



Aqara Camera G100

continuous connection

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- **Product Installation**

Product Overview

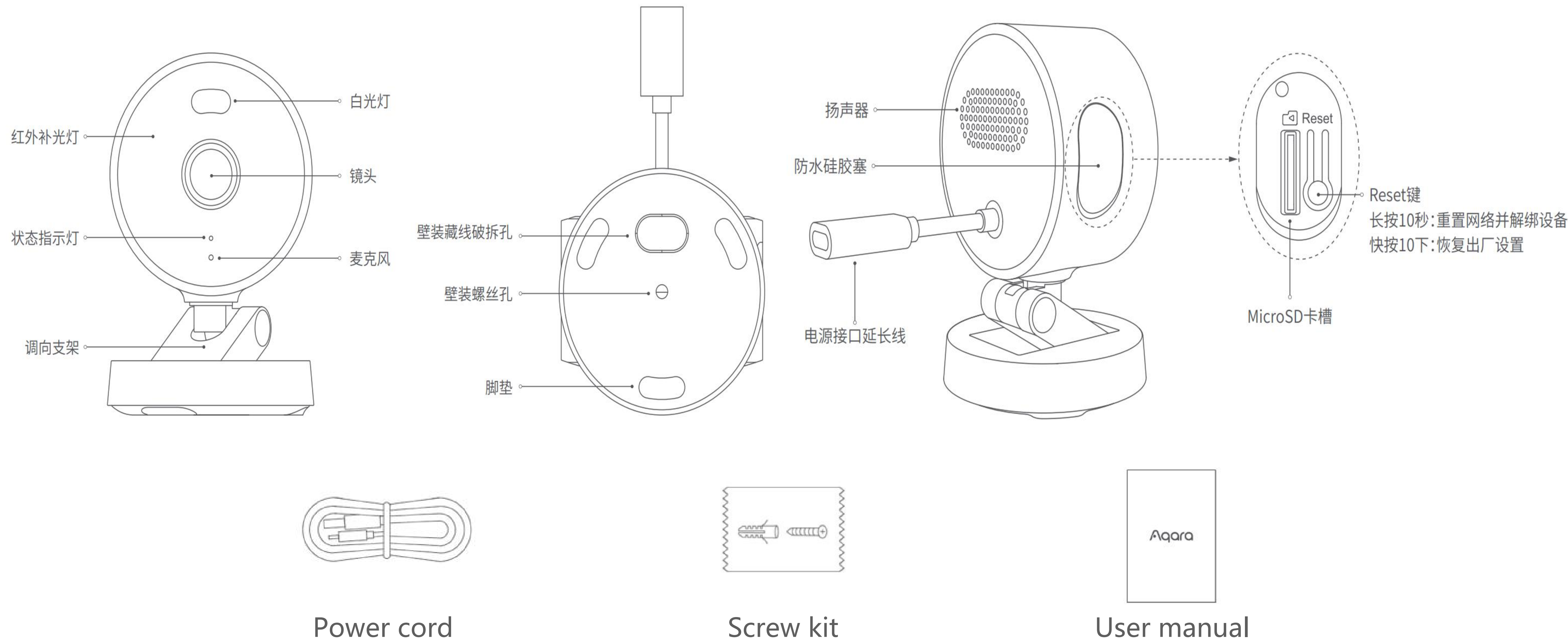
Smart Camera G100 is a card-type camera product supporting all-weather environment. The video resolution is 3 million pixels. It is equipped with a wide-angle lens with FOV of 140° (diagonal). It has two night vision modes: black and white and full color. The black and white night vision adopts 6 940nm non-red infrared fill light. After turning on the visible light fill light, it can stably output color images at night. Wireless connectivity supports 2.4GHz Wi-Fi6 networking and Micro SD card local video storage. G100 supports mobile detection and human recognition, and supports custom ringtones, RTSP streaming and NAS transfer. The product protection level supports IP65 waterproof and dust-proof, can be used in -10°C~+40°C environment, and supports access to HomeKit, Smartthings and other third-party ecological use.



