

House Solution

Overview

As more and more people choose to live in house, while they can enjoy the advantages of a spacious living area, they also face the challenge of balancing house security with whole home intelligence. House residents place a greater emphasis on privacy and independence, thus imposing higher demands on intrusion security.

Challenge1: Limited coverage



House scenarios are spacious, with diverse and complex housing structures, and common wireless transmission products often face limitations in coverage and signal strength. Therefore, wireless transmission distance and stability become an important challenge in this scenario.

Challenge2: Plagued by false alarm



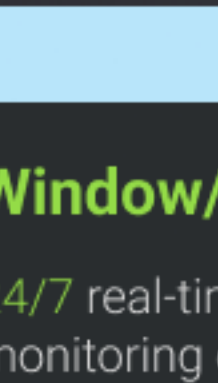
House require a large number of sensors for both indoor and outdoor scenes, and the complexity of the environment leads to frequent false alarms. Frequent review will cost a lot of manpower and even financial resources, which greatly reduces the efficiency of security alarms.

Challenge3: Difficulty in managing multiple devices



House usually need to be equipped with a variety of devices such as sensors both indoors and outdoors to monitor the security conditions in real time. When dealing with dozens or even hundreds of devices, managing and controlling them in an orderly manner is an important and complex challenge.

Challenge4: Hard Linkage



Different brands and independent protocols make it difficult for devices to work together seamlessly. Controlling the entire home setup requires operating multiple apps from various companies, increasing user learning costs.

Roombanker House solution

House security solutions, just one system can easily control the whole house.

1 Hub → 5 × 300 m²

Up to 5-storey house, single level communication range>300m²

Window/Door

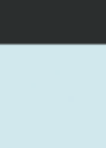
24/7 real-time monitoring opening and closing status



Bathroom

Water Leak Prevention

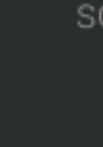
Ensure water security and conservation of water resources



Living Room

Visual Verification

HD Video Verification, effective living room security monitoring without invading privacy



Living Comfort Automation

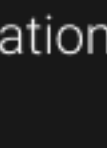
Event-driven automation via temperature and humidity monitor and wall switches to enable comfortable living parameter management



Kitchen

Fire Prevention

Timely warning and power outage. Ensure the safe use of fire and electricity in the home



Entrance

Comprehensive Smart House Access Control to Elevate the Security
Remote intercom for visitor management

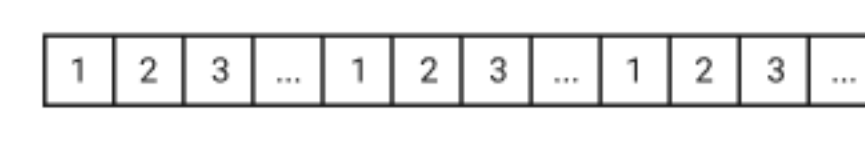


Garage&Basement

Remote control of garage and basement equipment



Whole House Automation & Energy Management



Stable, secure, whole-house coverage

All-in-one management with just a single hub and app for linkage solution among multiple systems, and it's future-proof for further application extension such as Doorbell Intercom.

