

Aqara Camera E1 Introduction

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Product Profile



The Smart Camera E1 is a smart camera product that supports Wi Fi 6 and Bluetooth 5.2. It adopts the new Magicpair binding experience of Aqara and is the first fully equipped Aqara paid cloud storage. It is the first pure Wi Fi camera of the Aqara product line, with a 2K (2304 × 1296p) ultra clear resolution, with horizontal and vertical pan tilt rotation functions, supporting video intercom, AI humanoid tracking, Micro SD card recording, NAS storage, and privacy area coverage functions. In addition, its rich functions can be used in automation applications, achieving functions such as home care and smart linkage, supporting HomeKit security videos, and supporting Google and Alexa platform access.

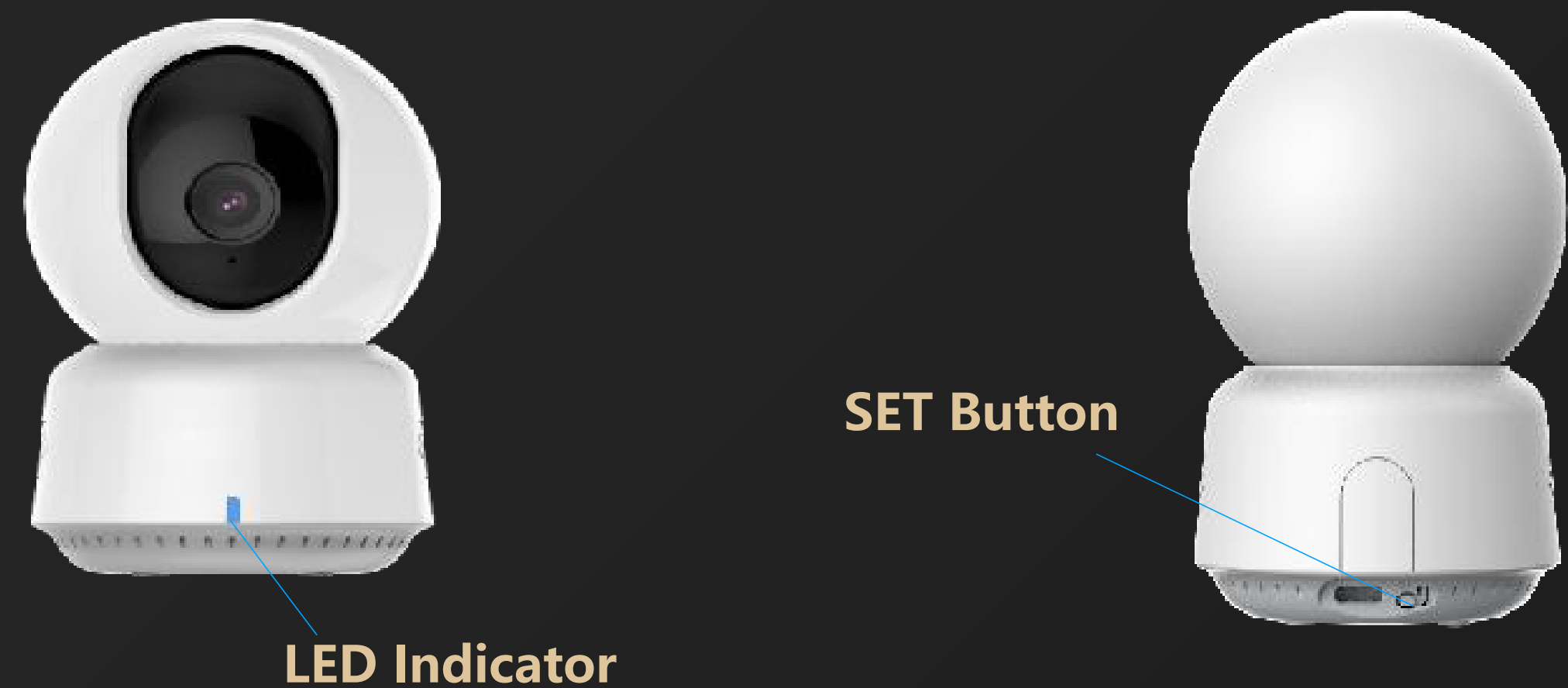


Product Profile



No.	Hardware Definition
①	Infrared lamp
②	Camera lens
③	Mic
④	Micro SD Slot
⑤	Speaker
⑥	LED indicator light (Red Blue Purple)
⑦	Type C power interface
⑧	SET button
⑨	Anti slip silicone pad
⑩	Base fixing groove

Product Profile



Indicator light status	Status Description
Single click Reset button	Eliminating camera alarms
Long press and hold the Reset button at the bottom for 5S	Resets the device but retains local information
Press and hold the bottom reset button 10 times	Restore factory settings: Reset the device and clear local information

Indicator light status	Status Description
Red light on	Power on/camera live streaming
Red light flashing quickly	Waiting to connect to the network
Red light flashing slowly	Network reset successful/ factory reset successful/ OTA upgrade in progress
Blue light flashing slowly	Device Wi Fi network offline/device lookup successful
Blue light flashing quickly	Network connection in progress
Blue light on	Account binding successful, working normally
Purple light on	Wi Fi password error/account binding unsuccessful
Indicator light off	Do Not Disturb Mode/Camera Sleep/Camera Power Off Status

Wi-Fi 6



*This product has obtained Wi-Fi Alliance Wi-Fi 6 certification



Comparison	Wi-Fi 6	Wi-Fi 5
Transmission Efficiency	OFDMA technology supports more data parallel transmission, resulting in higher transmission efficiency and reduced network congestion in environments with multiple network devices.	OFDM technology, with serial data transmission, can easily cause high latency in data queue transmission during network congestion.
Security	Supports WPA3 with minimal security vulnerabilities	WPA3 not supported, WPA2 has many security vulnerabilities
Transfer rate	Fast	Slow