The product contains two colors: black and white

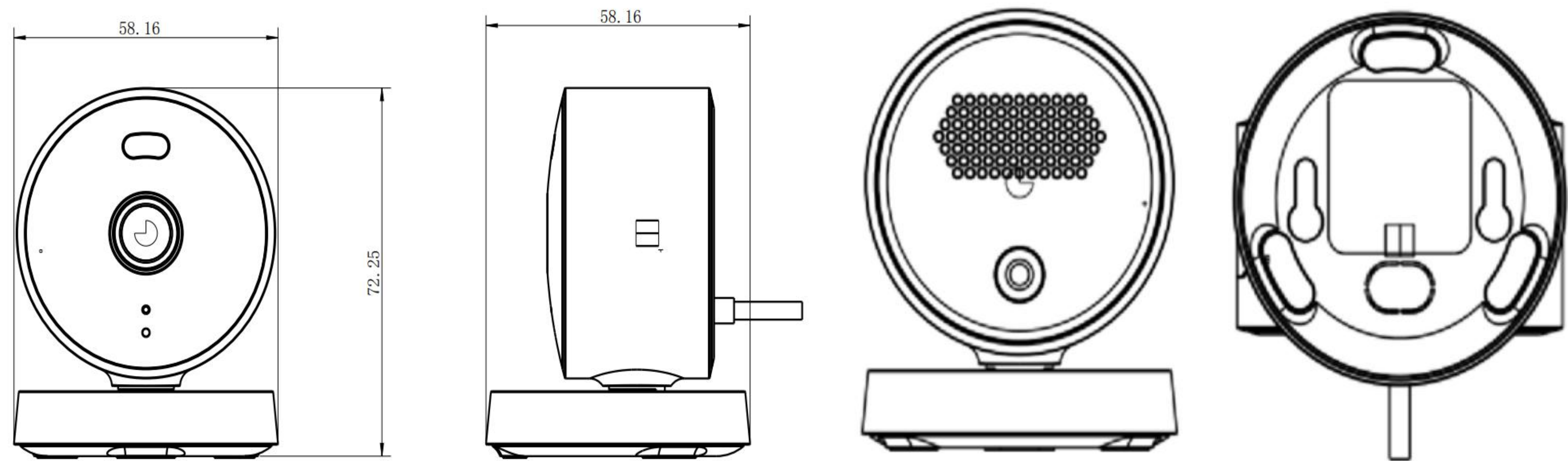
Product Overview

G100 **supports IP65 waterproof and dust-proof**. It is an **indoor and outdoor universal** camera product. The difference between the appearance and the previous camera is that the **type-C power port is** changed from the built-in mode of the product body to an **external extension cable**.



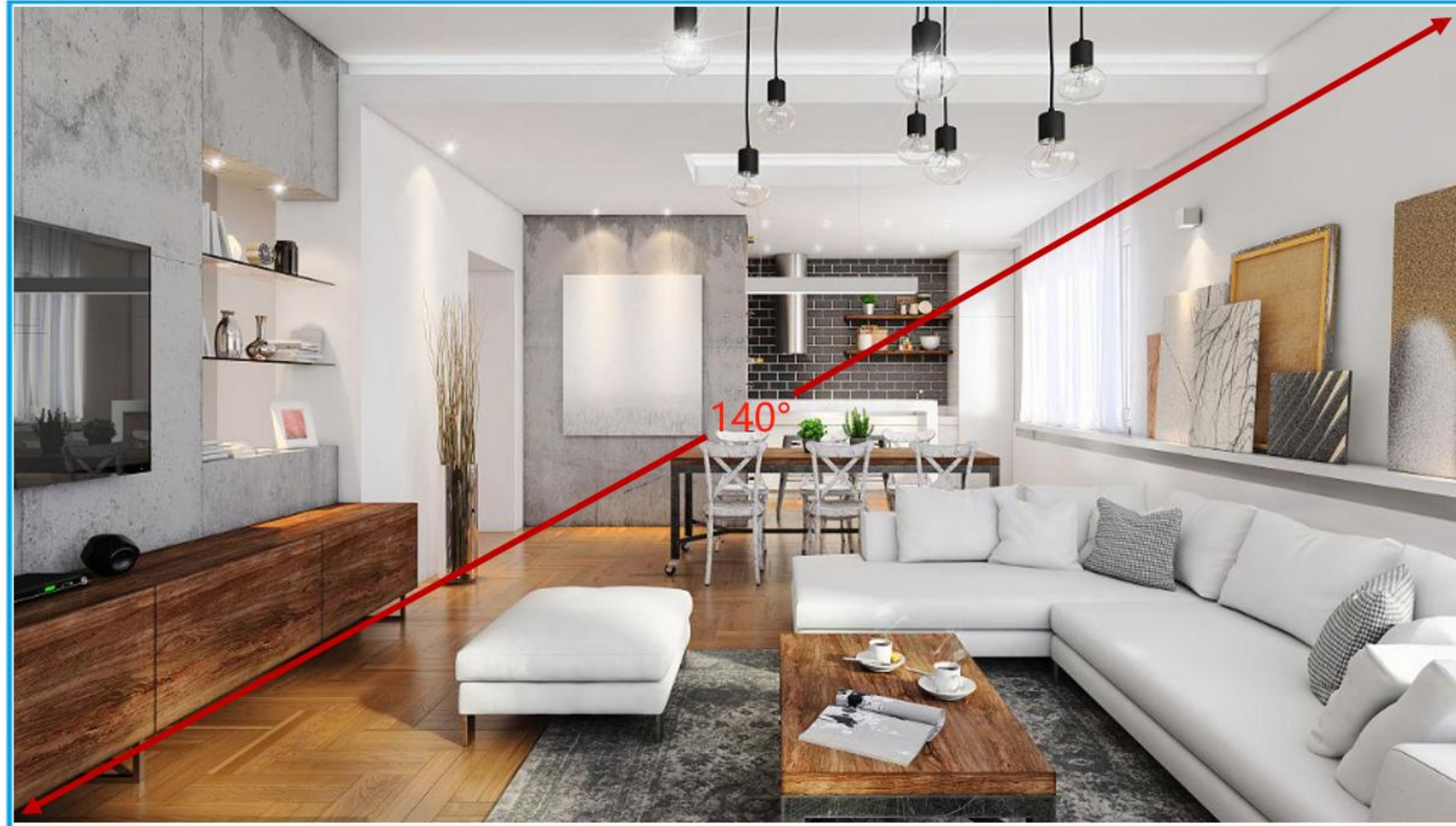
Product Overview

The G100 has a small size. Compared with the G5 Pro, it is an ultra-small outdoor camera product with a folding height of only 72 mm.