3 Wireless Protocols

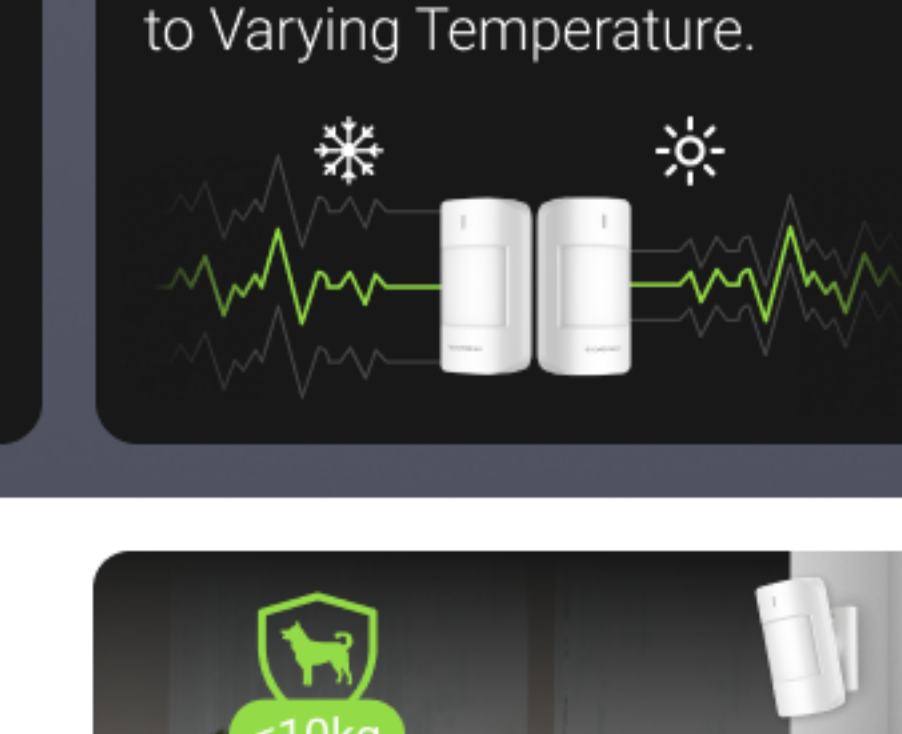


128 Wireless Peripherals



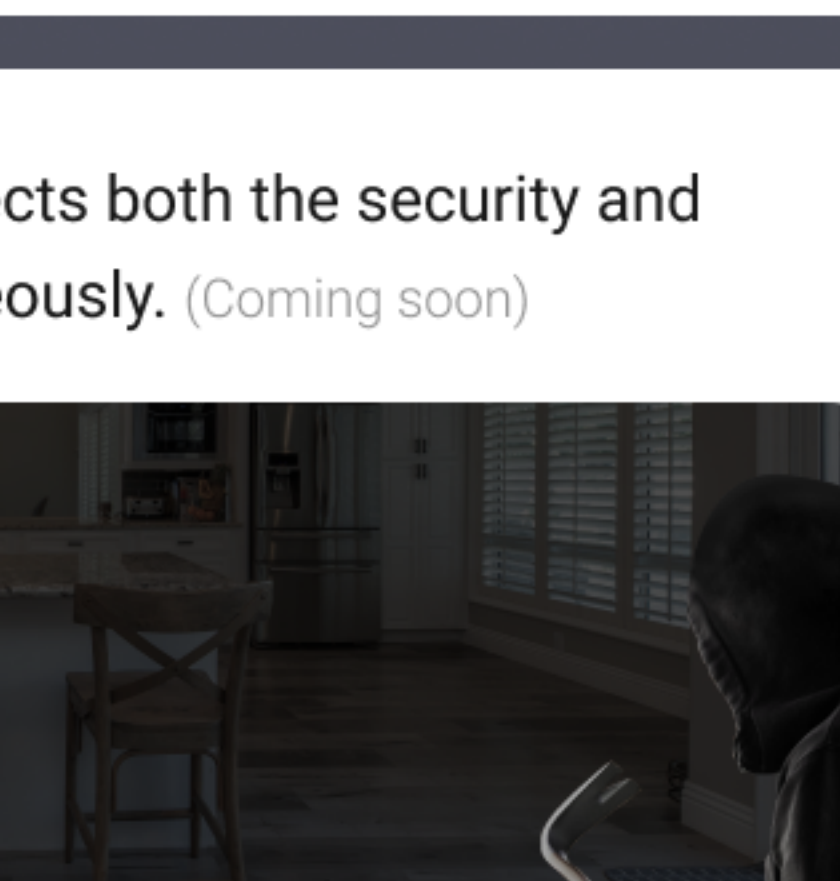
RBF protocol Kilometer-level Two-way Wireless Communication

- One hub for whole house
- Stable transmission in complex environments
- Protecting your privacy and security