Product Profile



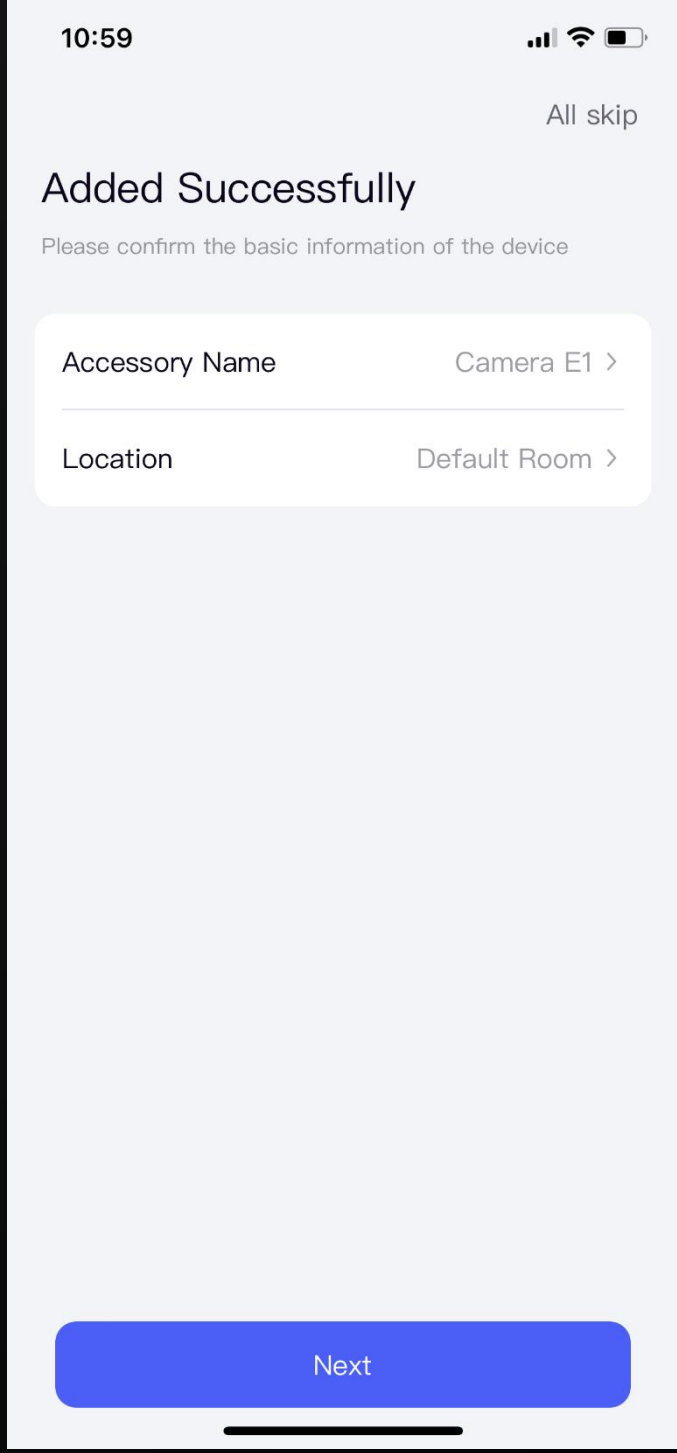
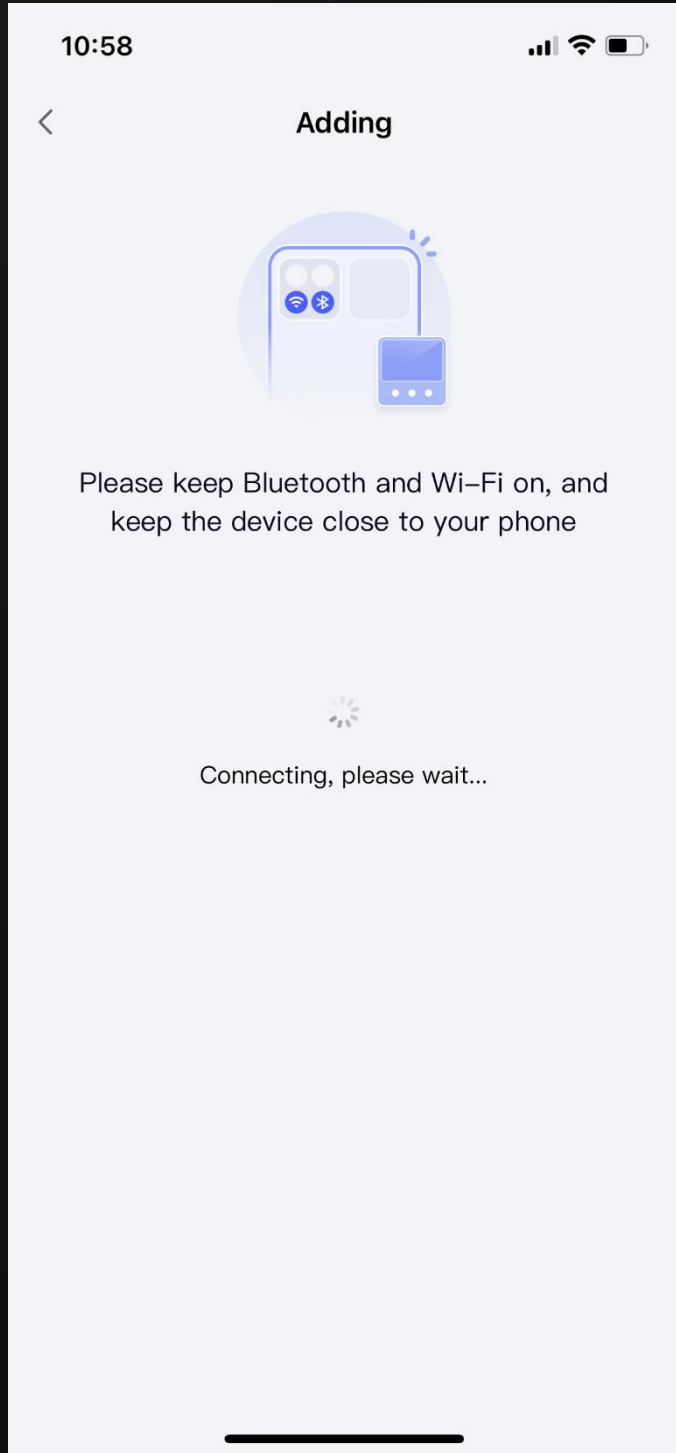
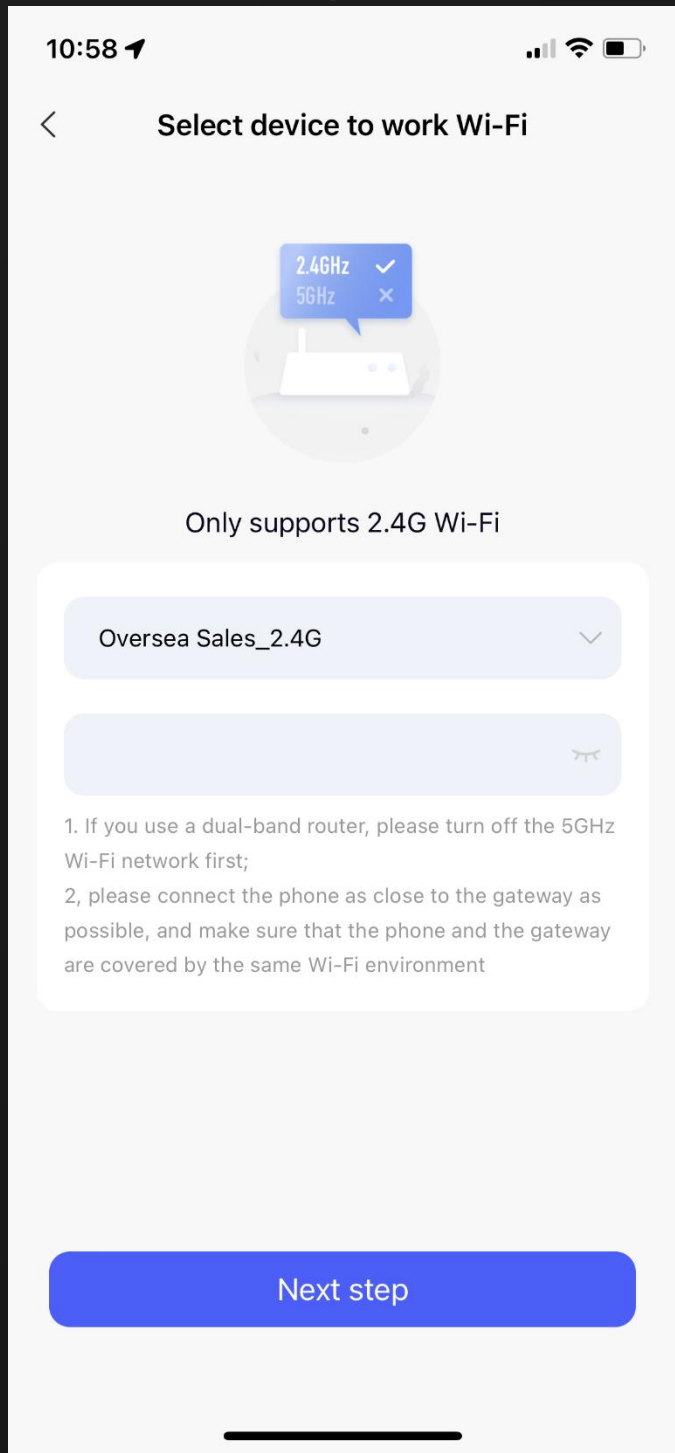
