

Aqara Camera Hub G350

continuous connection

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Product Overview



Powered by dual lenses, pan-tilt-zoom, and dual-band Wi-Fi 6, the Camera Hub G350 captures ultra-clear 4K detail, tracks people and pets, and boasts visual and sound detection—covering both close-ups and wide areas with no blind spots. It can serve as the central node in your smart home, acting as Matter controller and Zigbee hub, also seamlessly integrating with popular smart home platforms such as Apple Home (including HomeKit Secure Video), Google Home, and Amazon Alexa.



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Product Overview

G350 can easily deal with a variety of complex scenes: it can not only carry out panoramic monitoring and accurately capture visitor details in the home environment, automatically record warm smiling faces, but also provide 360° no-dead-angle care for open spaces such as living rooms through PTZ cruise and panoramic positioning; it can also be used as a security center for small shops/offices, and local linkage sensors can realize rapid response and video forensics of abnormal events.

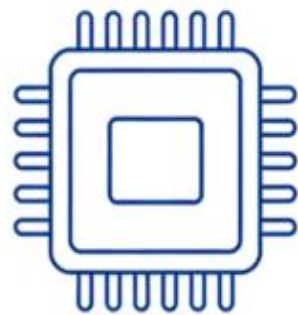


Features



Dual Camera AI Zoom

4K wide angle + 2.5K telephoto,
9× hybrid zoom



Local AI Computing Power

2T NPU, visual + audio AI recognition



Dual-mode Hub

Zigbee/Thread, connecting other
intelligent devices



High-speed Connection

WiFi6 2.4 & 5 GHz dual-band,
4K video low-latency transmission



Privacy Guard

Physical shielding + local storage,
security without dead ends

Features - Dual Lens Design: Wide Area Coverage + Detail Penetration

- Wide angle main lens: 2.8mm focal length, 133° field of view, 4K resolution
→ Full house/shop coverage at once, no need for multiple machines
- Tele lens: 8mm focal length, F1.6 large aperture, 2.5K resolution
→ Accurate capture of key information such as faces from a distance
- Hybrid zoom: fast switching, optical + digital combination, 9× magnification

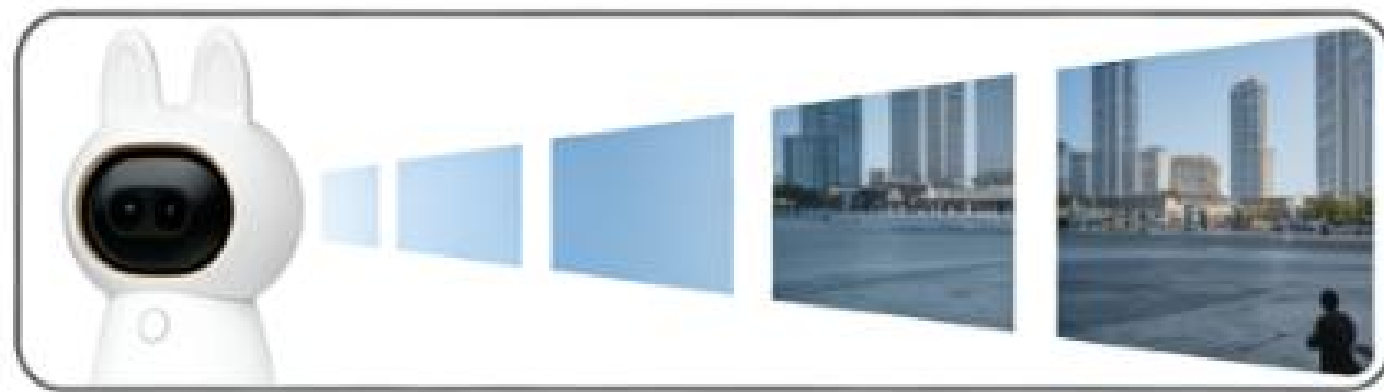


Wide angle main lens:

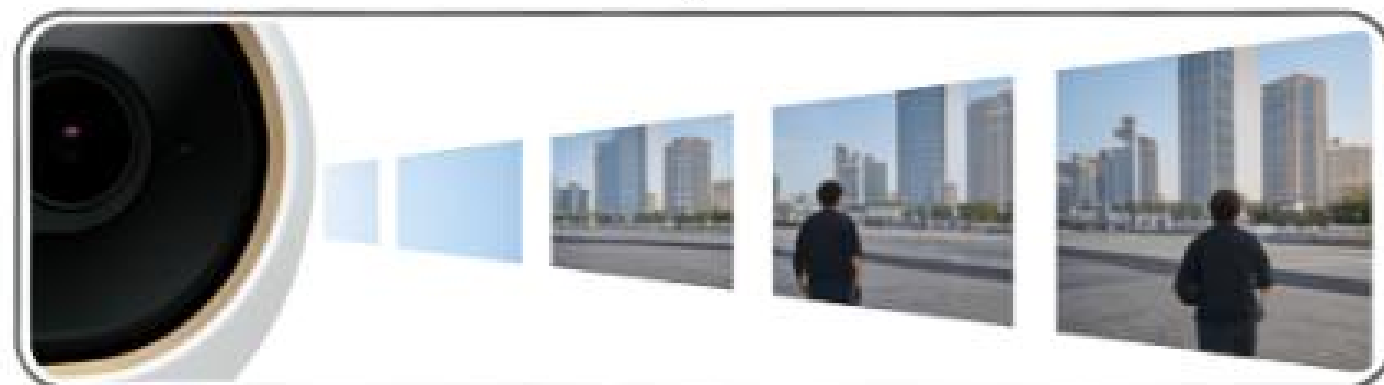
- 2.8mm focal length
- 133° field of view
- 4K resolution

Tele lens:

