Product Family

Alarm Panel


Hub 1


Hub 2

Detector

Motion Detector


PIR


Dual-Tech PIR


PIR-Camera


Outdoor Curtain PIR


Outdoor Tri-Tech PIR


Outdoor PIR-Camera

Magnetic Contact


Door Detector 2


Door Detector 2 Plus

Environmental Detector


Carbon Monoxide


Glass Break


Water Leak


Water Leak

Accessary

Siren


Outdoor Siren


Outdoor Siren 2/Pro


Indoor Siren


Intercom Siren


Intercom Speaker

Range Expansion


Repeater


Repeater Pro

Automation Control


Dual-ch Relay


Relay


Wall Switch


Smart Plug (Type F)


Smart Plug (Type B)

Remote Control & Panic Button


LED Keypad


LCD Keypad


Keyfob


Panic Button

Input/Output Expanssion


Transmitter


Serial Converter


I/O Expander


Output Expander


Multiple I/O Transmitter

Software

DMSS for End User

Dolynk for Installers and ARCs

Converter for ARC

*Design and specifications are subject to change without notice.

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alhua TECHNOLOGY | AirShield

Protected by Professionals



AirShield Wireless Alarm

Integrated Intelligent Protection, Redefined

- Unified System Integration
- Always-on Intelligence with Cloud-Service
- Video Verified Accuracy
- One Connected Ecosystem

Hub

Name	Main Model	Radio Frequency Series	Image	Network Mode	Device Compatibility						Audio and video functionality			
					Wireless Peripherals	Wireless Repeater	Wireless PIR-Cam	Wireless Intercom Siren	IPC	NVR	IPC Alarm Recording	Alarm Video Cache	Call Alarm	Voice Prompt
Hub 1	ARC3000H-W2	433/868/915		Ethernet, Wi-Fi	150	4	8 (Supports 2.4G only)	x	4	x	Save in the IPC SD card.	2 PIR-Cam alarm videos	Both the 2G and 4G Hub 1 support call alarm.	x
	ARC3000H-GW2	433/868/915		Ethernet, Wi-Fi, 2G										
	ARC3000H-FW2	433/868/915		Ethernet, Wi-Fi, 4G										
Hub 2	ARC3800H-W2	433/868/915		Ethernet, Wi-Fi		6	64 (Supports both 2.4G and Sub-G)	4	8	4	Save in the Hub's memory	10 PIR-Cam alarm videos, and 10 IPC alarm videos	The 4G Hub 2 call alarm supports sending detailed voice messages.	✓
	ARC3800H-FW2	433/868/915		Ethernet, Wi-Fi, 4G										

Motion Detector

Name	Main Model	Radio Frequency Series	Image	Device Compatibility	Installation Method	Application Scenarios	Detection Range	Adjustable Detection Range	Image Transmission	Detection Technology	Anti-masking	Movement Detection	Pet Immunity	Cloud Update
PIR	ARD1233-W2	433/868/915		Hub 1 Hub 2	Wall-mounted, 2.2m-2.8m	Indoor Open Area	12m, 90°	x	x	Infrared	x	x	≤ 18 kg	✓
Dual-tech PIR	ARD2231-W2	433/868/915		Hub 1 Hub 2	Wall-mounted, 2.2m-2.8m	Indoor Open Area	12m, 90°	x	x	Infrared + Microwave	x	x	≤ 18 kg, < 50 cm	✓
PIR-Cam	ARD1731-W2	433/868/915		Hub 1 Hub 2	Wall-mounted, 2.2m-2.8m	Indoor Open Area	12m, 86°	x	1600*1200 at 2.4GHz 640*480 at Sub-GHz	Infrared	x	x	≤ 18kg	✓
External Triple-tech PIR	ARD2251E-W2	433/868		Hub 2	Wall-mounted, 0.8m-1.2m	Outdoor Open Area	15m, 90°	✓	x	Dual Infrared + Microwave + Acceleration (Movement Detection) + Active Infrared (Anti-masking)	✓	P	≤ 40kg, < 80cm	✓
External PIR-Cam	ARD2251E-W2(V)	433/868		Hub 2	Wall-mounted, 0.8m-1.2m	Outdoor Open Area	15m, 90°	✓	1280*960 at Sub-GHz		✓	P	≤ 40kg, < 80cm	✓
External Curtain PIR	ARD2631E-W2	433/868/915		Hub 1 Hub 2	Wall-mounted Low mounting: 0.8 to 1.3 m High mounting: 2 to 2.4 m	Outdoor, Entrances and Exits	12 m, 8°	✓	x		✓	P	High Installation: ≤ 18 kg, <50 cm Low Installation: < 80 cm	✓