Product Overview

The smart camera G100 has 2K resolution (2304×1296), a field angle of 140° (diagonal) and a lens aperture of f/1.8.



16:9 frame, horizontal 118°, vertical 62.8°

Features - Night Vision Mode

G100 supports black and white and full color dual night vision modes. The two functions are mutually exclusive, that is, full-color night vision cannot be experienced when infrared night vision is turned on; infrared night vision cannot be experienced when full-color night vision is turned on. The full-color night vision of G100 is warm and full-color, which is compared with the black light and full-color of G5 Pro. It is necessary to turn on the fill light at night to enable the full-color function. It is recommended to use this mode when installing outdoors.



Day time

Infrared night vision

Full-color night vision

Features - Night Vision Mode

G100 uses two LED white lights with power of 1W each,color temperature value: 4000K, luminous angle: 120°, the overall luminous effect is white light state, higher color temperature value than G5 Pro's fill light, closer to sunshine effect.

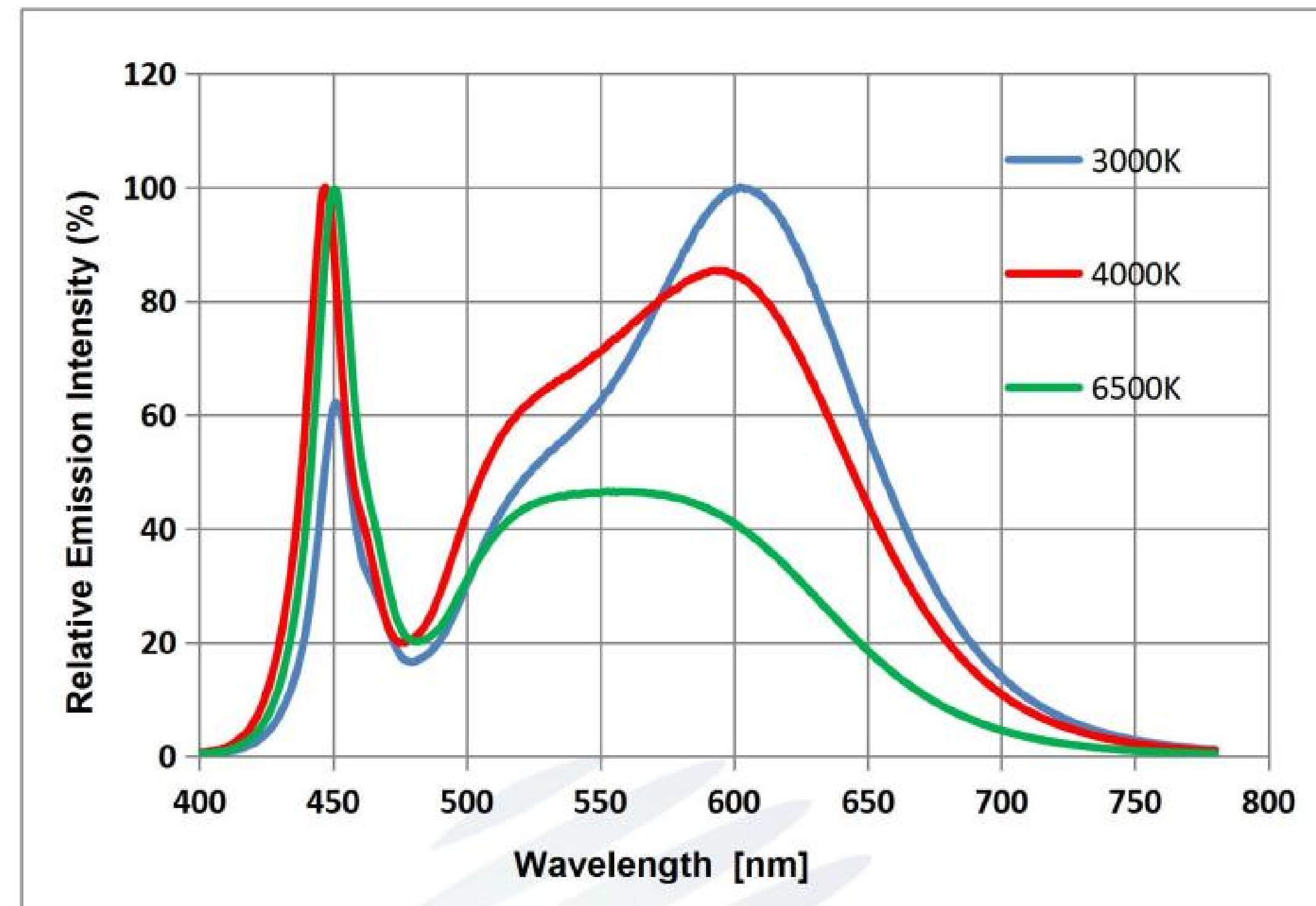


Fig 1-13 Spectrum Distribution光谱分布特性曲线

Features - Support RTSP

RTSP is an audio and video streaming protocol, which is widely used in surveillance cameras. After supporting RTSP, G100 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.