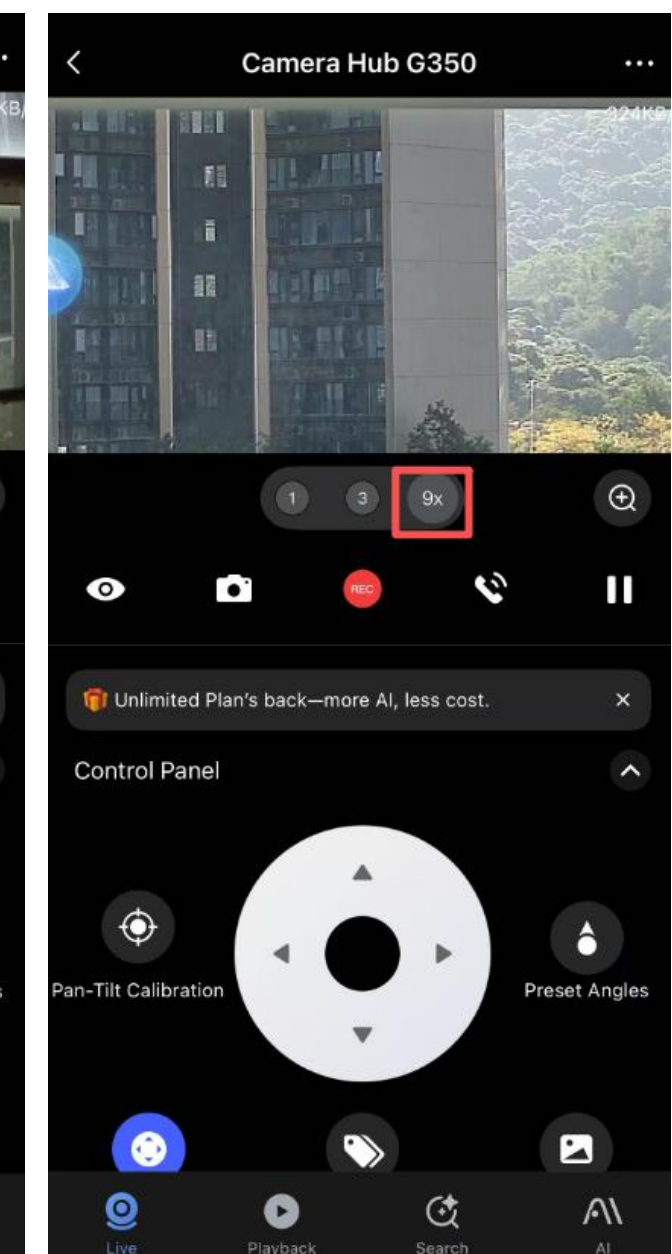
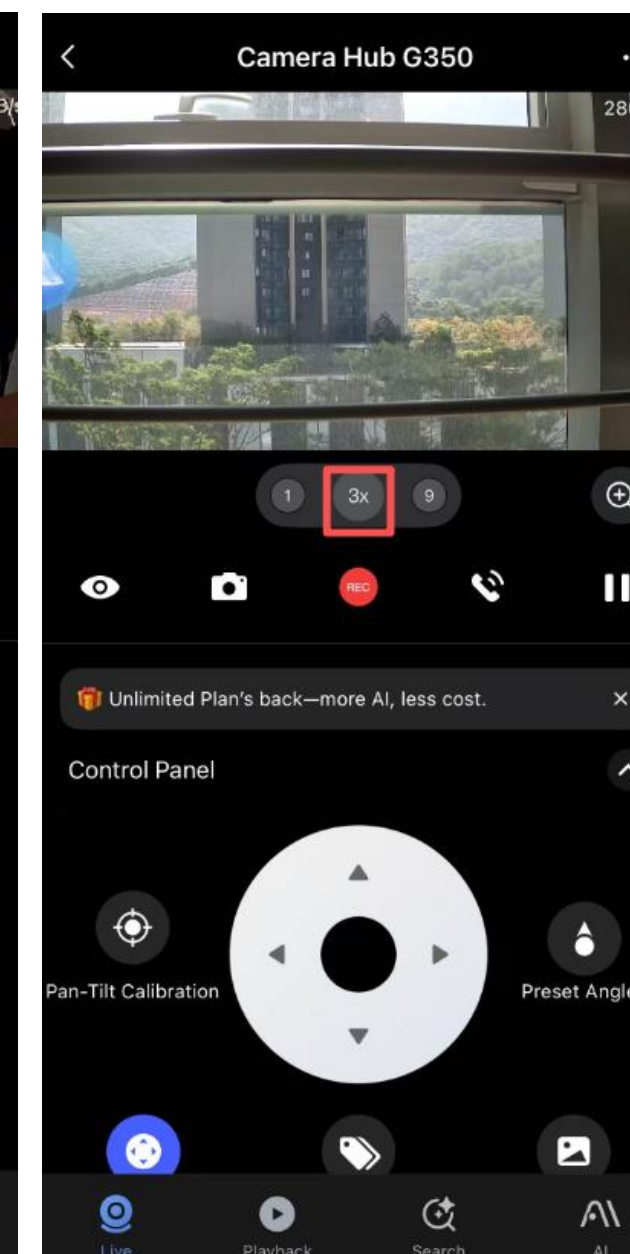
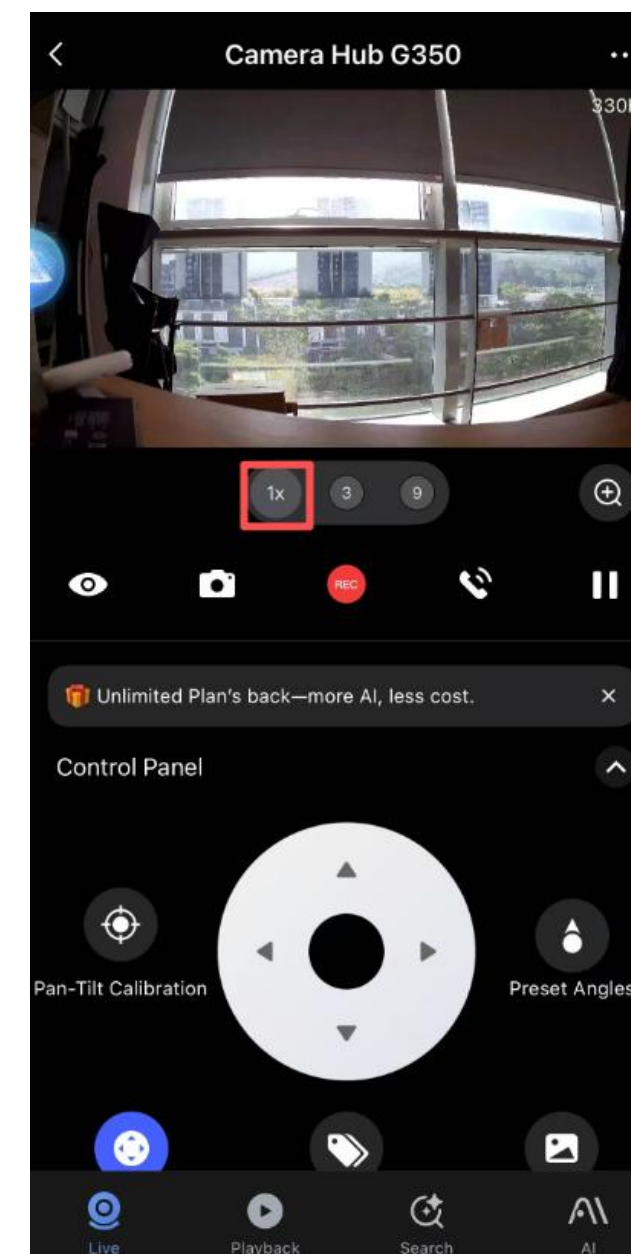
- 8mm focal length
- F1.6 large aperture
- 2.5K resolution



1 x Panorama -> 3 x Switching -> 9 x Details



1 x Panorama -> 3 x Switching -> 9 x Details



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Features - AI Master Chip

Core configuration: dual-core CPU + 2TOPS NPU

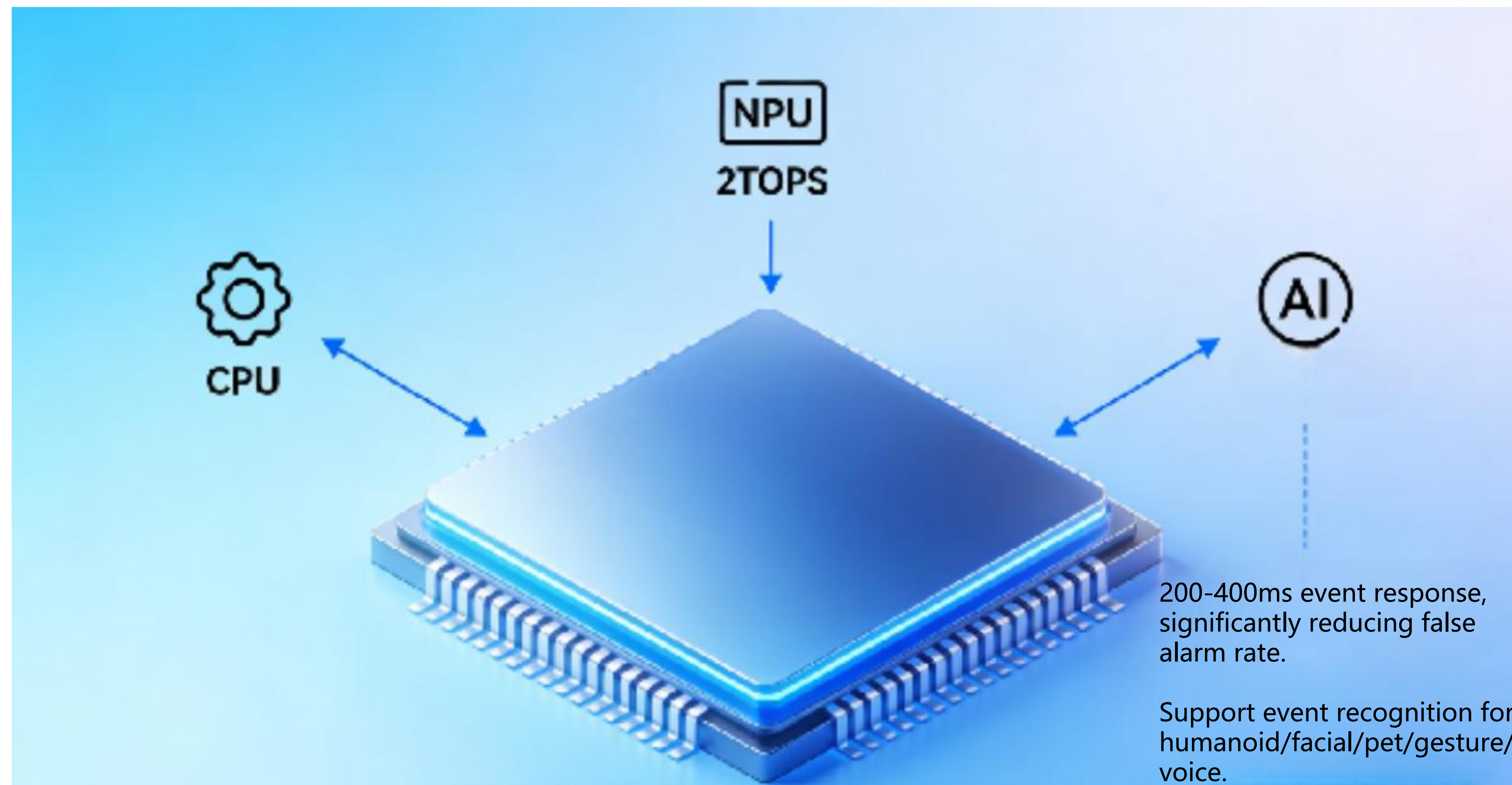
→ Run multi-path AI algorithms locally in parallel without relying on the cloud