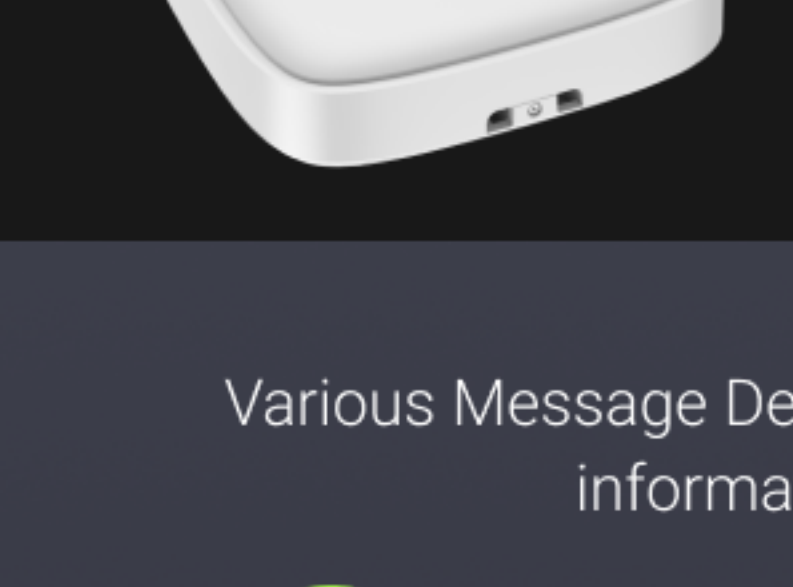
TDMA

Timing division ensures orderly transmission of 128-channel devices, ensuring stable operation of the system while reducing the power consumption.



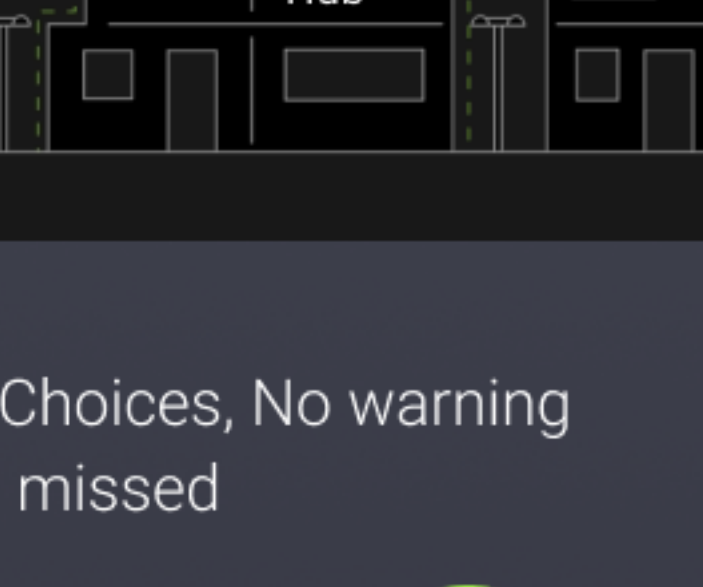
LBT

Automatically jump when the channel is blocked to ensure that users can check the system messages in a timely manner.



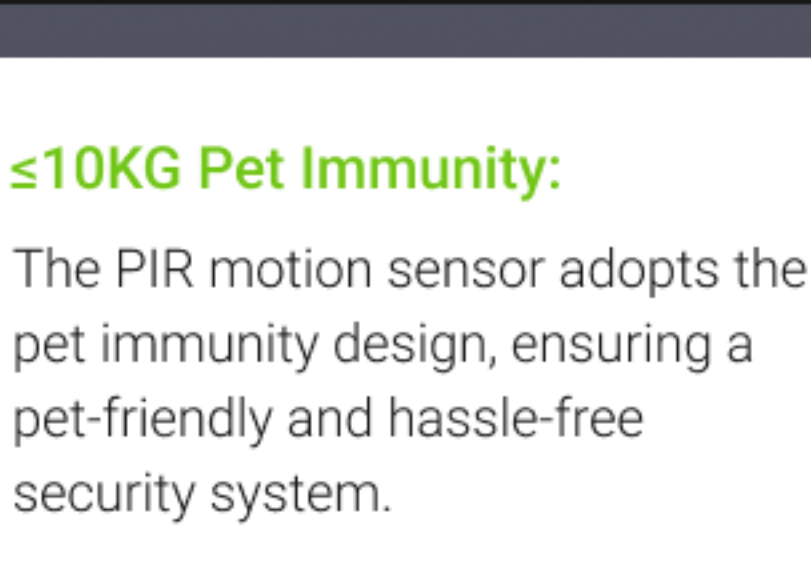
AES-CCM

Supports digital encryption to prevent cracking and protect users' data security.