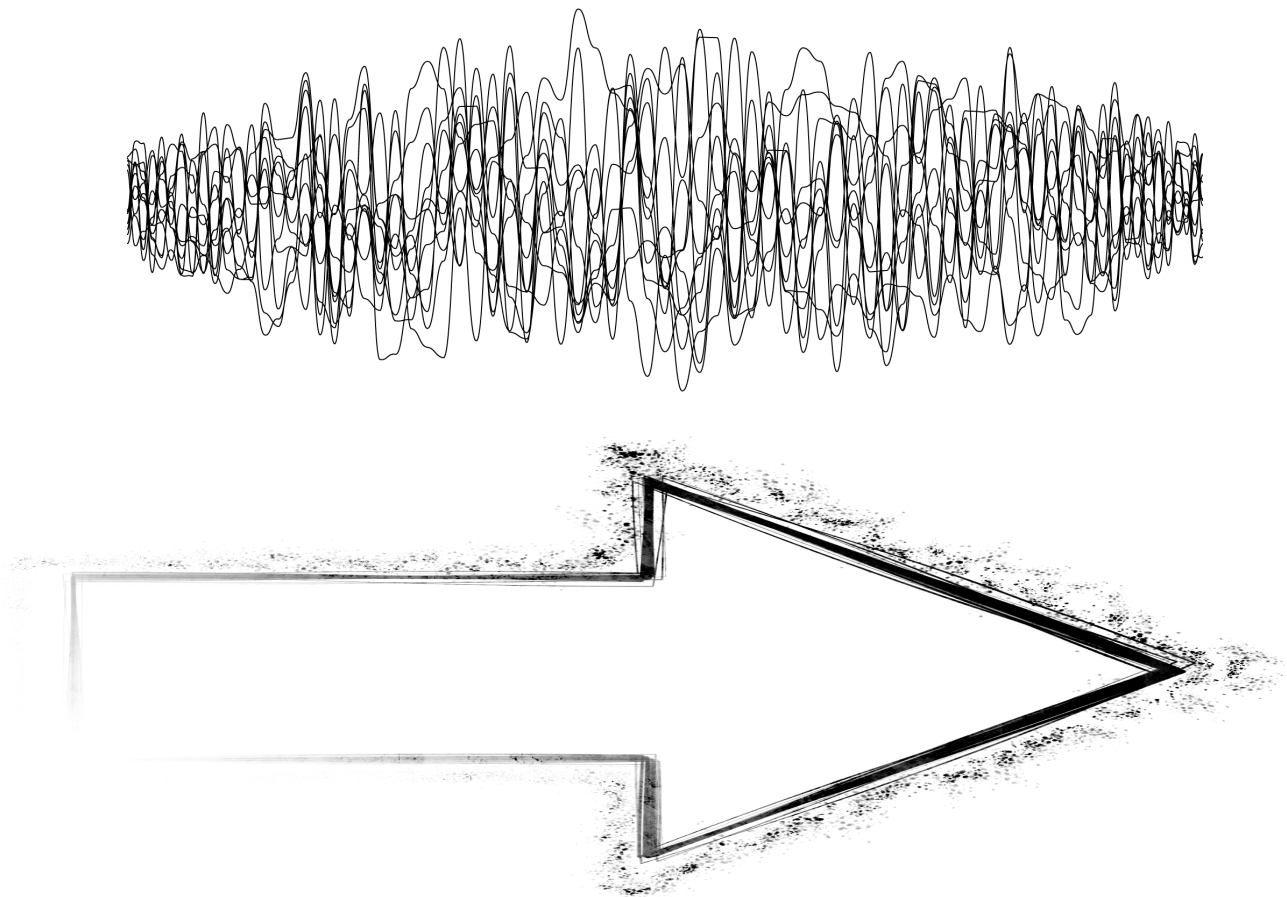