Efficiency advantage: Efficient incident response, significantly reduced false alarm rate

→ Fast recognition, fast linkage, smoother experience

Supported algorithms: humanoid/facial/pet/gesture/sound event recognition

→ Multi-dimensional perception, covering more scene requirements



Features - Visual AI: From "Recording" to "Interacting"

Smiley face recognition: capture smiling expressions in real time and automatically capture photos

→ Deepen emotional connections, not just security

Dynamic Gesture Recognition: Hand waving, hands opening and other gestures trigger instructions

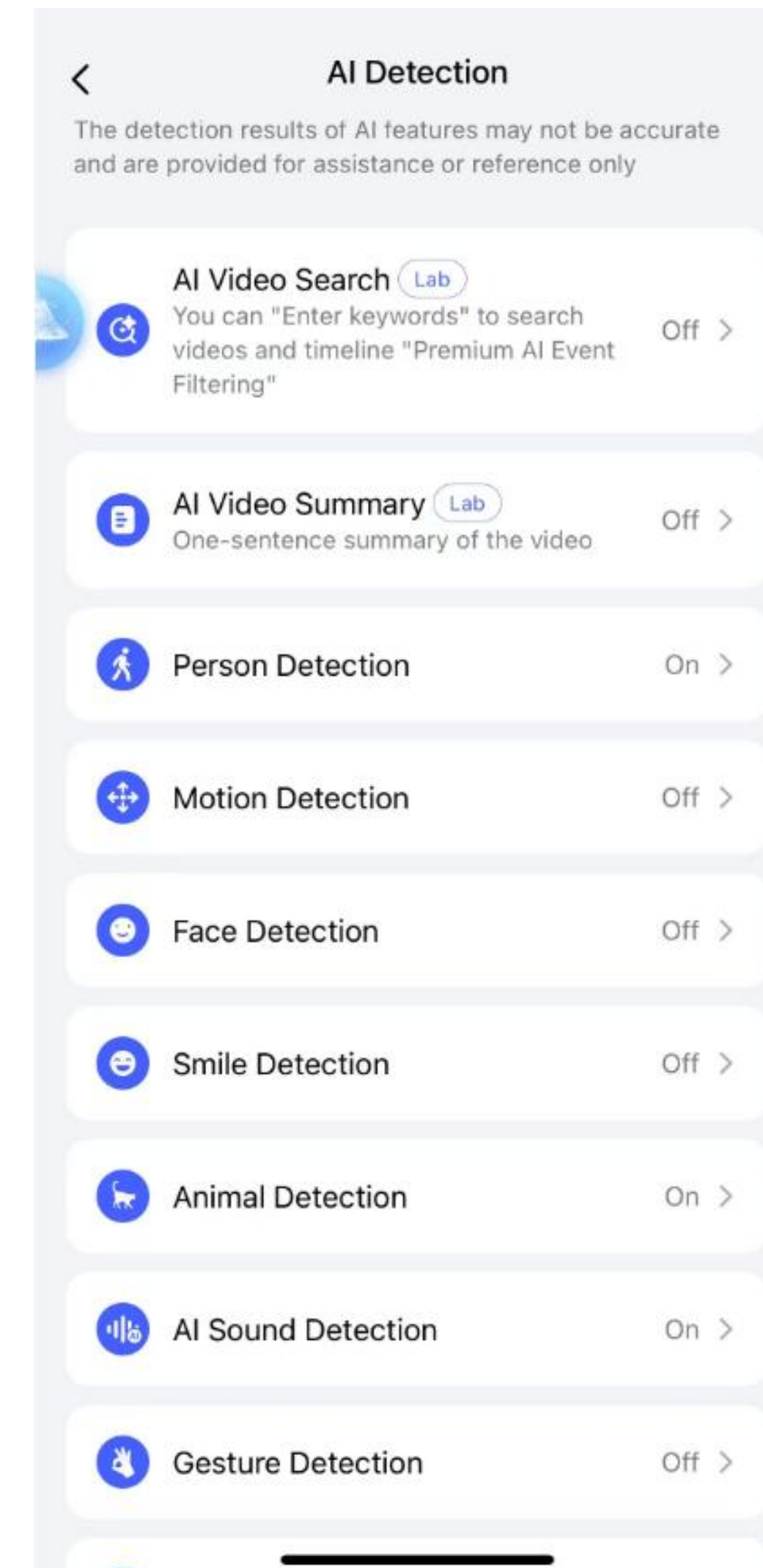
→ No contact operation, convenient and private

Local operation: AI algorithm front-end processing, fast response and privacy protection

