEE 802.11b/g/n
Wi-Fi Frequency Range	2400-2483.5 MHz
Wi-Fi Power Transmission	≤20 dBm@2400-2483.5 MHz

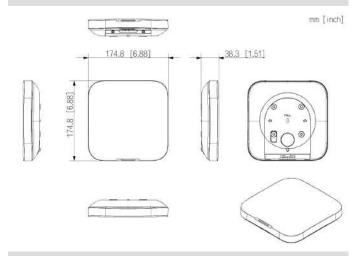
Ordering Information

Туре	Model	Description
Alarm Hub	DHI-ARC3800H-W2(868)	Dahua Wireless Alarm Hub 2

Installation



Dimensions (mm[inch])



Application