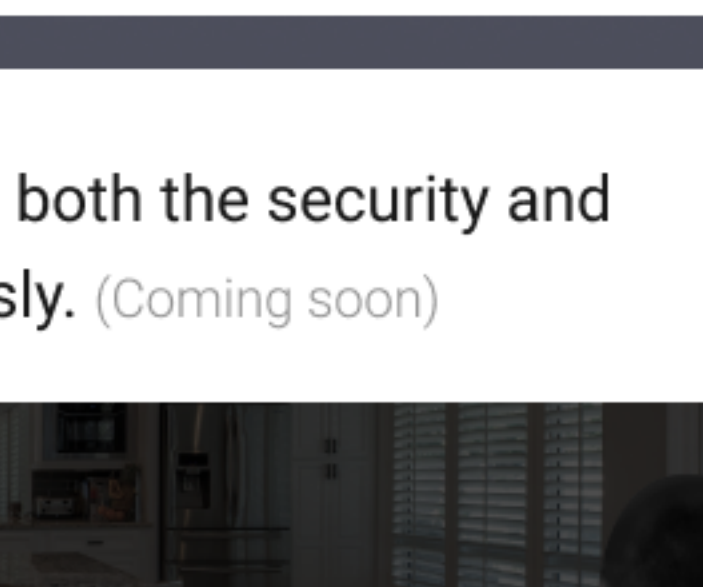
High-performance Intrusion Prevention

Patented Independent Floating Threshold for Minimized Disruption.



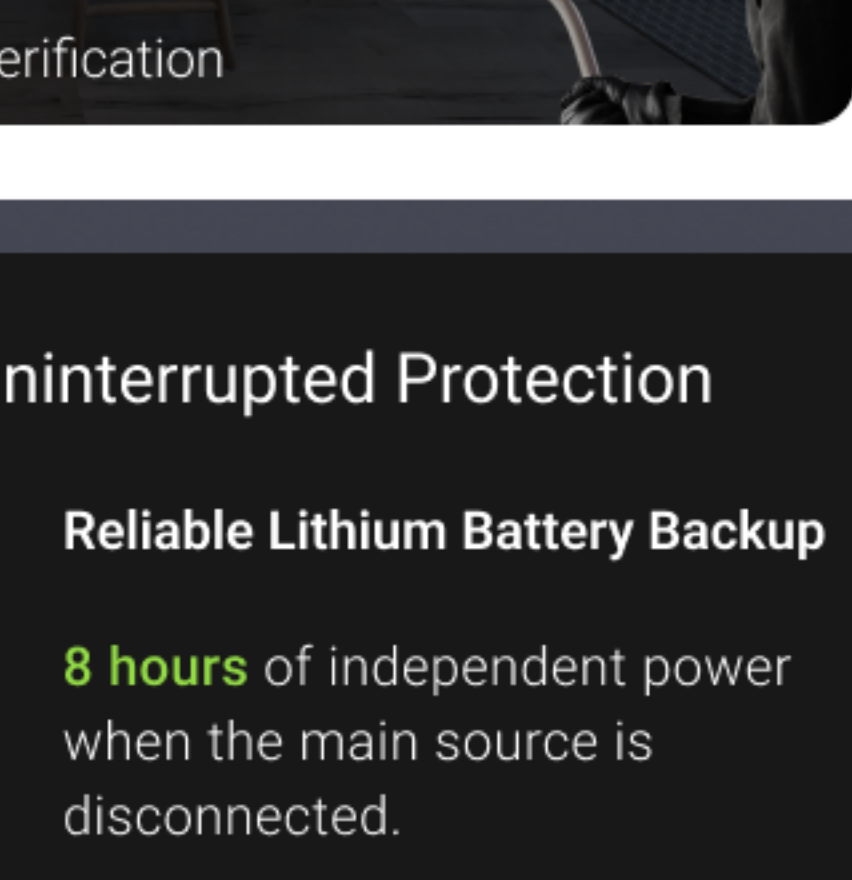
Digital Temperature Compensation Technology:

Precision Detection Adapted to Varying Temperature.