Smiley face recognition

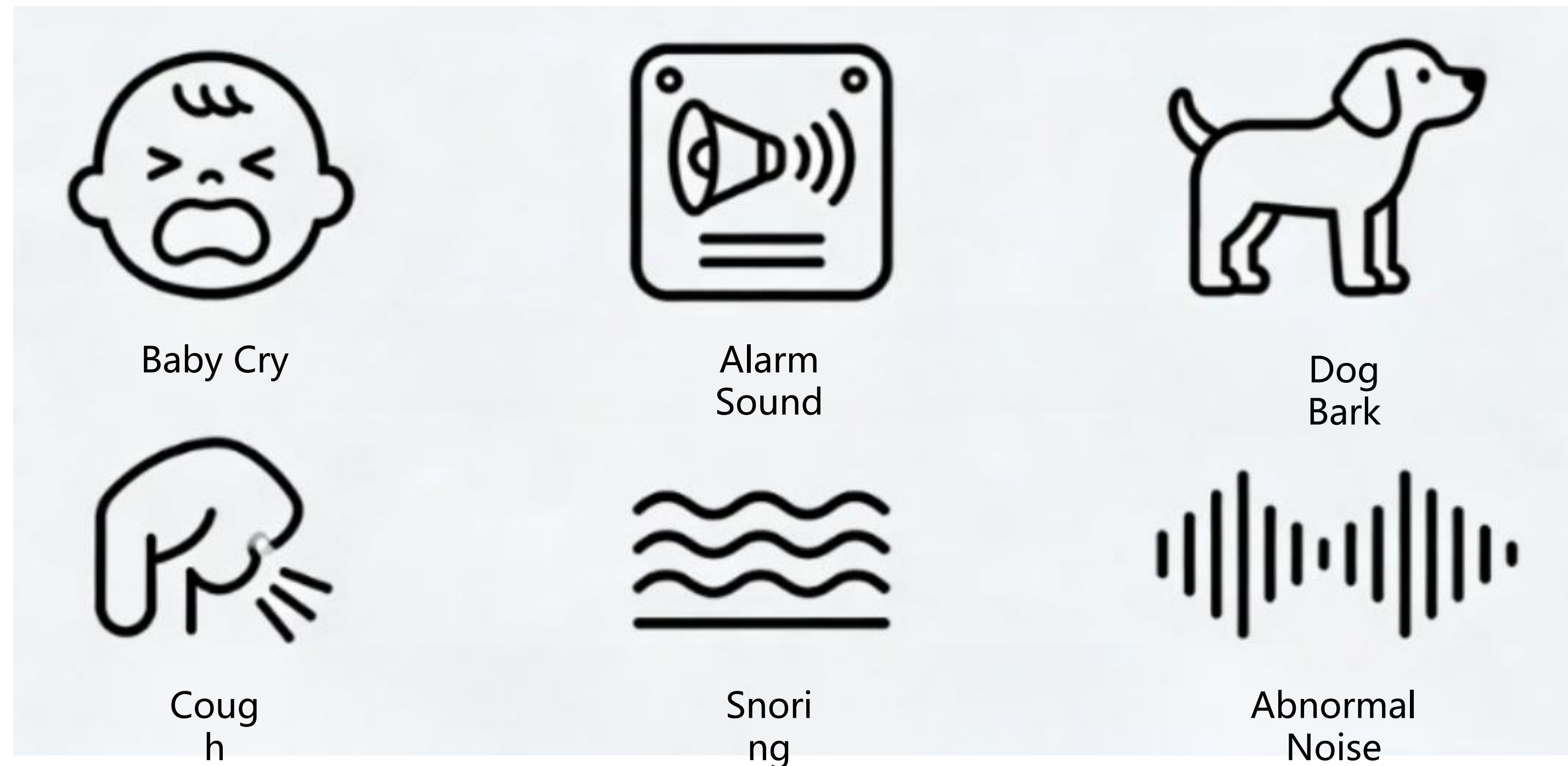


Dynamic Gesture Recognition



Features - The Capabilities of Audio AI

The smart camera G350 also has an upgraded version of abnormal sound detection capabilities, which can identify baby crying, alarm sounds, dog barking, coughing and other sounds.



Features - WiFi 6 dual-band: 4K Transmission

- Protocol support: WiFi6 (802.11ax), 2.4GHz+5GHz dual-band
- 5GHz band: high bandwidth, low latency, 4K video real-time return without jamming
- 2.4 GHz frequency band: strong wall penetration ability, stable connection in complex environment
- Technical advantages: OFDMA+MU-MIMO, multiple devices concurrent without congestion



Features - Dual-mode gateway: Connect to other smart devices

The G350 Smart Camera has Zigbee & Thread dual-mode gateway function, and support Matter protocol, which makes it beyond a single security device to become a powerful smart home connection and control center.

Protocol support: Zigbee Thread dual-mode, compatible with Matter protocol

Hub value: local linkage control, lower latency, more privacy security



Features - Physical Privacy masking

Physical privacy masking: hardware-level absolute security

HomeKit Secure Video and WPA3 are supported, We Do Care About Your Privacy

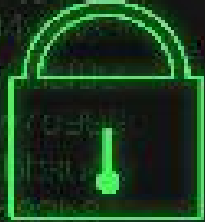
Physical Masking

The G3 Camera Hub has a hardware privacy protection mode that can be turned on manually or automatically. This mode can be easily identified by a cute sleepy face.

Data Encryption and WPA3

The data streams from the camera are encrypted and the latest Wi-Fi security standard WPA3 is supported to further protect your data.

qjpb84h4jh4gg43jg4h
qj4h43h34hwh894
qj4h483hd83hhe
q4h489cj38rx87y7q38h
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q4ajh4h4j37838h
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Security Certification

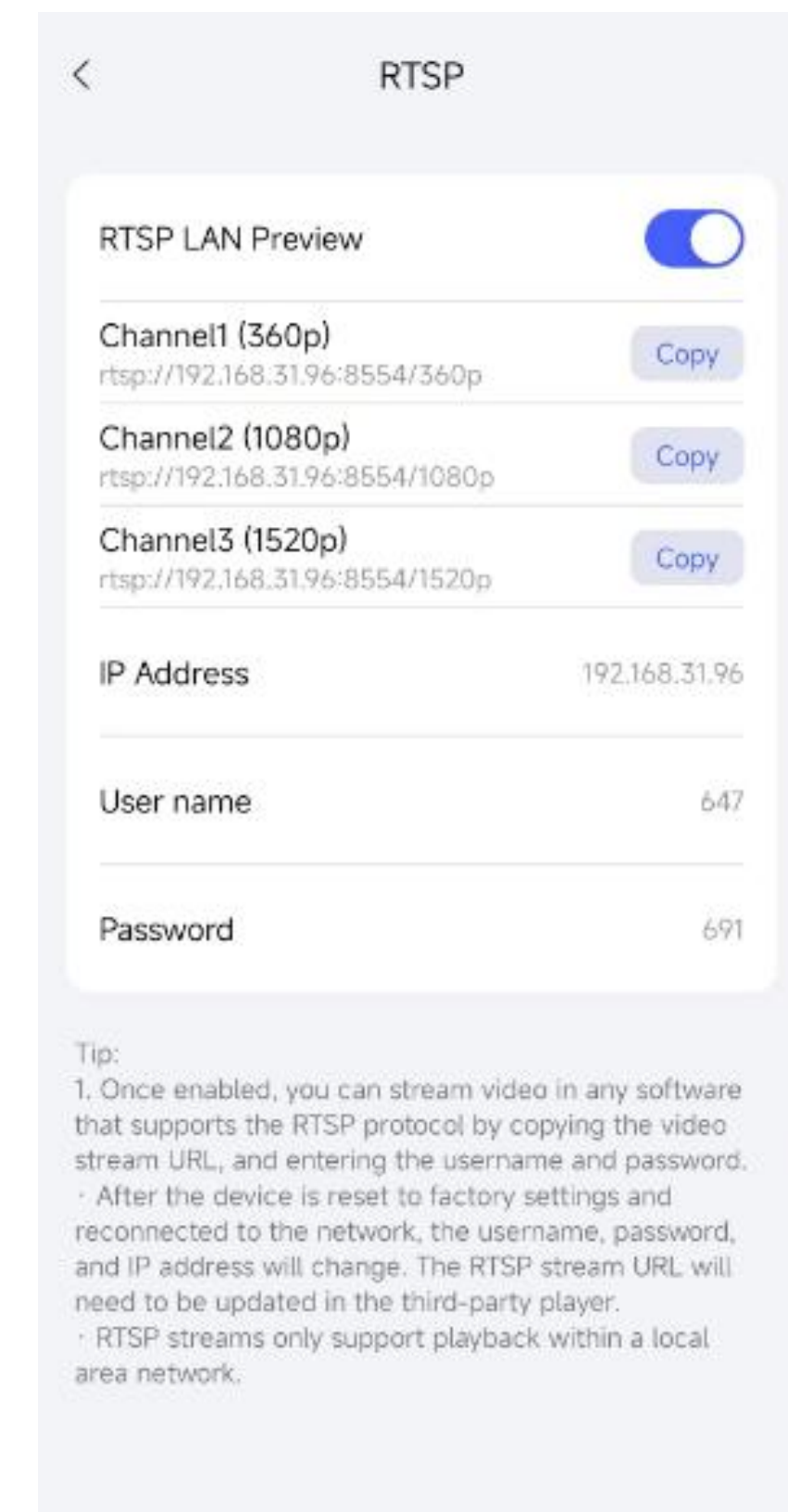
The camera is certified by Apple, Google, and Amazon to meet all the security standards of the system of your choice.