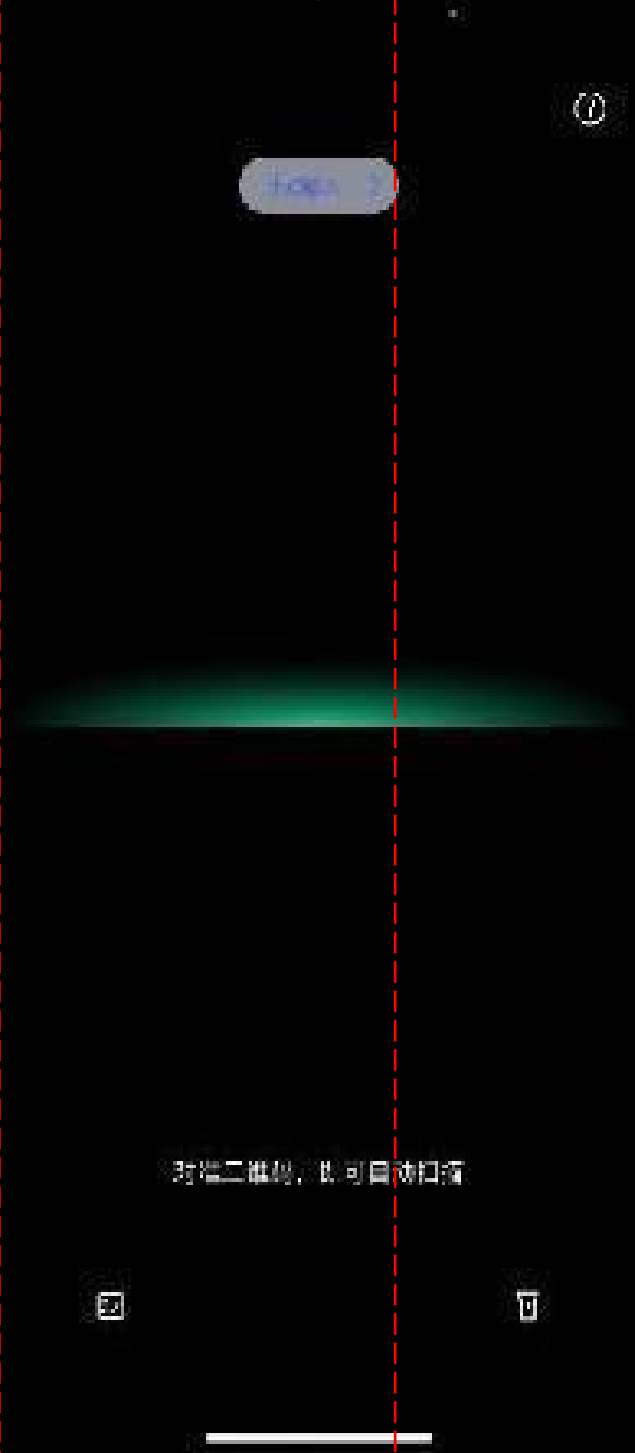
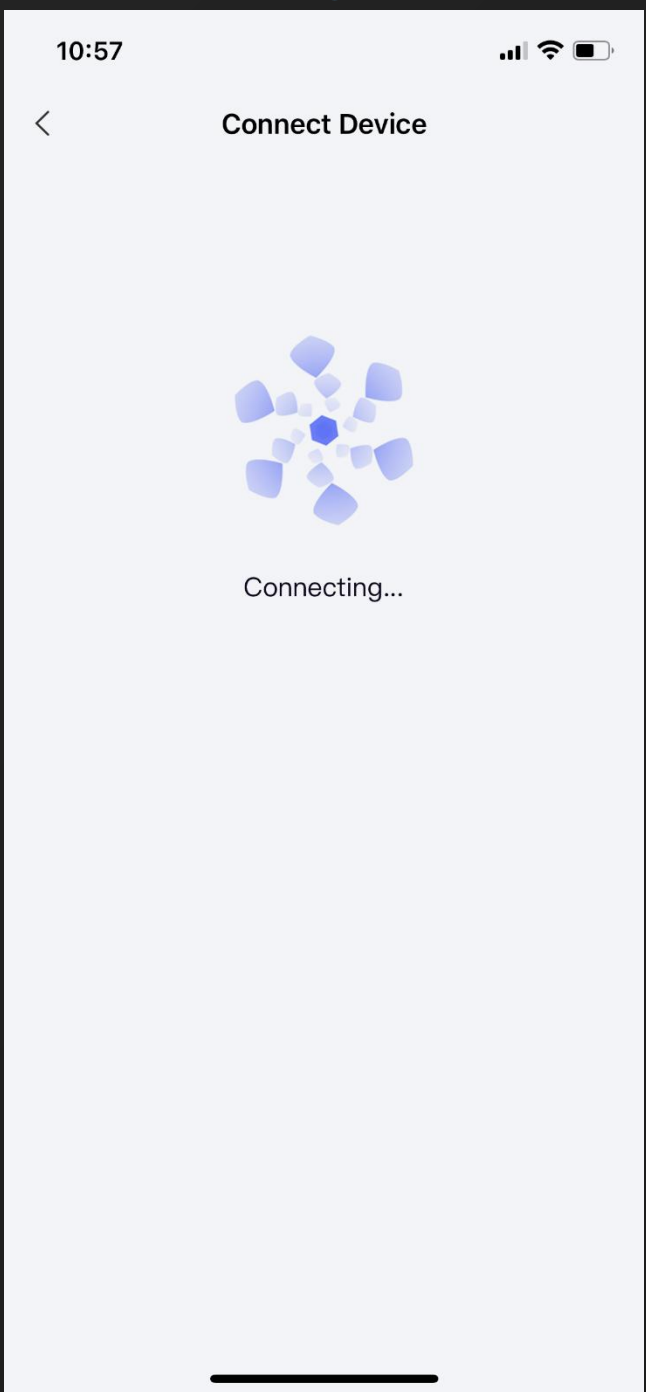
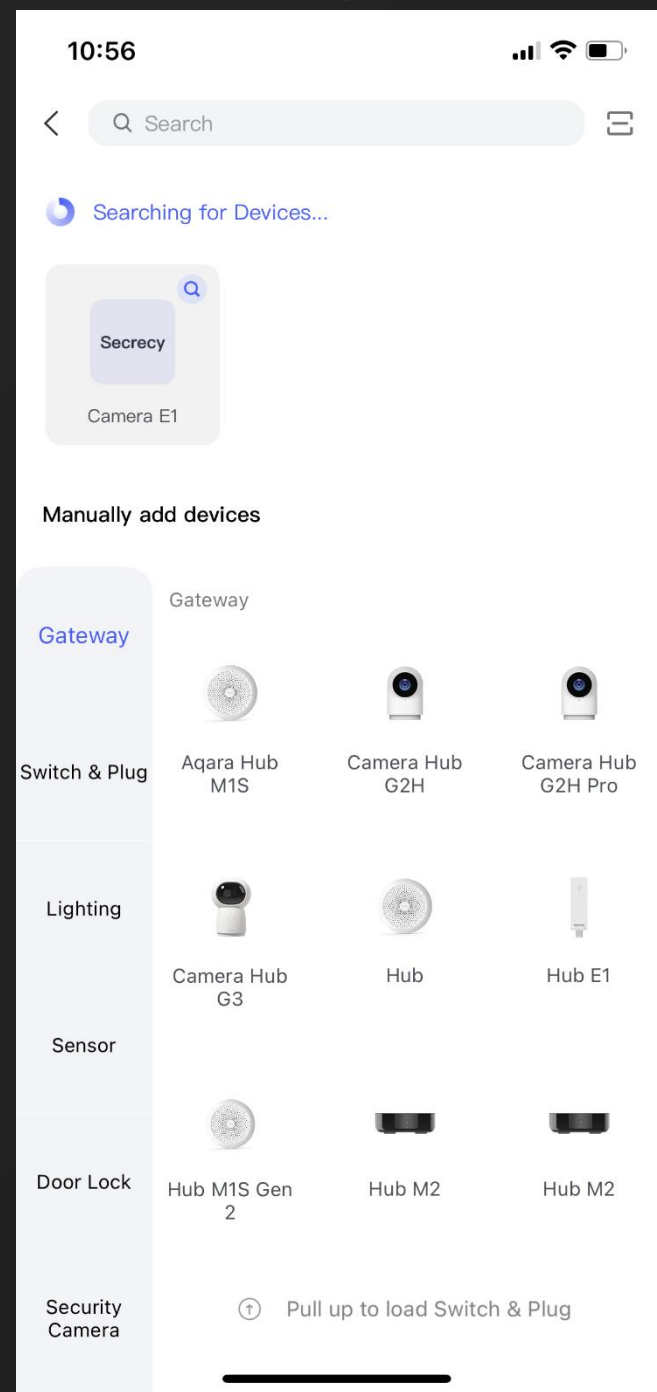
Magicpair: Binding