Door/Window Detector

Name	Main Model	Radio Frequency Series	Image	Device Compatibility	Installation Method	Application Scenarios	Movement Distance	Opening Detection	Shock Detection	Tilt Detection	Over-temperature Alarm	Doorbell Function	Wired Input	Cloud Update
Door Detector 2	ARD333-W2	433/868/915		Hub 1 Hub 2	Backplate, Adhesive	Door Entrance, Window	< 40mm	✓	✓	x	✓	✓	1 Channel	✓
Door Detector Plus	ARD324-W2	433/868		Hub 1 Hub 2	Backplate, Adhesive	Door Entrance, Window	< 40mm	✓	✓	✓	✓	✓	1 Channel	✓
Door Detector Plus 2	ARD334-W2	433/868/915		Hub 1 Hub 2	Backplate, Adhesive	Door Entrance, Window	< 40mm	✓	✓	✓	✓	✓	1 Channel	✓

Repeater

Name	Main Model	Radio Frequency Series	Image	Device Compatibility		Installation Method	Application Scenarios	Power Supply	Wireless Communication Range	Maximal connection number per hub	Maximal Connected Wireless Peripherals	Communication Method with Hub	Audio/Video Transmission	Cloud Update
				Hub	Wireless Peripherals									
Repeater	ARA43-W2	433/868		Hub 1 Hub 2	All wireless peripherals except for repeaters, PIR-Cams, and intercom sirens.	Wall mount; Desktop	Extending communication range	12V DC Power Supply; Rechargeable Lithium Battery ;	**Airfly:** 1000m with 433MHz, 1600m with 868MHz	Hub 1: 4 Hub 2: 6	128	Radio Frequency	x	✓
Repeater Pro	ARA46-N-W2	433/868		Hub 2	All wireless peripherals except repeaters.	Wall mount; Desktop	< 40mm	12V DC Power Supply; Rechargeable Lithium Battery ; DC power supply (Combined with PSU ARA62-V2)	**Airfly:** 1600m with 433MHz, 2000m with 868MHz **RF-HD:** 1600m in normal speed with 868MHz (1200m with 433MHz), 300m in high speed with 2.4GHz	6	128	Radio Frequency, Wi-Fi, Ethernet	✓	✓

Automation Control

Name	Main Model	Radio Frequency Series	Image	Device Compatibility	Installation Method	Application Scenarios	Power Supply	Load Capacity	High-power Device Access	Power Detection	Overload Detection	Over-temperature Detection	Control Method	Cloud Update
Relay	ARM7011-W2	433/868		Hub 1 Hub 2	Wall mount	Control low-voltage devices, such as wired sirens and spotlights.	7-24 VDC	0-36 VDC 5A	x	x	✓	✓	APP	✓
Wall Switch	ARM7012-W2	433/868		Hub 1 Hub 2	Wall mount	Control high-voltage electrical devices, such as wired high-power alarm lights and alarm sirens.	100-240 VAC	100-240 VAC 13A	✓	✓	✓	✓	APP	✓
Smart Plug	ICS1-W2 ICS2-W2	433/868		Hub 1 Hub 2	With power strip	Plug and play, no wiring required, controls high-voltage devices	100-240 VAC	100-240 VAC 16A	✓	✓	✓	✓	APP	✓
Dual-channel Relay	ARM7022-W2	433/868/915		Hub 1 Hub 2	Bracket mount, adhesive mount, 86 junction box mount, 120 junction box mount	Control low-voltage or high-voltage devices, specifically for roller shutters.	100-240 VAC	100-240 VAC/10 A(total 16 A), 0-24 VDC±10%/10 A(total 16 A)	✓	✓	x	x	APP, External Switch	✓