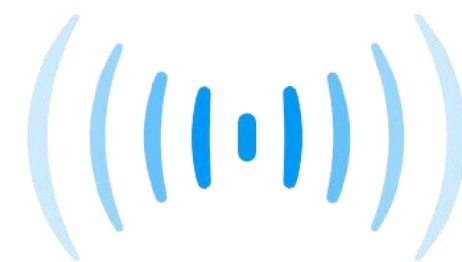
Features - Support RTSP

RTSP is an audio and video streaming protocol, which is widely used in surveillance cameras. After supporting RTSP, G350 camera has the ability to connect audio and video to third-party applications or devices such as VLC player, Home Assistant, NAS server, etc., and different resolutions can distinguish different channels independently, making the DIY attribute of the camera stronger.



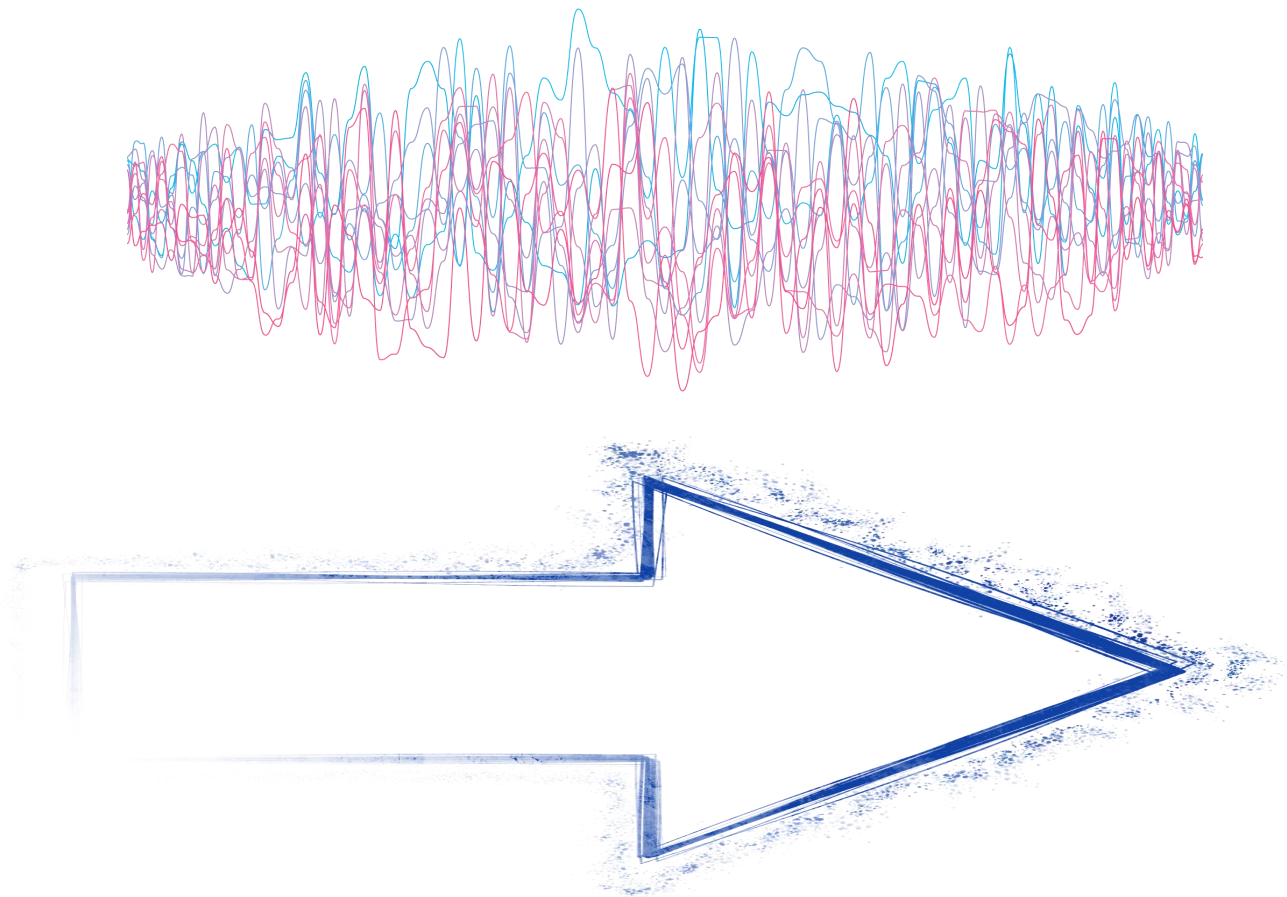
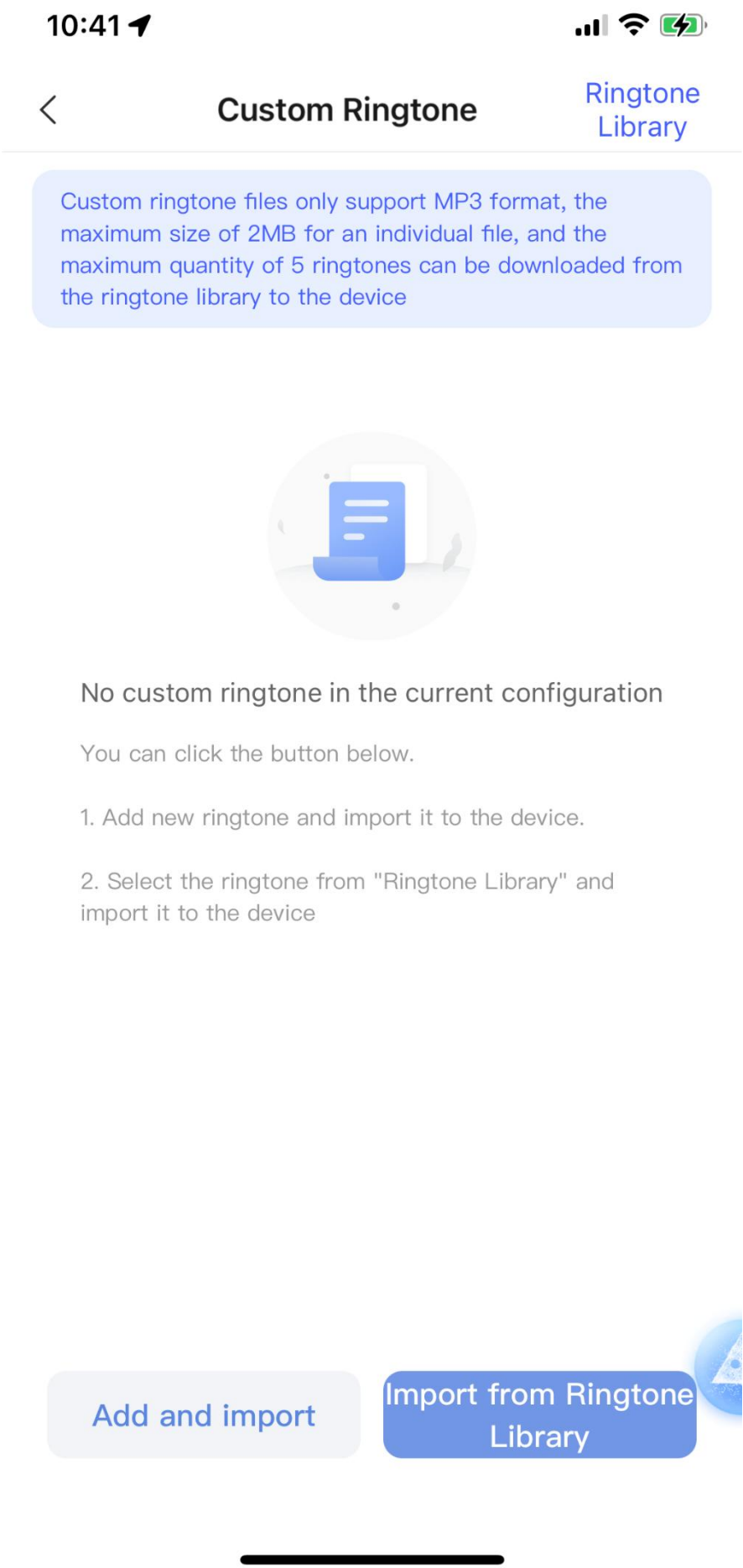
Features - Support NAS

The G350 supports connecting NAS memory to save local data. When the capacity of Micro-SD card is not enough to cache video recording time, you can choose to connect NAS memory to expand local storage space and customize your own dedicated storage space. NAS storage compatibility After several generations of Aqara cameras upgrade, it is now compatible with most NAS storage in the world.