The new Magicpair binding experience: Actively search for and discover devices through Bluetooth, click on the app pop-up to enter the scanning interface, scan the Magicpair QR code on the camera body with your phone, establish a binding relationship between the phone app and the camera, complete the issuance of Wi Fi account name and password, and finally complete the camera network access.

Find Device

App & Device binding

Binding



Product Profile



HomeKit & Magicpair Sticker



HomeKit sticker: used for HomeKit distribution network pasting on the device body



Magicpair sticker: used for safety proofreading of Aqara Home distribution network, pasted on both the body and the manual

Product Profile



Magicpair: restoring factory settings

Factory settings can be restored with one click through the Aqara Home App, and devices can be connected through Bluetooth and configuration can be issued, avoiding the need to operate buttons to restore factory settings.



SET Button

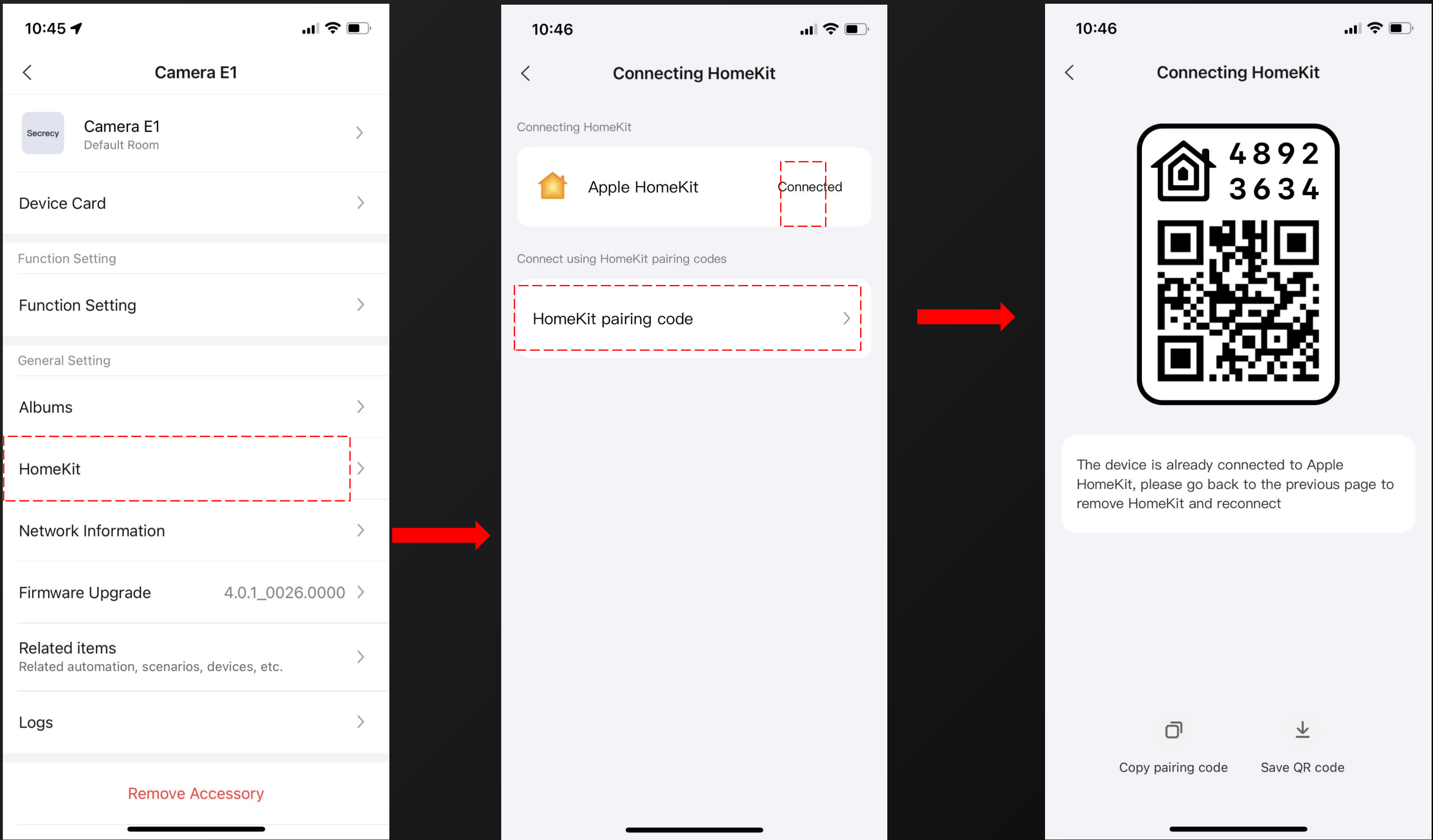
Product Profile



Aqara Home--HomeKit

After the camera is bound to the Aqara Home, it can be bound to HomeKit with one click; Binding to HomeKit requires the phone and camera to be on the same local area network. When entering the Connect to HomeKit interface, the phone will automatically detect whether it is on the same local area network as the camera. If not, it will actively pop up to remind the user.

You can also search for HomeKit pairing code information on the Aqara Home App (both QR codes and digital codes can be obtained)