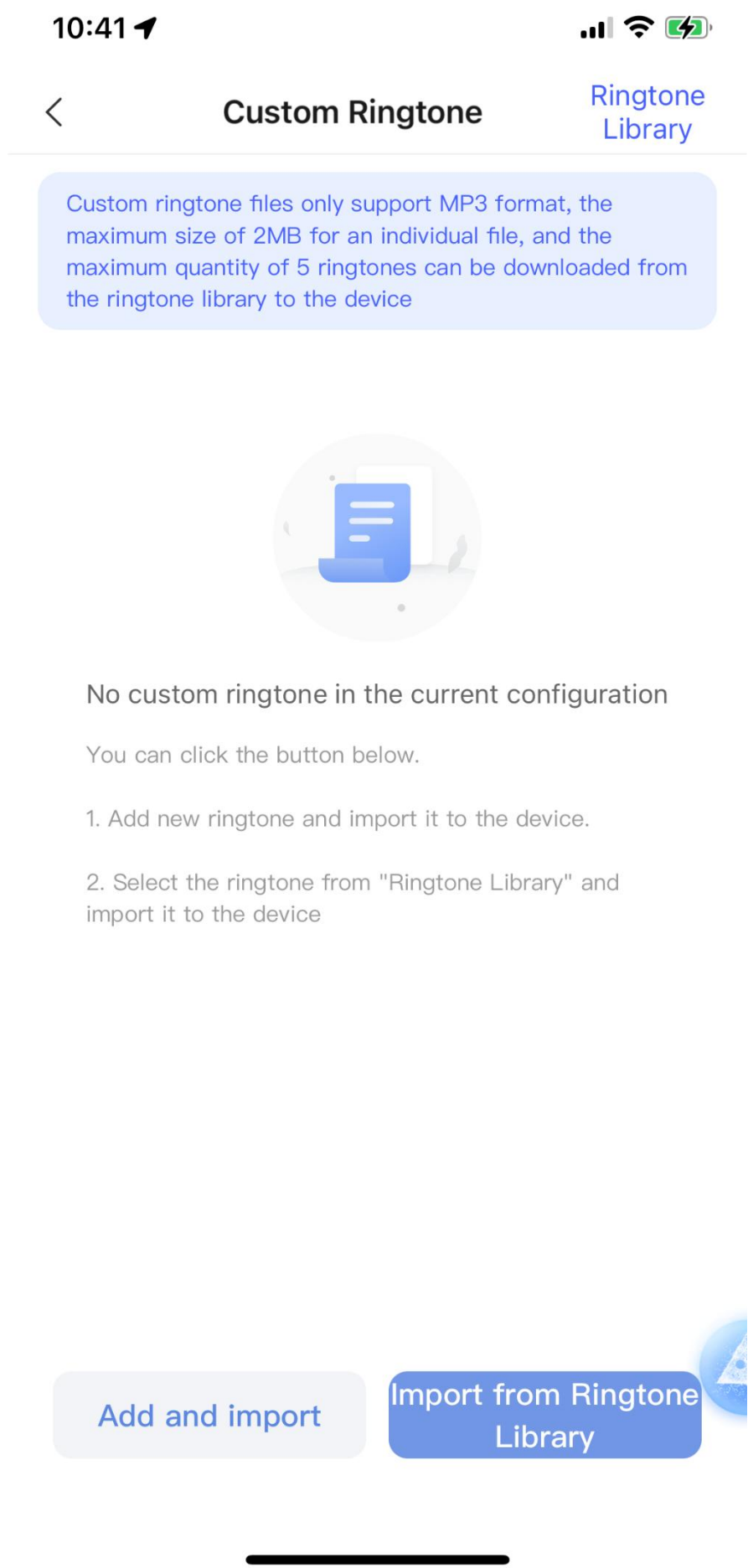
Features - Support RTSP