Features - Custom Ringtone Function

G350 inherits the custom ringtone function of Aqara cameras. Users can upload MP3 format ringtone through APP and send them to the camera. They can play specified audio through automatic linkage to complete automatic monitoring and defense in some scenes.

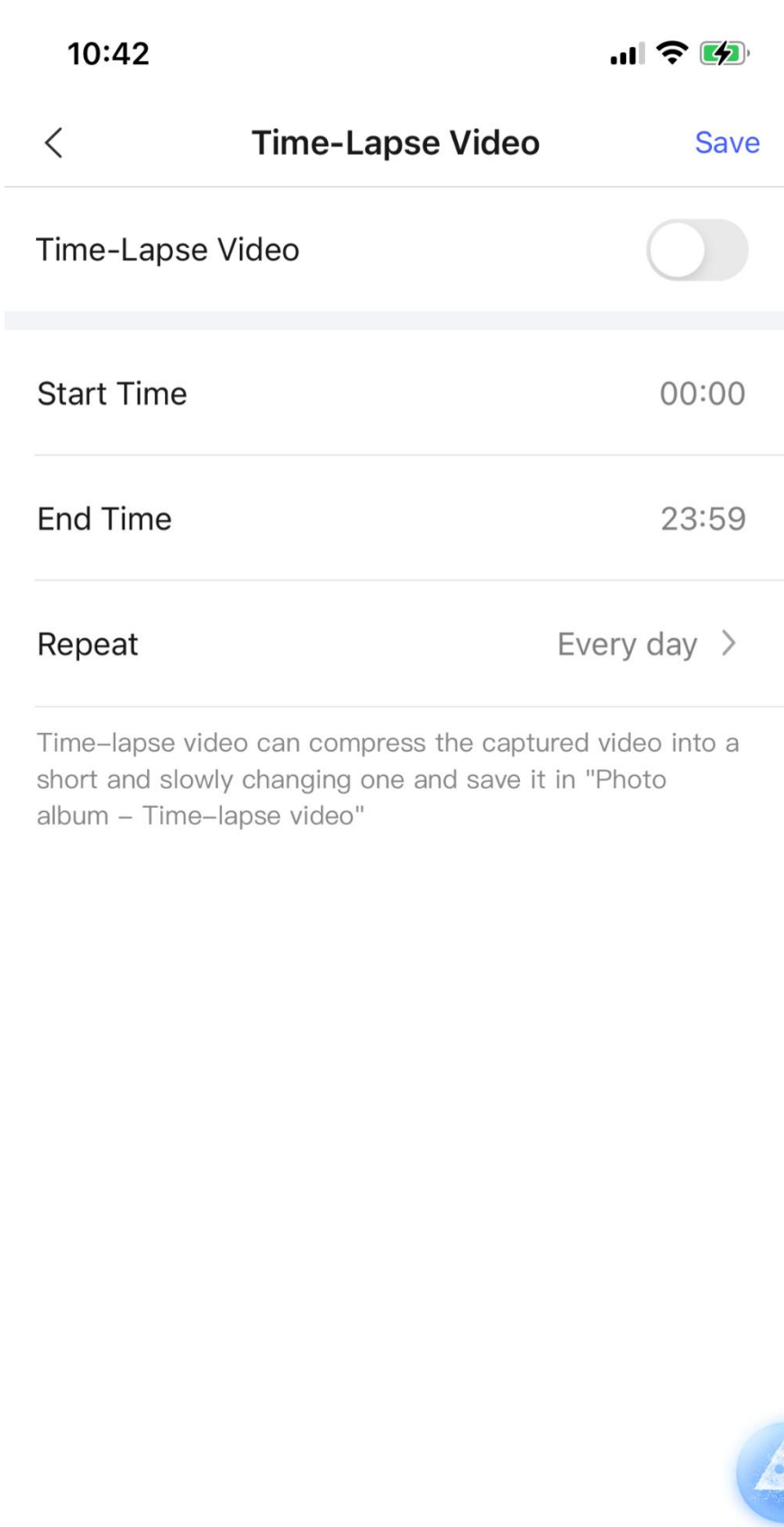


Package guarding,
please don' t touch it.



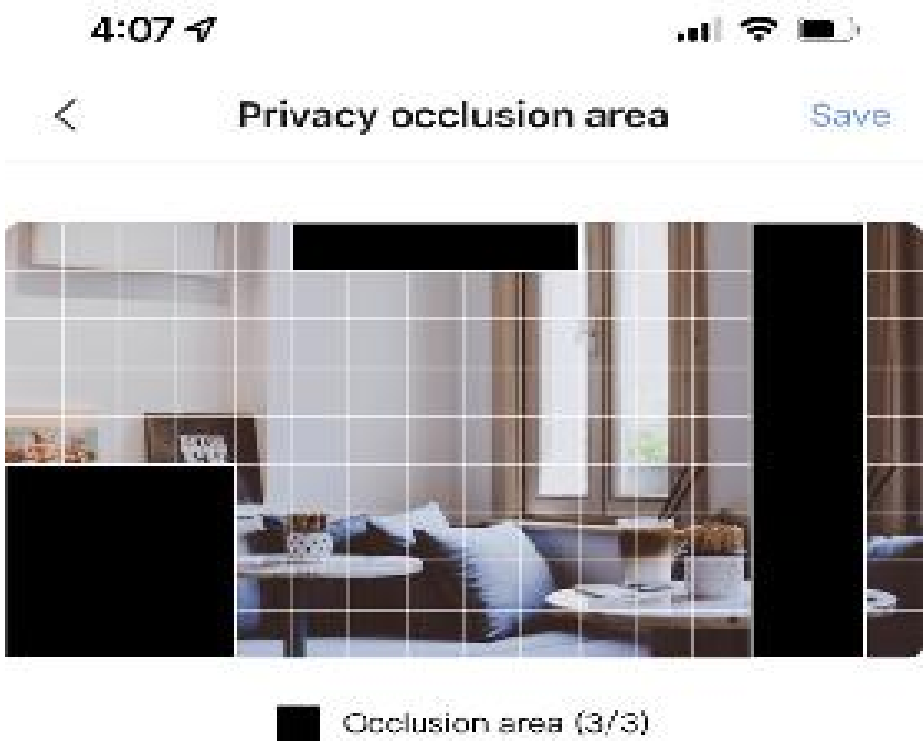
Features - Support Time-lapse

The Smart Camera G350 continues to support the time-lapse photography feature. Users can set specific time periods to compress captured video into a 15-second short video, which is then saved in the album under 'Time-Lapse Photography'. This feature allows the surveillance camera to offer an interesting, professional touch.



Features - Support Privacy Protection

The Smart Camera G350 can set privacy protection for up to three specified areas within the camera's view. Once set, these areas will be obscured in both live and recorded footage, helping to protect the privacy of neighbors.