Content

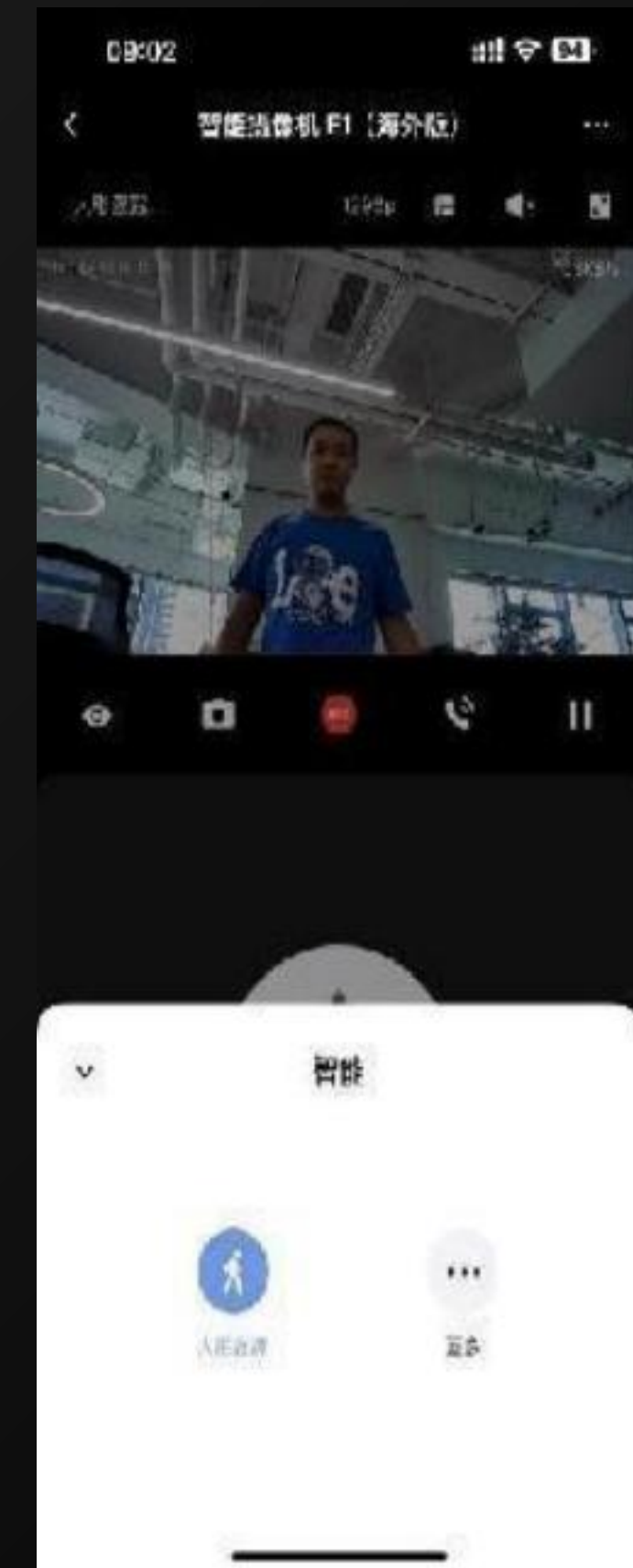
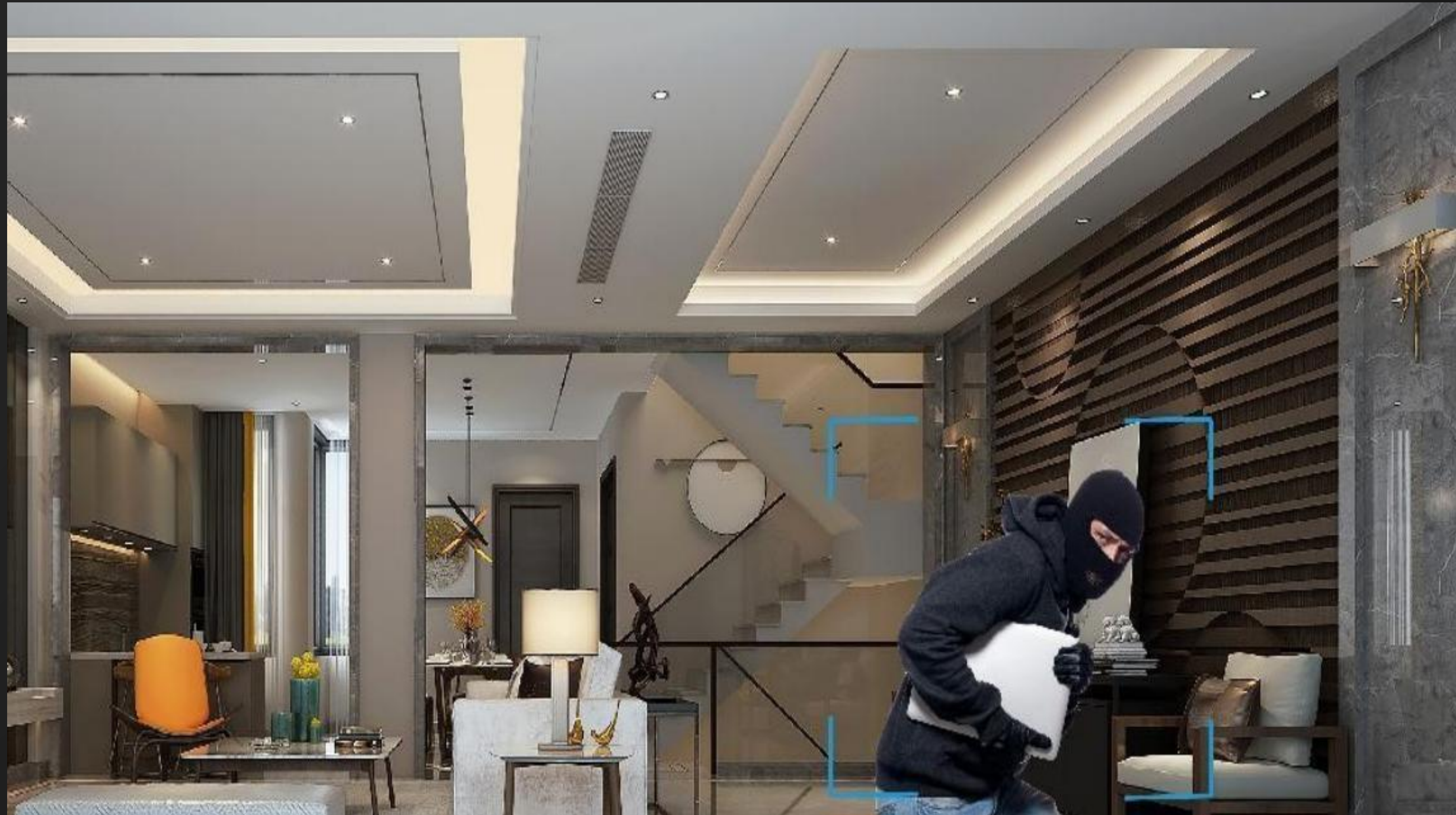
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Product Feature

Aqara

Intelligent AI humanoid

Accurately recognize human figures, constantly record the situation of people at home, and can set up human shape tracking to record every move at any time.

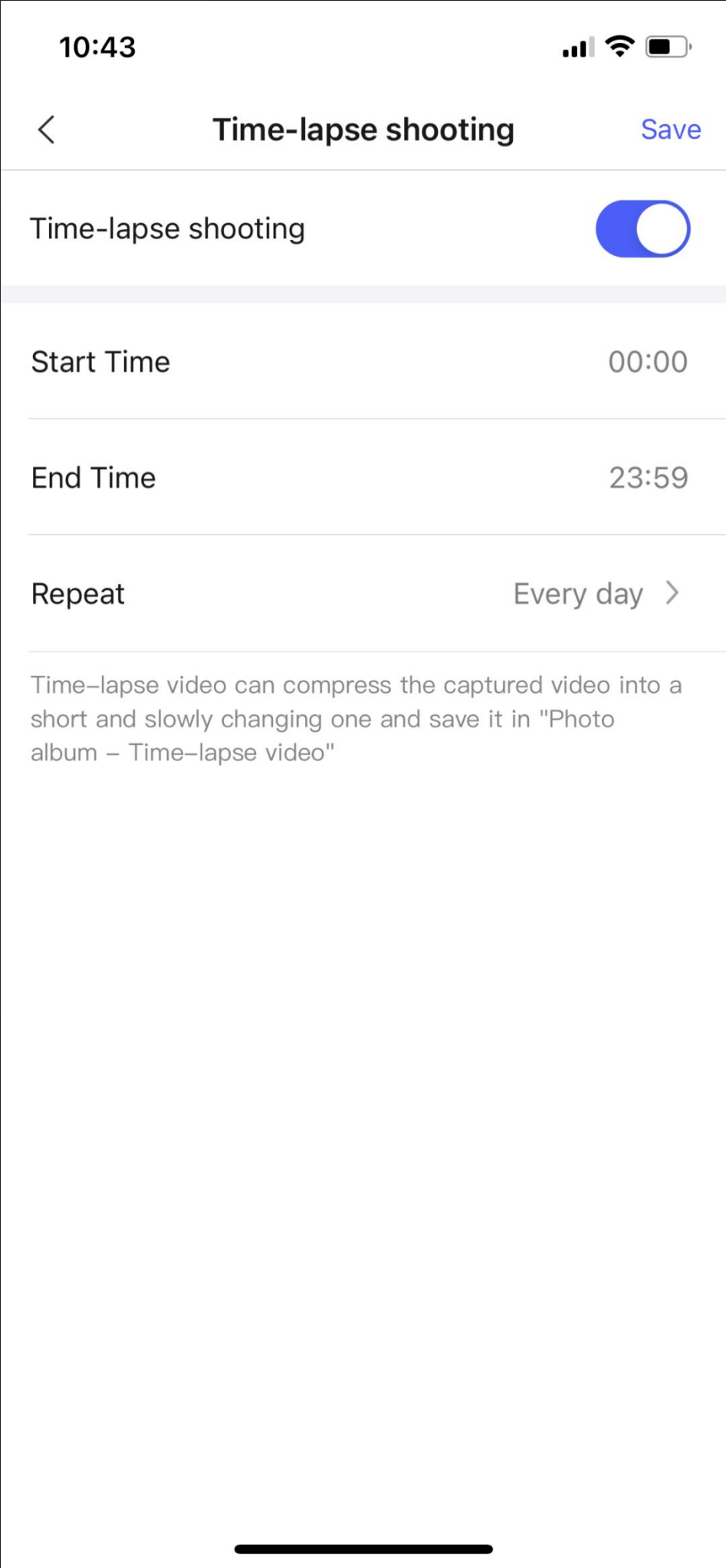


Product Feature



Time-lapse clip

Create a Time Album, compress the videos captured by the designated time into 15 second slowly changing delay videos, and save them in the Album - Delay Photography, and monitor the camera to play a fun and professional style.