The G100 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 iteratively upgraded, it is now compatible with most NAS storage in the world.

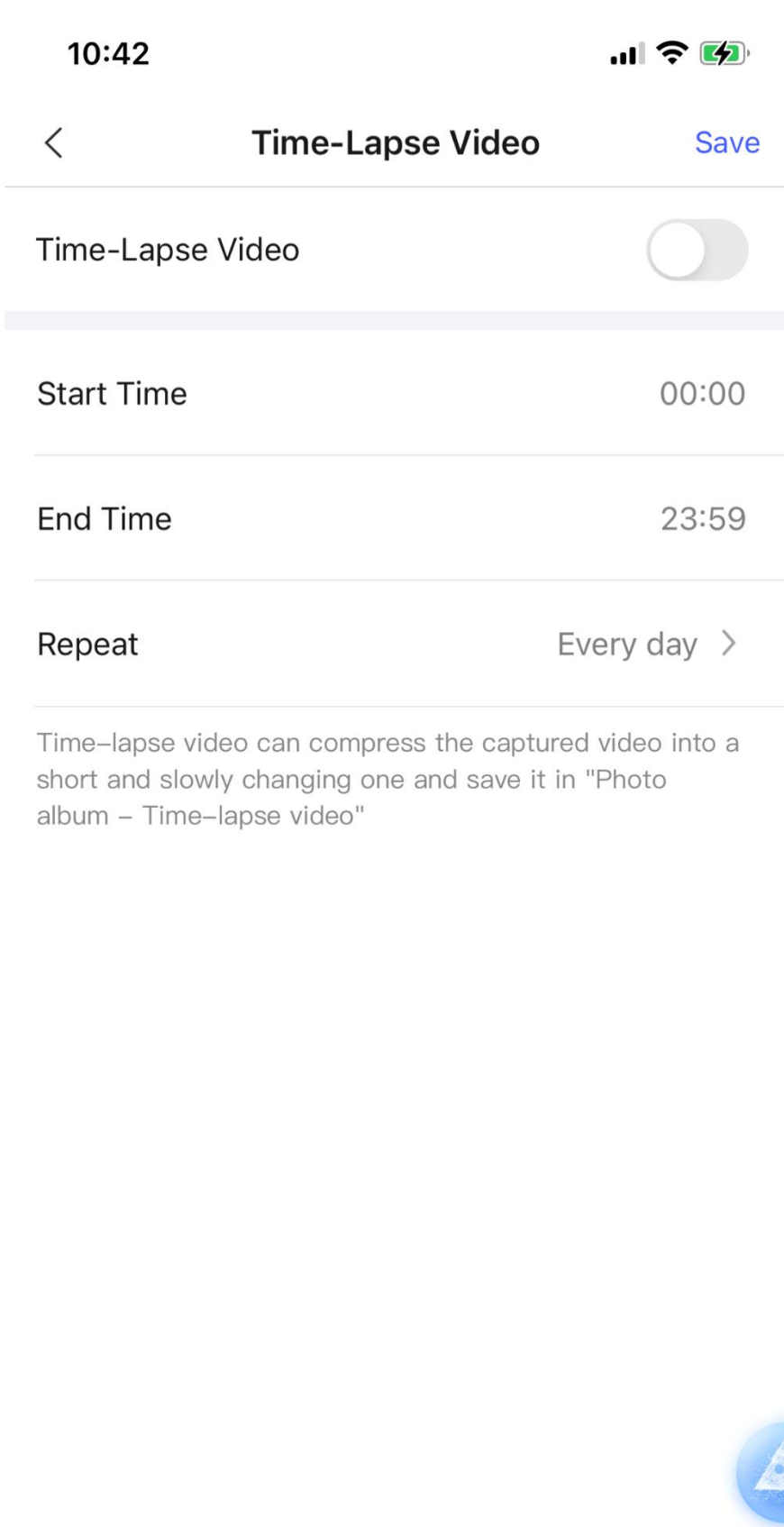


Features - Custom ringtone function

G100 inherits the custom ringtone function of Aqara cameras. Users can upload MP3 format ringtones 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.

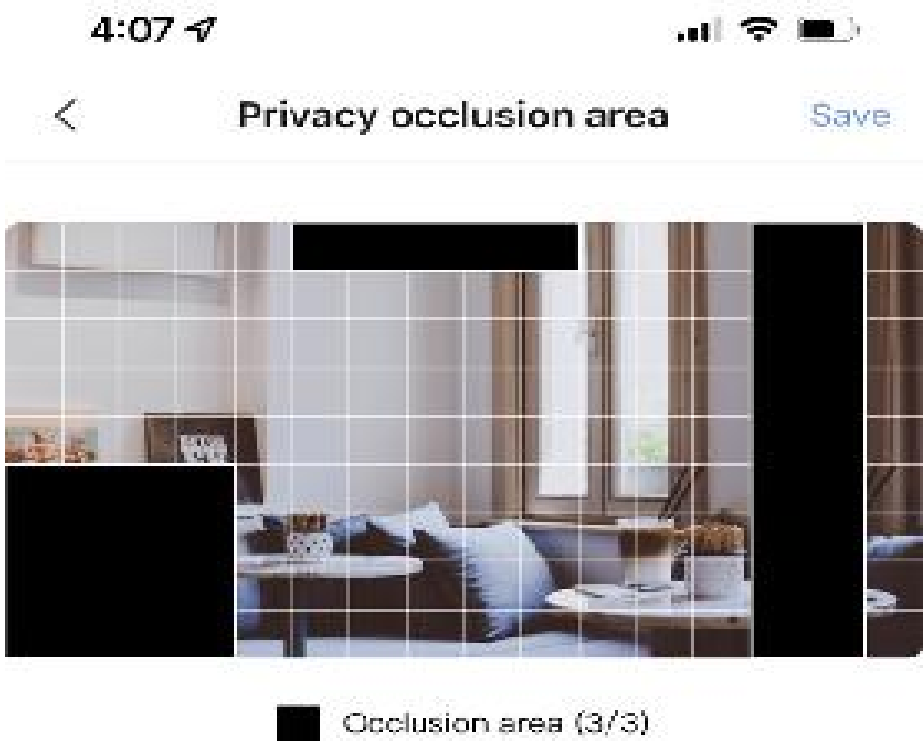


The Smart Camera G100 continues to support the time-lapse photography feature. Users can set specific time periods to compress captured video into a 15-second short video, which is then saved in the album under 'Time-Lapse Photography'. This feature allows the surveillance camera to offer an interesting, professional touch.



Features - Support RTSP

The Smart Camera G100 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);