Operation instructions:

- Hold the grid and drag to select area, and the selected area is the privacy occlusion area;
- Click the selected area to cancel the selection;
- After setting the occlusion area, it cannot be seen from the video screen and will not trigger events (motion detection is not affected);



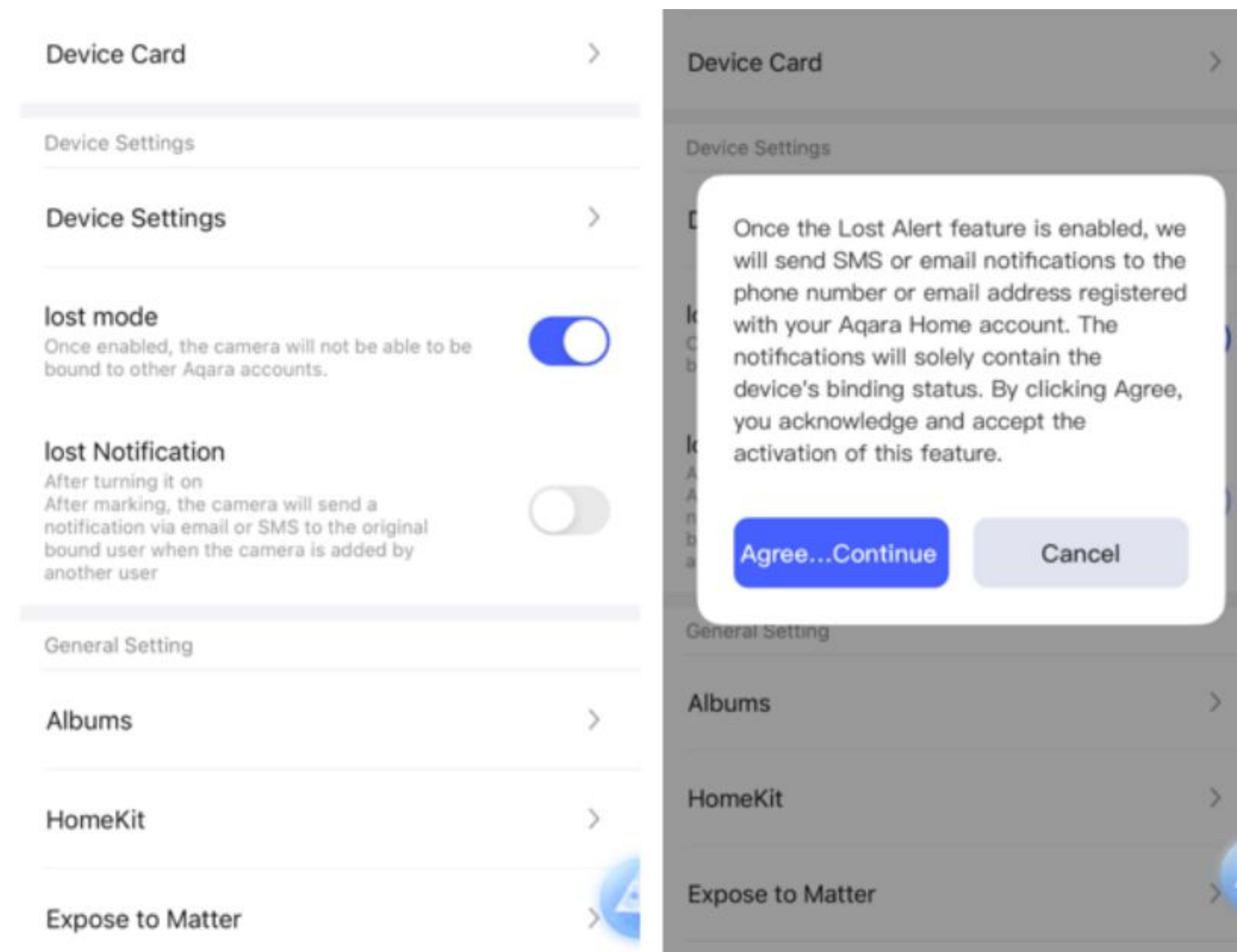
Before Mask



After Mask

Features - Prevent Loss Mode

As same as Aqara's outdoor camera G5 Pro, the G350 Camera also supports the "Lost Mode" function. When this mode is activated, the device cannot be unbound by quickly pressing the function button ten times. This mode is designed to prevent unauthorized use of the device if it is stolen. If "Lost Mode" is not deactivated by the user, the device cannot be bound to another Aqara account.



Features - Support audio and video interconnection

Support audio and video interconnection with Aqara S1 Plus Panel.



Features - Wide Compatibility

The Smart Camera G350 supports connectivity with a wide range of third-party ecosystems. In addition to traditional platforms like Apple HomeKit, Google (International version), and Alexa (International version), it now also supports Samsung SmartThings (International version) and the Home Assistant platform. This expansion enhances its versatility and integration capabilities with various smart home systems.



Works with
Apple Home



works with
Google Home

works with | **alexa**



Home Assistant



Works with
Samsung SmartThings

Works with
IFTTT

Product Specification



Model	CH-C05D
Dimensions	123×85×68 mm (3.98×2.89×3.88 in.)
Resolution	3840 × 2160 (Wide-Angle Lens), 2560 × 1440 (Telephoto Lens)
Field of View (Diagonal)	F1.6,2.8mm, field angle ≥130°
Focal Length	2.8 mm (Wide-Angle Lens), 8 mm (Telephoto Lens)
Aperture	f/1.6
Frame Rate	20 fps
Video Codec	H.264
DDR	4Gbits (external)
FLASH	256MB
Infrared Lamp	940nm
Photosensitive Sensor	0-3Lux for black and white state, 5-8Lux for color state, 3-5Lux to maintain the previous state
MIC	Digital microphone, sensitivity ≥ -26dB
Loudspeaker	Power more than 2w, frequency response range 20-20KHz, when playing 1KHz audio, loudness ≥95db at a distance of 0.1 m directly in front of the speaker
Function Button	A function button, used to restore network parameters, restore factory settings, eliminate alarms and other functions
Local Storage	MicroSD card (not included). CLASS 10 or above is supported, up to 512GB storage.
Wireless Protocols	Wi-Fi IEEE 802.11 a/b/g/n/ac/ax 2.4/5 GHz, Zigbee/Thread IEEE 802.15.4, Bluetooth
Pan-Tilt	Horizontal 340°, vertical 39° (up 24°, down 15°), support lens physical occlusion
Power Supply	Adapters (5V/2A) , supporting type-C data communication
Operating Temperature	-10°C~45°C (-0.4°F~ 122°F)
Operating Humidity	0~95% RH, no condensation
What is in the Box	Camera Hub G350 × 1, User Manual × 2, USB-C to USB-A Cable × 1

G350 is the same as G3 that are both camera hubs, which provide a richer AI feature and a upgrade on the hardware.

Item	G350	G3
Video Specifications	FOV:133°, Resolution 4K	FOV:110°, Resolution 2K
Zoom Capability	Optical zoom, auto zoom, manual zoom	Digital zoom, manual zoom
Wi-Fi	2.4 & 5GHz Dual band WiFi6	2.4 & 5GHz Dual band WiFi5
Hub Feature	Zigbee Thread Dual Mode Gateway	Zigbee gateway
PTZ Feature	Auto Zoom, Smart Tracking	Mobile tracking
Lens	F1.6	F2.0
Vision Algorithms	Face, smiley face, human, pet, occlusion, gesture (static dynamic)	Face, Human, Pet, Gesture (Static)
Audio Algorithms	Crying, barking, coughing, alarm, snoring, abnormal sound	Abnormal sound
Presetting Bit	Panorama	Portion
Third-party Platform	HomeKit, Alexa, Google, Home Assistant, Smarththing, Matter	HomeKit、Alexa、Google、smarththing
Storage Feature	NAS, cloud storage, SD card	NAS, cloud storage, SD card
RTSP	Support	Not Support