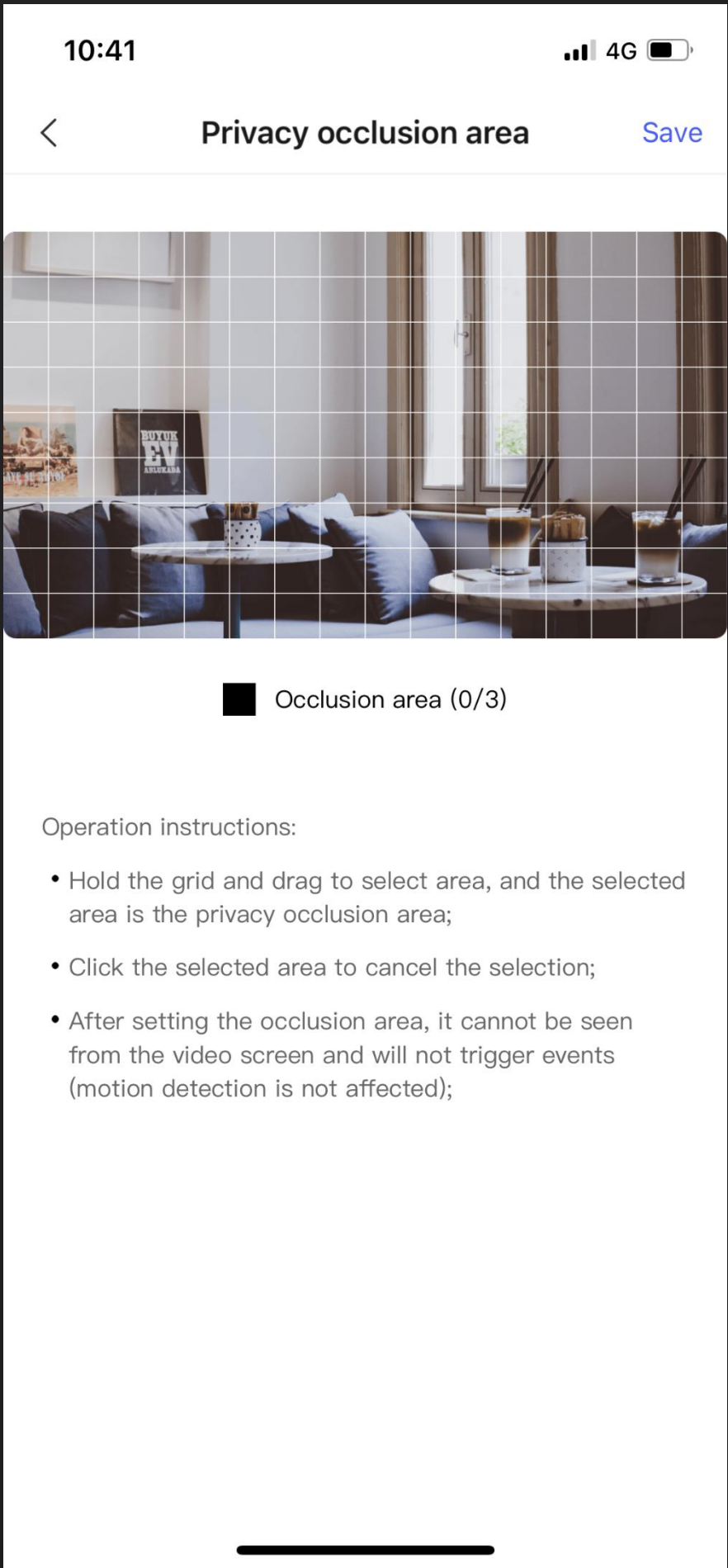


Product Feature



Privacy Masking Zones

When users select an area on the app, the video image (preview, playback) of the selected area will be blocked by color blocks, thus protecting sensitive areas of privacy.

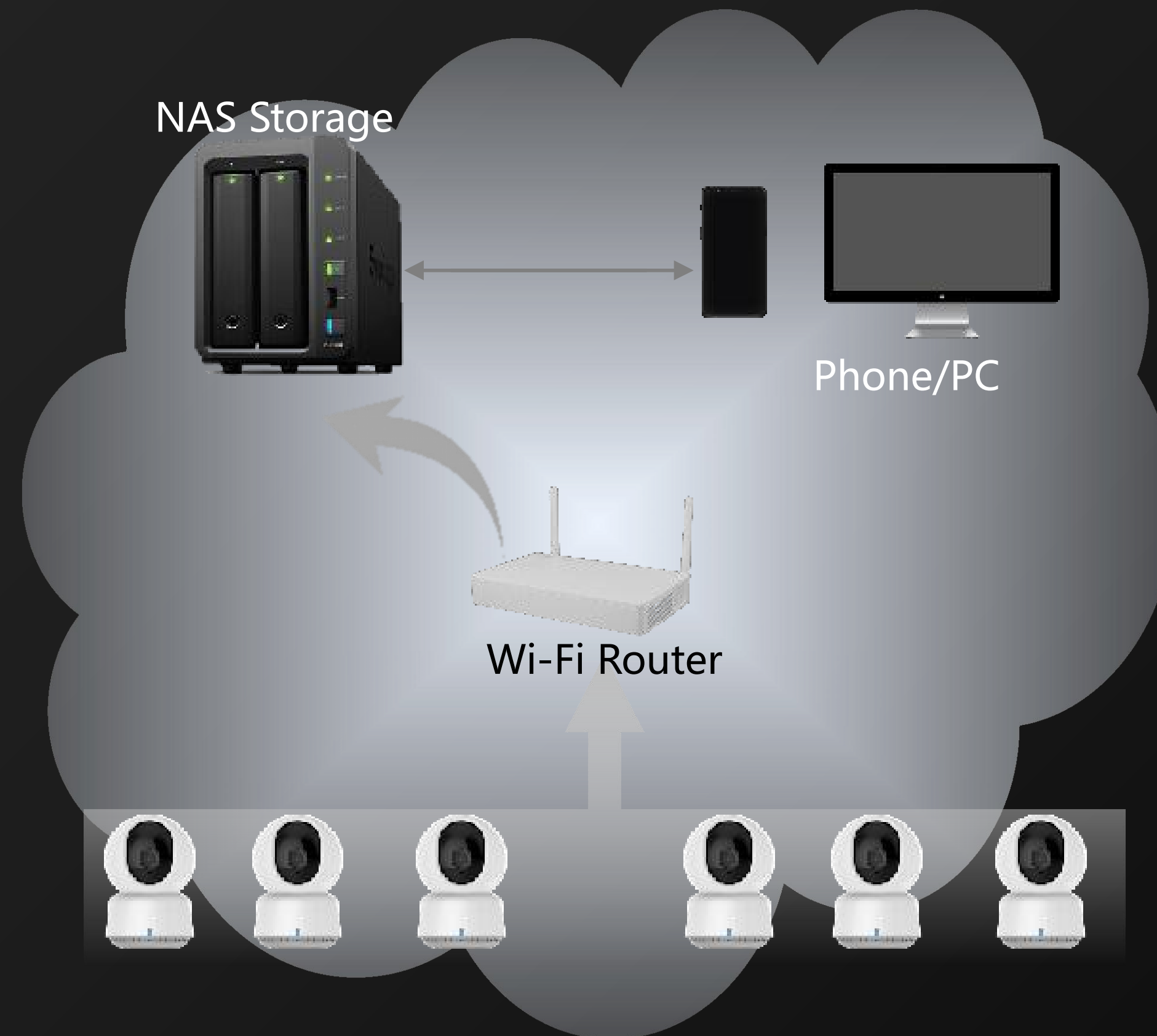


Product Feature

Aqara

NAS Storage

Supporting the SMB 3.0 protocol, data transmission is more secure, and records stored on Micro SD cards can be transferred to NAS storage for centralized management, creating local private cloud services for users.