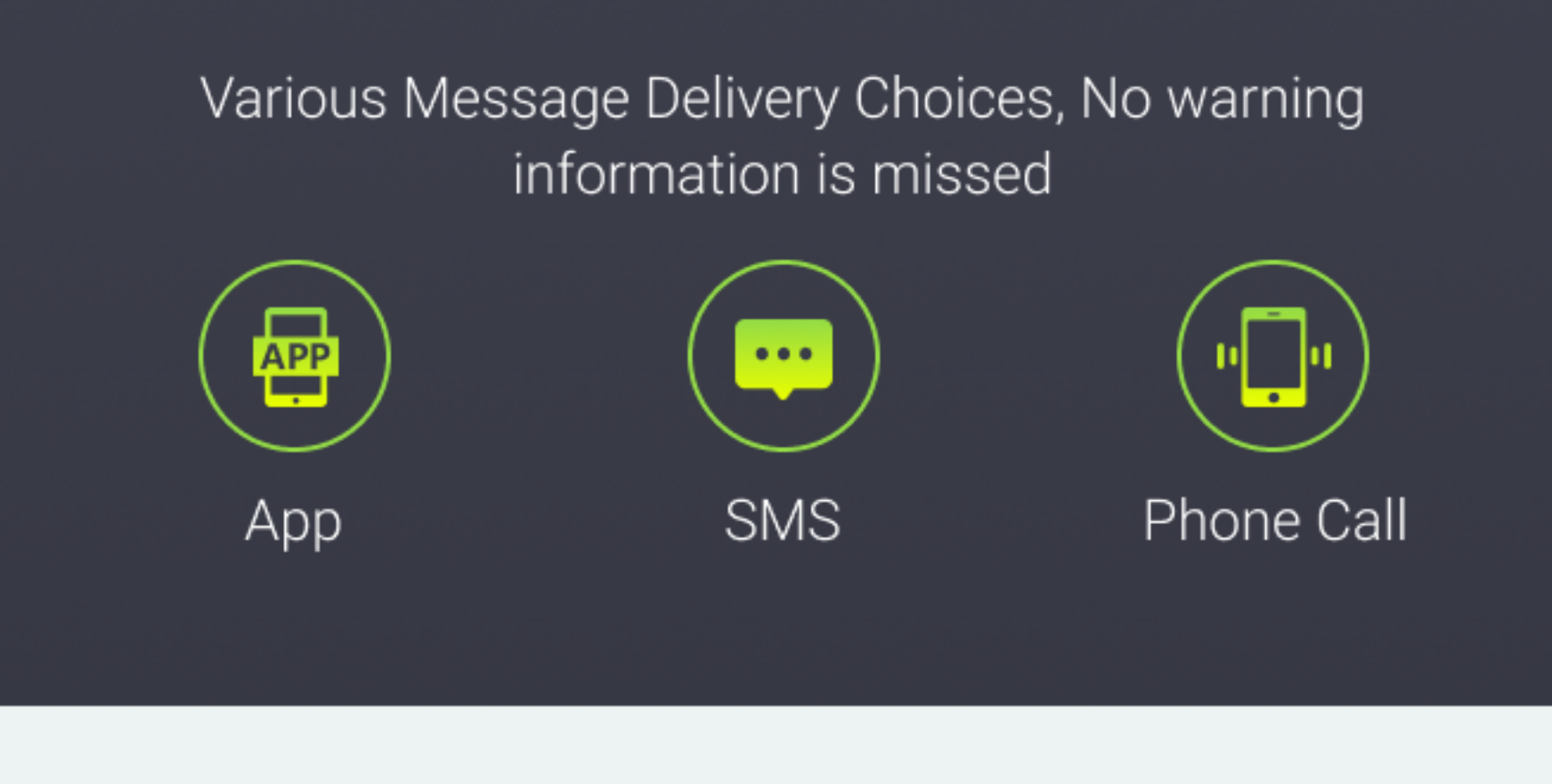


≤10KG Pet Immunity:

The PIR motion sensor adopts the pet immunity design, ensuring a pet-friendly and hassle-free security system.