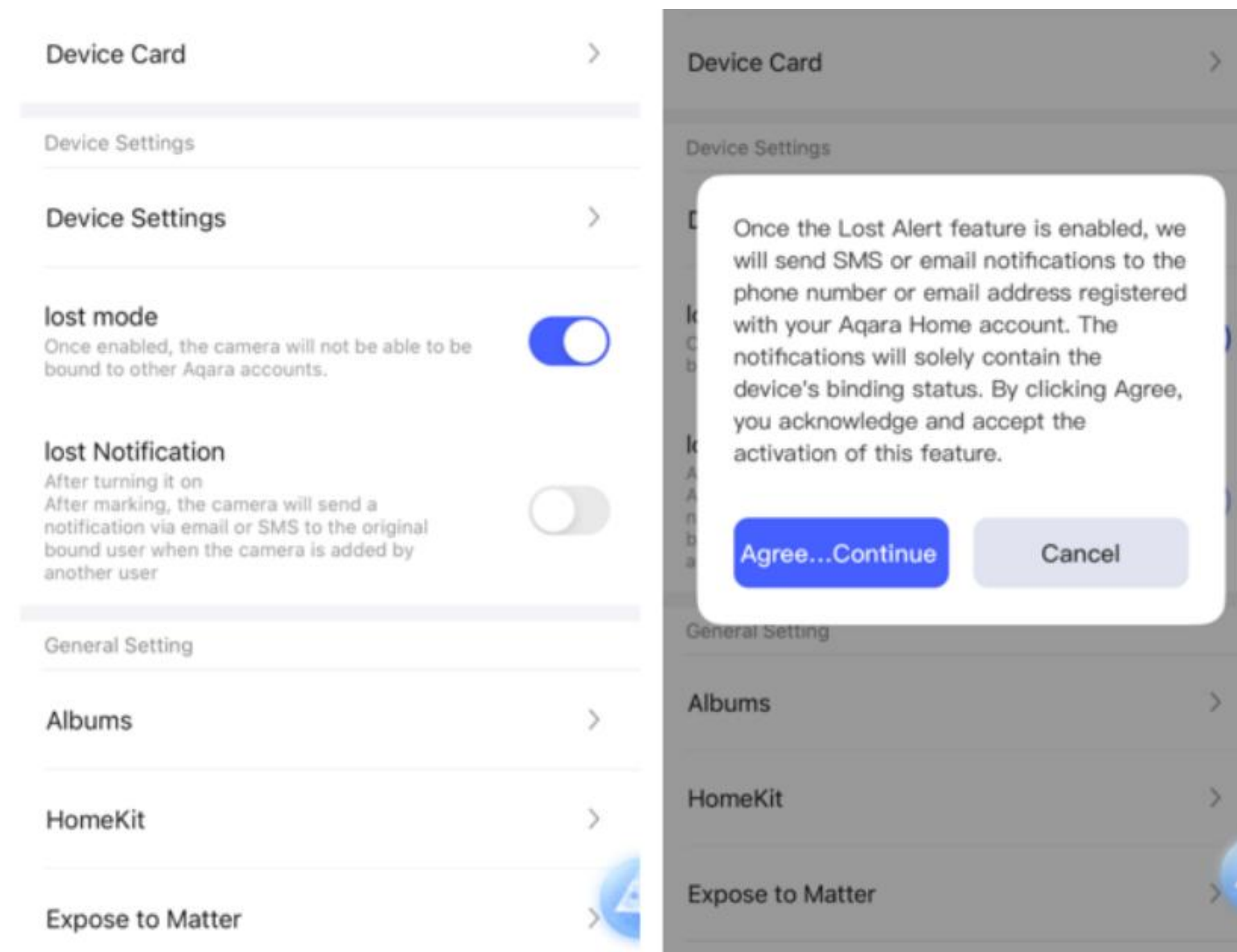
Before Mask



After Mask

Features - Prevent Loss Mode

As same as Aqara's outdoor camera G5 Pro, the G100 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 RTSP

Support audio and video interconnection with S1 Plus Panel.



Features - Wide Compatibility

The Smart Camera G100 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 | The Alexa logo, featuring the word "alexa" in blue lowercase letters with a blue curved arrow underneath.



Home Assistant



Works with
Samsung SmartThings

Works with
IFTTT

Selling Point

HD video: 3 million pixels, 16:9 aspect ratio, 140° (diagonal) wide-angle field of view;

Night vision mode: 940nm infrared or visible Spotlight fill light, black and white and color night vision mode optional;

Intelligent algorithm: support motion detection and human detection function, do not miss the key events in the screen;

Intelligent linkage: can be associated with other Aqara intelligent devices, recording or broadcasting custom ringtones when events are triggered;

NAS transfer: Local video can be transferred to NAS server through Micro-SD card, increasing video storage time;

Extended functions: support time-lapse photography, RTSP streaming, privacy area occlusion and other practical functions;

Wireless networking: support 2.4GHz Wi-Fi 6 wireless networking, and can be easily and quickly realized through Bluetooth device network;

All-weather use: support IP65 dust-proof and waterproof level, can be used in -10°C ~ +40°C environment;

Multiple installation methods: standard multifunctional bracket, support flat, wall and lifting three ways of use;

HomeKit support: Access to Apple HomeKit and other third-party ecosystems, end-to-end data security encryption, more secure use.

Product Comparison

G100 and G5 Pro are both outdoor cameras, but there are big differences in some main parameters. The overall parameters of G100 lag behind G5 Pro, and the only extra function is to retain infrared night vision mode in addition to full-color night vision.