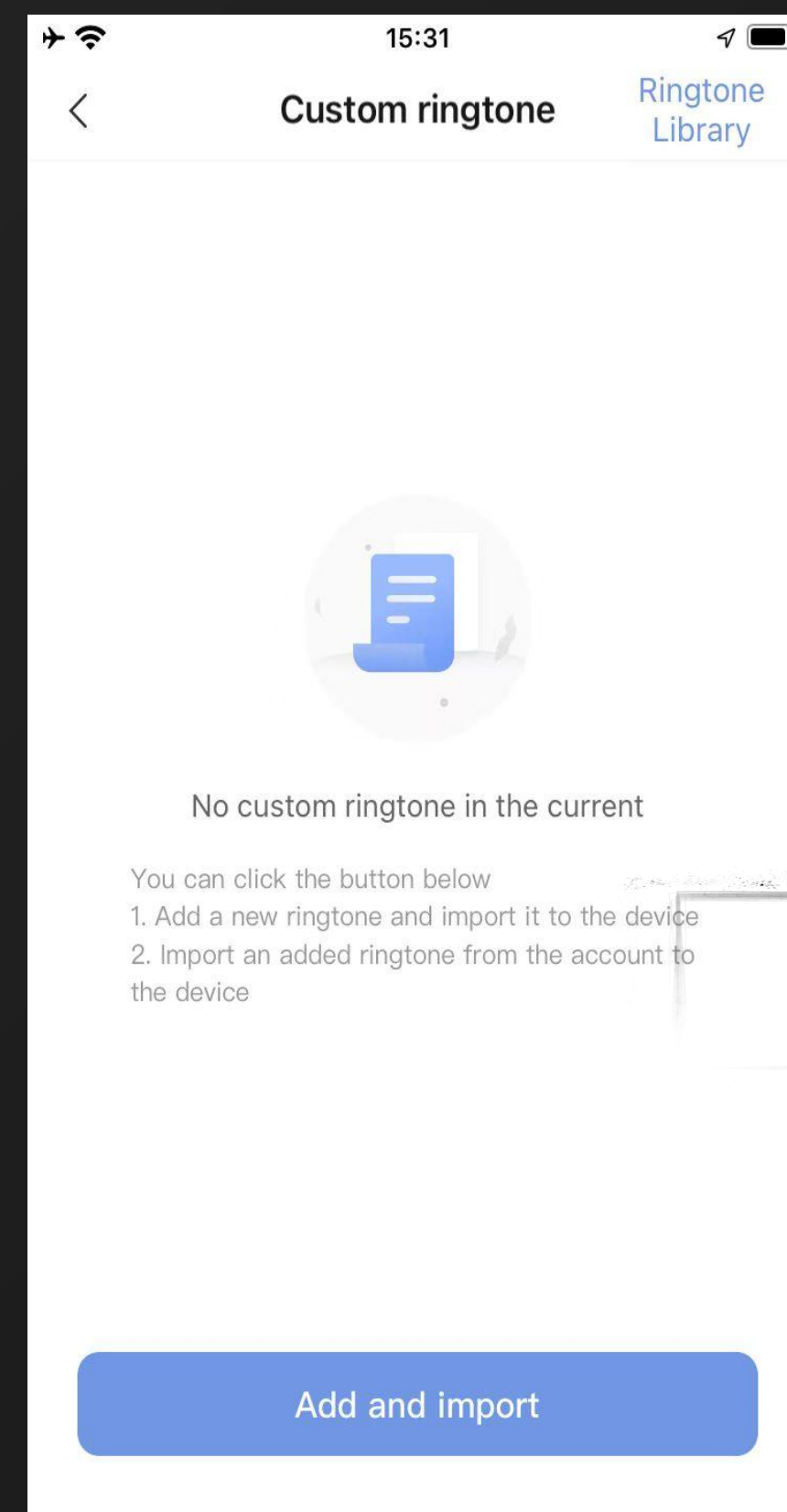


Product Feature

Aqara

Custom ringtones

Upload an audio ringtone and send it to the camera E1, the ringtone can be used to set up the automation and set up the scene. For IOS phones, ringtones need to be uploaded to iCloud, for android phone, the users can upload the ringtone from Aqara Home App.



Hi, warm welcom



Product Feature

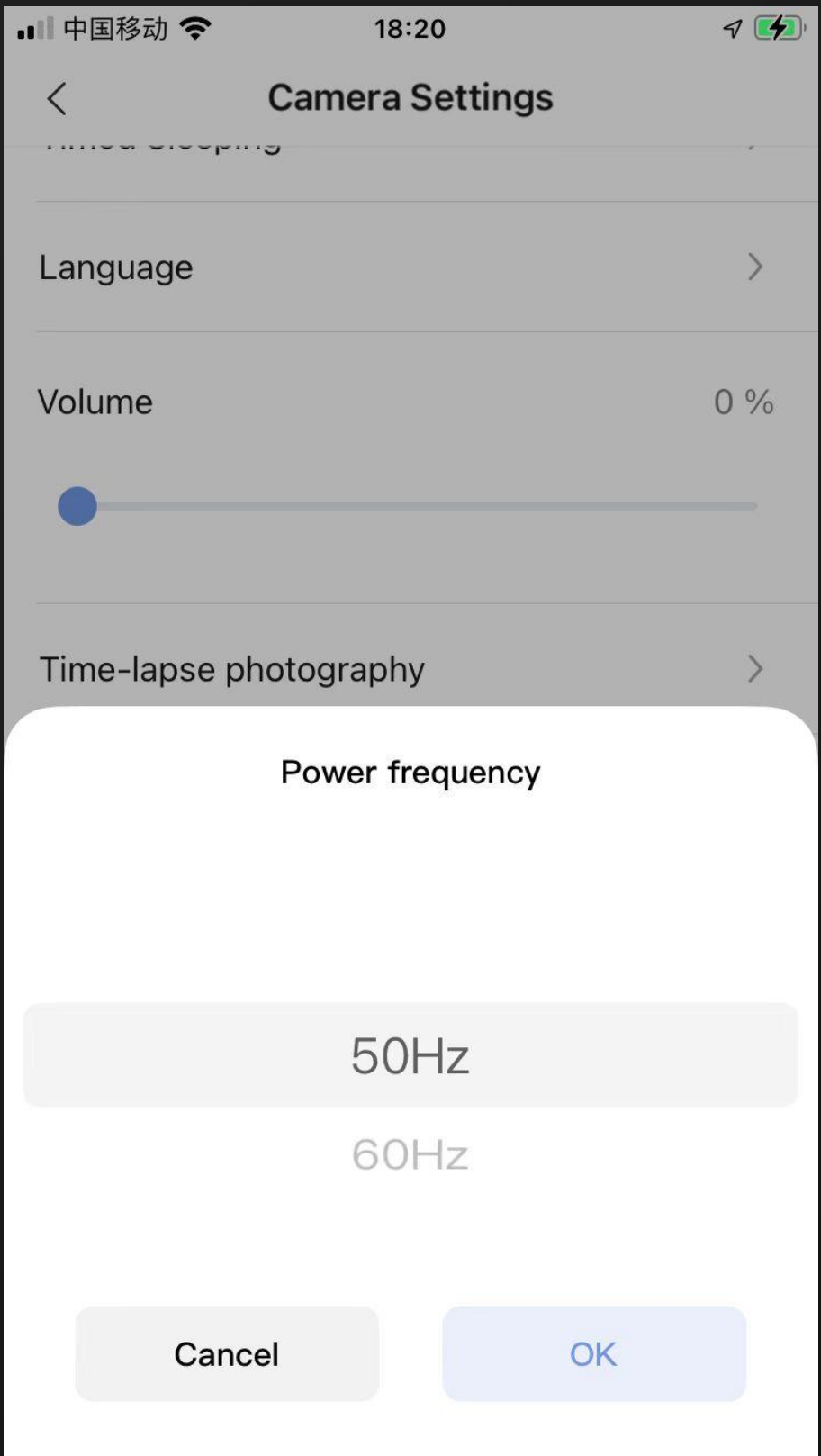


Power frequency switching

Due to the inconsistency between the power supply standard (50Hz/60Hz) of the display appliance and the working frequency of the camera, there is a phenomenon of flickering in the monitoring screen.