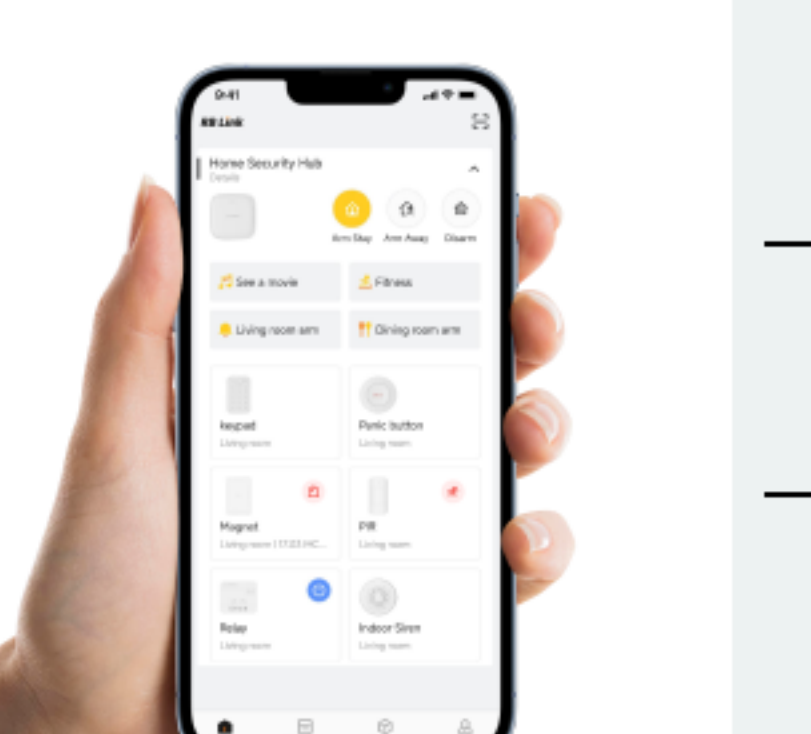


Visual verification protects both the security and privacy simultaneously. (Coming soon)



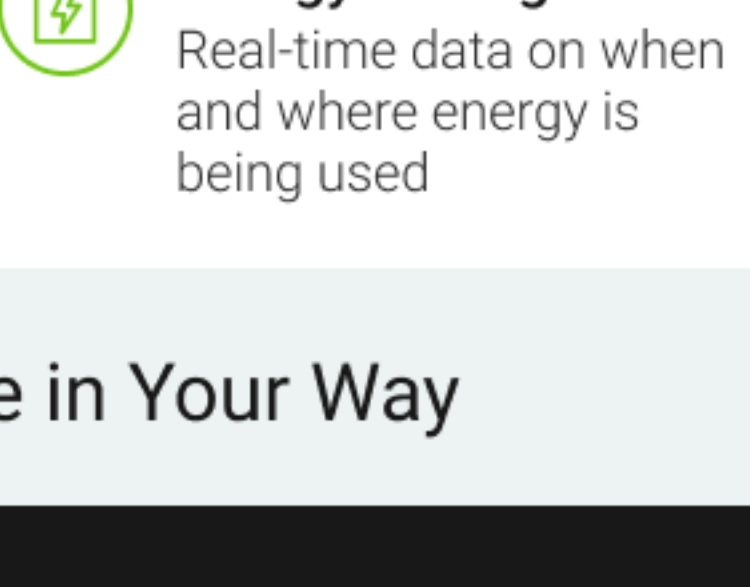
A Resilient System for Uninterrupted Protection

Versatile Communication Option



Reliable Lithium Battery Backup

8 hours of independent power when the main source is disconnected.