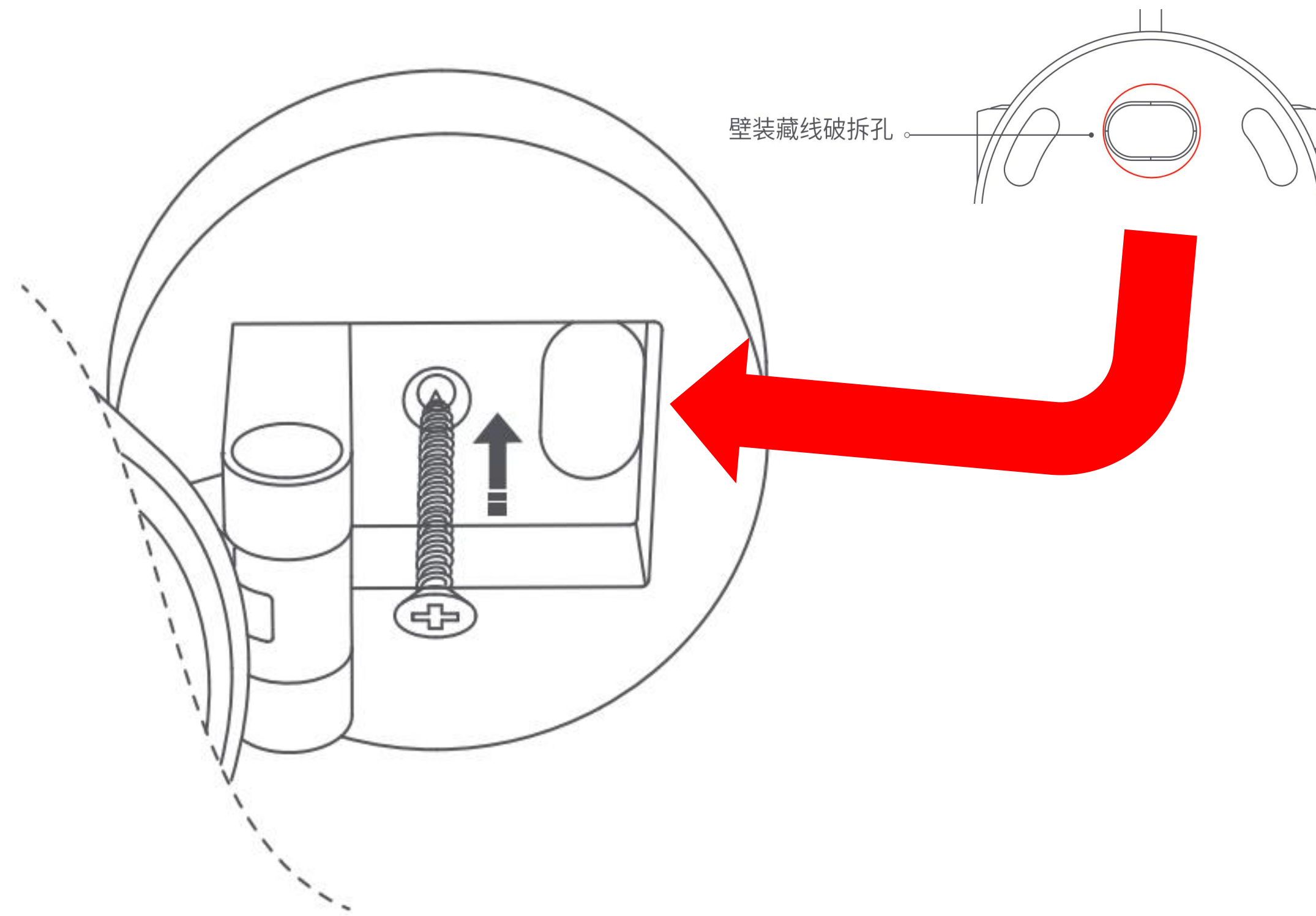
Comparison item	G100	G5 Pro	remark
Definition	3MP/2K	4MP/2.6K	
Lens specifications	FOV: 140°, aperture f/1.8	FOV: 133°, aperture f/1.0	
Hub function	Gateway functionality is not supported	Support dual protocol gateway function	Dual protocols refer to Zigbee and Thread
Loudspeaker	Power: 1.5W	Power: 2W	
Wi-Fi scheme	IEEE 802.11 b/g/n/ax 2.4GHz Wi-Fi 6	IEEE 802.11 a/b/g/n/ac/ax 2.4/5 GHz Wi-Fi	
Fill light	Power 2W, color temperature 4000K, luminous angle 120°	Power 3W, color temperature 3000K, luminous angle 120°	G5 Pro white light color yellow
Night vision mode	IR + Full Color	full-color	G100 's full-color night vision requires turning on the fill light
Local-storage	Support external MicroSD card	Built-in eMMC	
Level of protection	IP65	IP65	
Power specifications	5V [≐] 1A	5V [≐] 2A	
Work environment	-10℃~+40℃	-30℃~+50℃	

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Product Installation

When G100 is installed on wall or ceiling, the tail cable can be inserted by prying open the wall hidden cable hole baffle on the bottom bracket, and the power cable can be hidden in the wall or ceiling to maintain the overall appearance after installation.



Wall and ceiling mounting

Product Installation

G100 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.



1	Heading	Intruder protection when you're not home
	WHEN - Trigger IF - Condition THEN - Action	WHEN Person detected IF the Alert System is in Away mode THEN Turn on the spotlight, play a pre-recorded voice message: "You're being recorded?"
	Description	The camera will start recording, turn on the spotlight and notify a potential intruder to protect your premises when you are not home.
	Devices	Camera G100
2	Heading	Integrated Events Functionality of HomeGuardian
	IF-THEN	WHEN Vibration is detected THEN Record
	Description	With the Integrated Events functionality of HomeGuardian*, the camera can capture relevant events that are detected by the sensors, which will increase the reliability of recording and decrease false alerts
	Devices	Camera G100, Vibration Sensor *Please note: this feature is included in the HomeGuardian subscription plan, 1-month HomeGuardian Basic subscription plan is included with the product
3	Heading	Privacy Mode opens when you arrives at home
	IF-THEN	When A "Welcome Home" scene is triggered in Apple Home THEN G100 switches to Privacy Mode
	Devices	Camera G100 + Apple HomePod
4	Heading	Fully automatic privacy protection
	IF-THEN	WHEN You come home (triggered by Aqara Home geo-fencing) THEN Enable privacy protection (completely disable camera recording)
	Description	No more worrying about your privacy: you can make a simple automation that will prevent Camera G100 from recording when Aqara Home detects that you approach home
	Devices	Camera G100

THANKS