50Hz: Chinese Mainland, Japan, Singapore, India, Thailand, most of Europe;

60Hz: the United States, Canada, Mexico, South Korea, the Philippines, Taiwan, China and other regions.



Product Name	Camera E1
Product model	CH-C01E
Product size	69mm×69mm×104mm
Product weight	160g
Wireless Protocol	2.4GHz Wi-Fi IEEE 802.11b/g/n/ax, Bluetooth 5.2
Power supply	DC5V2A, USB Type C
Working temperature	-10 °C~45 °C
Working humidity	0-85% RH, noncondensing
Storage temperature	-20 °C~55 °C
Recommended installation method	Desktop placement, wall mounted (requires the use of base accessories)
What’ s in the box	Camera E1 × 1. Instructions × 1. Base accessories × 1. USB A to USB C power cable (1 meter) × one

Product Specification



Hardware	Resolution ratio	2K (2304×1296p)
	Image sensor	1/2.8" , CMOS
	Camera lens	4mm focal length, F2.0 aperture,
	Photosensitive	Soft
	Viewing Angle	101 ° (diagonal)
	ICR	IR-CUT
	Infrared light	Infrared lights (6 pieces)
	Speaker	1 unit, 1W8Ω
	PT rotation angle	Horizontal 350 °, vertical 67 °
	Wireless communication	2.4GHz Wi-Fi 6, Bluetooth 5.2
	Hardware interface	Micro USB power input interface
	MicroSD	Supports up to 512GB, FAT32, and exFAT formats
	Button	Set button
	Indicator	LED (Red/Blue)
	Input	USB Type C, DC5V2A (No adapter)

Video	Encoding Format	H.264
	Coding ability	1296p@20fps/1080p@20fps/360p@20fps
	Pan tilt control	supports single point and long press triggering
	Picture in Picture	Independent page playback video interface on the app

Software	Binding method	Magicpair (Bluetooth), QR code scanning binding
	AI	Figure recognition and tracking
	Detection	Movement detection
	Sleep mode	One click sleep, timed sleep
	NAS storage	Supports docking with NAS storage and supports the Samba 3.0 protocol
	Power frequency	50Hz/60Hz switching to avoid screen flicker
	PT calibration	Calibrate pan tilt position
	Power outage memory	Default on, after an incoming call, the pan tilt returns to its pre power off state
	Self-returning	No one appears in the long screen to return the pan tilt to the position before tracking
	View predefined location	Pre -set, up to 50 supported
	Timelapse clip	Allows summarizing the day in one 15s short video
	Storage method	Micro SD card, cloud storage, NAS storage\
	Custom ringtone	The ringtone can be used to set up the automation and scene
	Restore factory settings	App - restores factory settings and button operations with one click
	Wi Fi replacement	App - One Click Wi Fi Replacement
	Privacy Masking Zones	Supports stacking up to 3 black blocks in the selected area to block private images
	Display identification box	Recognizing the human form, the video screen will select the recognized object
	Block audio recording	When video recording is enabled, audio recording will be blocked.
	Automation	Cloud automation (execution fails when external network is disconnected)
	Upgrade	Camera firmware OTA, AI algorithm OTA
	Third software	HomeKit Alexa, Google, IFTTT

Camera Specification Comparison



Specification	Camera E1	Camera Hub G2H Pro	Camera Hub G3
Resolution ratio	1296p	1080p	1296p
Hub Protocol	N/A	ZigBee 3.0	ZigBee 3.0
LED	IR	IR	IR
Wireless connection	2.4GHz Wi-Fi 6, BLE	2.4GHz	2.4GHz、5GHz
Power supply	Type-C	Micro-USB	Type-C
Micro SD storage	Maximum support 512G	Maximum support 512G	Maximum support 128G
Cloud storage	Paid cloud storage	Free cloud storage	Free cloud storage
Sleep state	Disconnect video stream	Disconnect video stream	Physical masking
Photosensitive	Soft	Soft	Hard
PT	PT	N/A	PT
IR remote control	×	×	√
Button	SET	Function, reset	Home
AI	Light AI: Human Shape Detection and Tracking (Light AI)	N/A	Heavy AI: Face/Cat Dog Recognition&Tracking, Gesture
Binding	Magicpair入网、Scan code to bind	Scan code to bind	Scan code to bind
Distortion correction	√	×	√
Other Features	NAS、Custom ringtones、Privacy Masking Zones, Time-plapse clip	NAS、Custom ringtones、Privacy Masking Zones, Time-plapse clip	NAS、Custom ringtones
Automation	Cloud	Cloud、Local	Cloud、Local
3rd party platform	HomeKit、Alexa、Google、IFTTT	HomeKit、Alexa、Google、IFTTT	HomeKit、Alexa、Google、IFTTT

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Installation



Please visit Aqara official website for installation video in near future.

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1. What are the special requirements for using other power adapters? Why is the Wi Fi connection unstable on camera E1, or does the camera sometimes restart?

The power supply standard for E1 cameras is DC5V2A, which needs to be strictly followed. Otherwise, camera E1 may restart frequently due to insufficient power supply, or the Wi Fi connection may be unstable.

2. How to distinguish between HomeKit stickers and Aqara Magicpair stickers

Visually inspect the power interface. The sticker on the left side of the power interface is HomeKit sticker, and the sticker on the right side of the power interface is Aqara Magicpair sticker.

3. Why does my phone open the Aqara Home App without a device pop-up window?

The functionality of Magicpair relies on Bluetooth. If you want to actively discover and add devices through Aqara Home, you need to enable the Bluetooth usage permissions of Aqara Home and enable mobile Bluetooth.

4. The HomeKit sticker on my E1 camera was accidentally rubbed or scratched, making it impossible to scan the code or see the HomeKit sticker information clearly. Is there any way to bind HomeKit?

The E1 camera supports reading the HomeKit information of the device through the cloud. Open the Aqara Home App, and in the HomeKit section of the E1 camera settings interface, you can read the HomeKit QR code information or directly connect to HomeKit with one click.

5. Can the E1 camera be used for outdoor use?

The E1 camera does not have waterproof performance, so it is not recommended to use it in outdoor scenes.

6. Can the E1 camera be connected to 5G Wi Fi?

No, the E1 camera only supports 2.4GHz Wi Fi.

7. How to implement the privacy protection function of E1 cameras?

There are three ways for E1 cameras to achieve privacy protection: ① Set the camera to sleep, at which point the camera will completely disconnect the recording of the video unless the user actively wakes up the camera; ② Set the privacy masking area of the camera, where there will be pure black blocks superimposed on the video of the camera to protect local privacy; ③ Through automation, through a certain triggering condition (which can be triggered by a switch, mobile phone position, or other Aqara devices, the action is to rotate the camera to a specified position and set a delay to turn off the camera)

8. Why is the camera overexposed when observing the lighting inside the room during normal use?

Please check if the camera lens is dirty. Fingerprints and other dirt can have a significant impact on the effectiveness of the camera. Please ensure that the surface of the lens is not dirty during use.

9. Can the E1 camera be installed on the ceiling?

Yes, you can fix the camera accessories on the ceiling with expansion screws, and then push the camera into the base accessories to complete the installation.

10. Can the E1 camera add other Zigbee sub devices from Aqara?

No, the E1 camera does not have hub function and cannot add other Zigbee sub devices of Aqara. However, it can still support automated linkage.

11. If the route is disconnected from the internet, can the E1 camera achieve automation of the local LAN?

Yes, but E1 cameras can only achieve automated linkage with other Aqara hubs and their sub devices under the same LAN routing. If other hubs and their sub devices are not under the same LAN as E1 cameras, automation cannot take effect.

THANK YOU