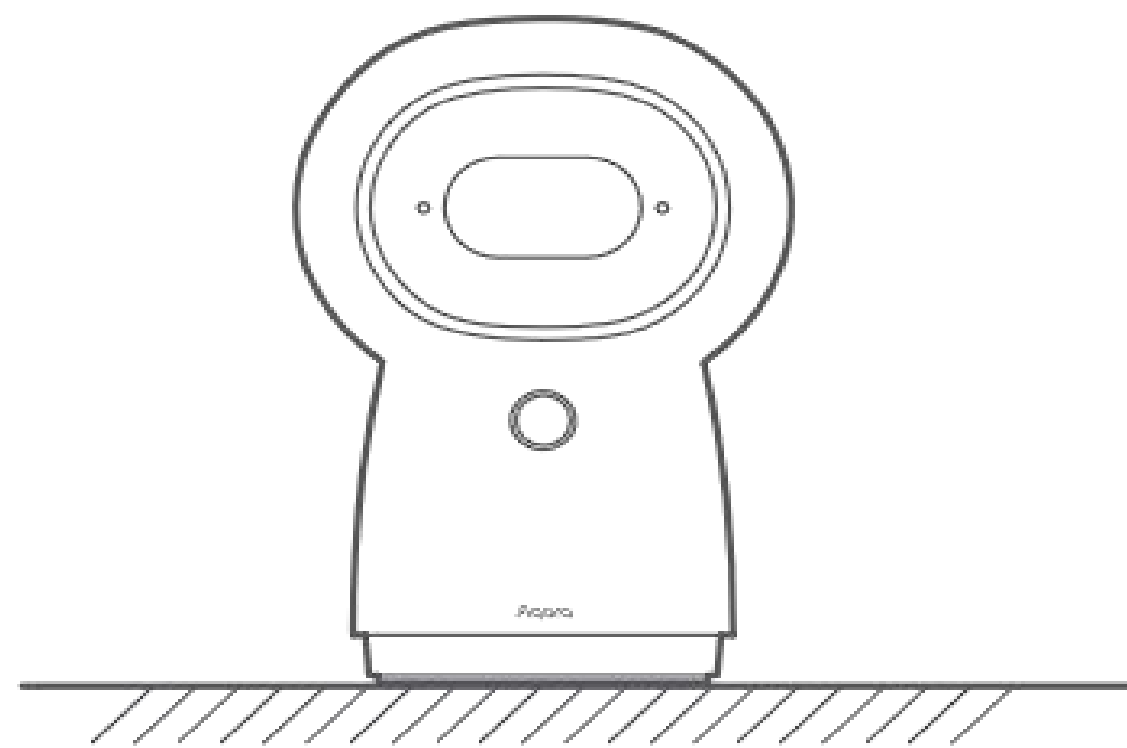
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Product Introduction

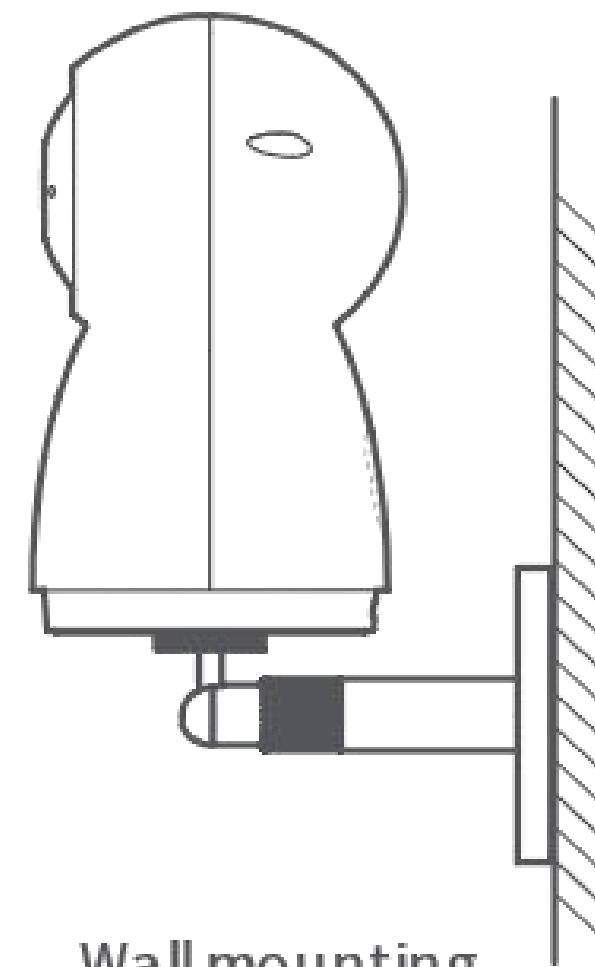
Product Installation

Product Installation

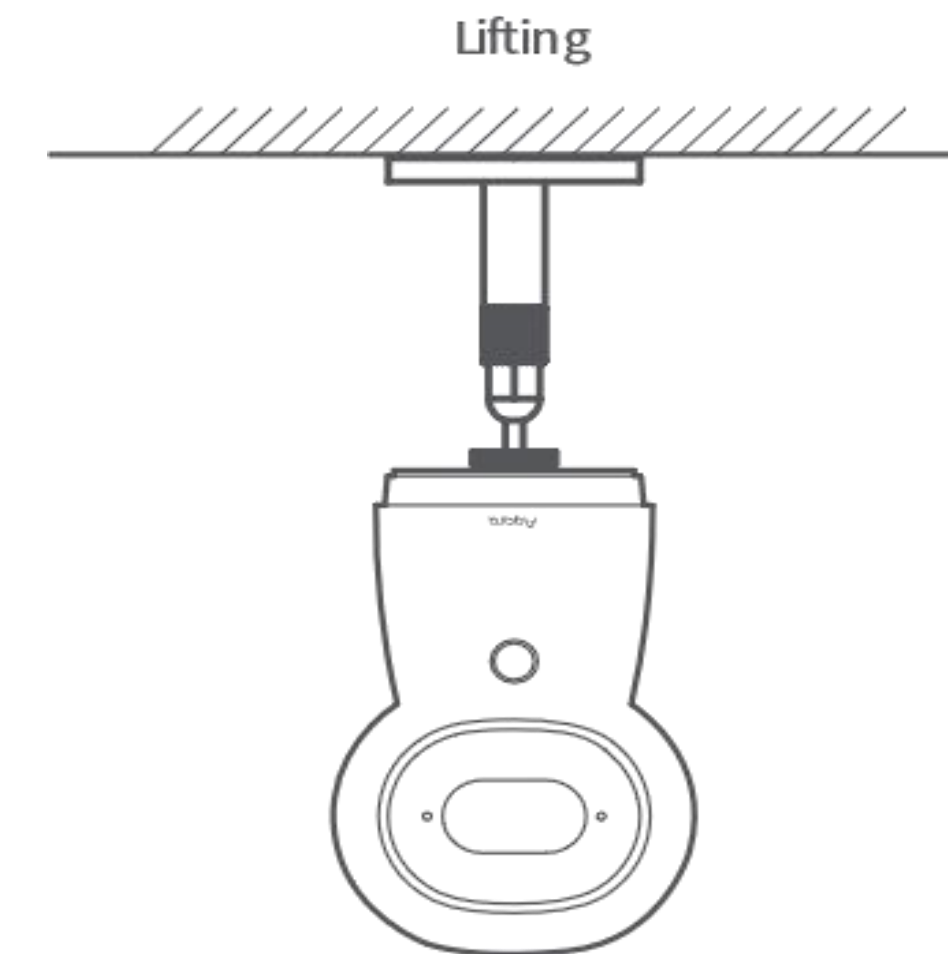
G350 supports three installation methods: flat, wall and ceiling installation. Note that before installing on the wall or ceiling, you need to complete the network configuration of the equipment.



Flatwise



Wall mounting



Note:

- * The camera should be placed within the range of wireless Wi-Fi signal coverage.
- * Do not place it near a strong electromagnetic interference source.
- * Avoid a direct light source to camera lens at close range.
- * Make sure there are no obstructions around the device.
- * This product is only for indoor use.

1. The packaging box of this product does not contain a bracket. But does support a 1/4-inch threaded screw. If wall mounting or lifting is required, the bracket or any other threaded screw-compatible mount shall be purchased separately.
2. Please ensure that the camera is successfully added to the APP before mounting on the wall. Install the TF card when the device is powered off.
3. The camera can be placed on a writing desk, dining room table, bookcase, coffee table or other horizontal surfaces.
4. After mounting the camera in the lifting position, the image needs to be flipped in the Aqara Home app to be viewed normally.

Product Installation

Aqara



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THANK YOU