Various Message Delivery Choices, No warning information is missed



Multi-scenario management with simple fingertip operation

All-in-one management with just a single app for linkage solution among multiple systems

RB Link App



- Intrusion Detection**
4 types of notification for quick view
- Environmental Safety**
Abnormal detection, timely cut off power
- Smart Automation**
One-click for Smart Automation
- Energy Management**
Real-time data on when and where energy is being used

Define Your Space in Your Way

Up to 64 custom scenes allows you to set up your own automation system accordingly

Trigger Condition

Execution Task



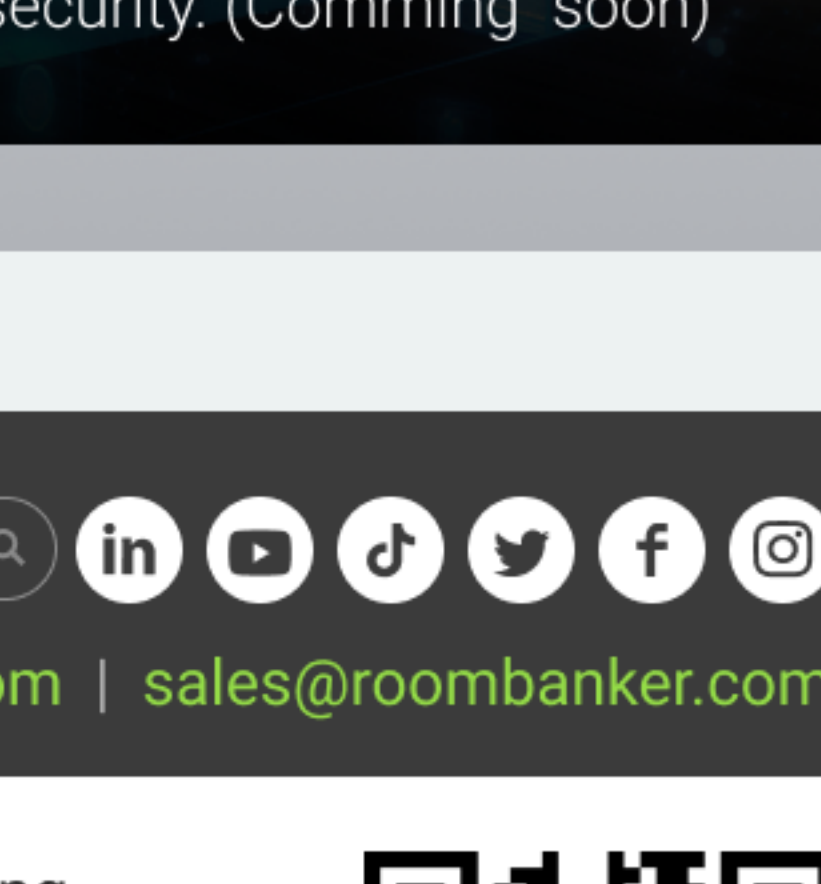
Define the layouts by yourselves for One-click Operation

Open Garage

Night Mode

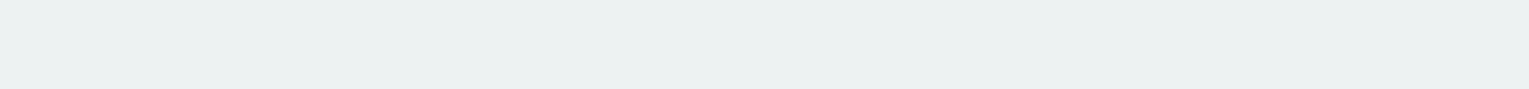
Holiday Mode

Energy-saving



Future-proof by Continuous Enrichment

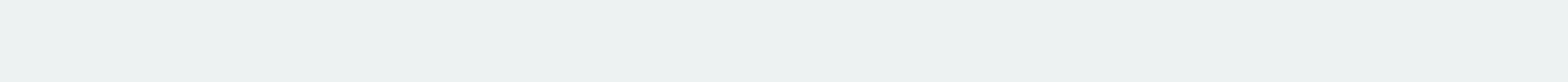
Future-proof with OTA makes it possible to connect more devices and expand system without replacing or changing your exist system.



Health Monitoring

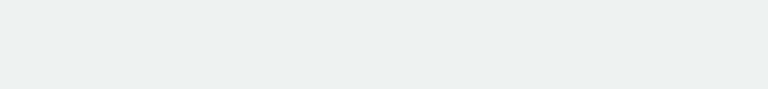
Positioning & Asset Tracking

Providing safer and more efficient security measures that will extend to health and property security. (Comming soon)



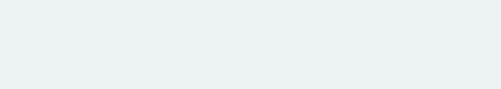
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