# Aqara

# Camera Hub G2H

# Specifications

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# Contents

## Revision record

| Revision | Revision Content | Revised by | Revised on |
|:---:|:---|:---:|:---:|
| V1.0 | 1.Initial release | Donie | 2020-7-10 |

# 1.    Product introduction

## 1.1.    Product overview

Aqara Camera Hub G2H is an intelligent hardware product that integrates dual functions of camera and hub. It has functions such as video intercom, motion detection, sound detection, and Micro SD card recording. It can also be used as a Zigbee hub in collaboration with other sensors, controllers and other sub-devices to realize the functions such as home guard, data reporting and smart control. It can support to connect to Apple HomeKit platform, and realize remote control through the Apple "Home" app.

  * This product is designed for indoor use only. Do NOT use in humid environments or outdoors.

## 1.2.    Three views

## 1.3.    Selling points

**Video surveillance:** With WiFi connection, it can make remote video call via app, support motion detection, sound detection, micro SD card recording, leaving video message;

**Hub function**: As a Zigbee hub,it can in collaboration with other sensors, controllers and other sub-devices to realize the functions such as home guard, data reporting and smart control.

**HomeKit platform connection**: When connected to Apple HomeKit platform, it can realize remote control through the Apple "Home" app.

# 2.  Product parameters

## 2.1.  Product parameters

| Category | Description |
|---|---|
| Brand | Aqara |
| Name | Camera Hub G2H |
| Model | CH-H01 |
| Video pixels | 1080P |
| Size | 82.4×56.5×50.5mm |
| Color | White |
| Material | PC |
| Power adapter | USB power adapter |
| Gross weight | 261g |
| Net weight | 112g |

## 2.2. Electrical parameters

| Category | Description |
|---|---|
| Input voltage | DC5V |
| Input current | 1A |
| Power | 5W(Max) |

## 2.3. Wireless parameters

| Category | Description |
|---|---|
| Wireless connection | Zigbee 3.0 |
| | 2.4 GHz WiFi |
| Wireless standard | IEEE 802.15.4(Zigbee) |
| | IEEE 802.11b/g/n(WiFi) |
| Communication distance | 700m Outdoor(Zigbee) |
| | 100m Outdoor (WiFi) |

## 2.4. Environmental parameters

| Category | Description |
|---|---|

| Operating temperature | -10°~40°C |
|---|---|
| Storage temperature | -20° ~ +55° |
| Operating humidity | 15% to 85% |

# 3.  Product instructions

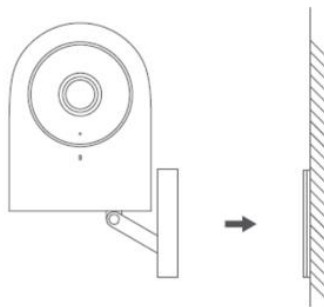## 3.1.  LED status description

| LED | Description |
|---|---|
| Blue | Connected successfully/work normally |
| Blue flashing | Connecting to network/ network is abnormal |
| Red | Starting up/ Live streaming/ recording |
| Red flashing | Waiting for connection |
| off | Sleep mode/the indicator light is off |

## 3.2.  Instructions on button functions

| Button Pressing | Description |
|---|---|
| Press once | Turn off the alarm sound |
| Press for 3s | leave video message |

| press 3 times | Sub device pairing mode |
|---|---|
| press 10 times | Restore factory settings and clear sub devices |

## 3.3. Instructions for installation



* Please make sure the camera is added successfully, and then install it on the wall.

* The base of the camera contains a magnet, which can be attached to the surface of ferrous material, such as refrigerator, iron door and so on.

* Do not place it near the main unit of the computer or hard disc。

* Please make sure the installation position within the coverage range of the Wi-Fi.

* Do not place it near strong electromagnetic interference sources

* Please make sure there is no obstacle around the device.

* Can use 3M double-side tape to attach the magnet to the surface of smooth materials, such as glass, tile, latex wall and so on, and then attract the camera to the magnet。

## 3.4. Usage Instructions

### Connect to Aqara Home

Open Aqara Home App, and click "+" on the upper corner of the homepage. Select "Smart Camera G2H", and operate it as the App prompts. After the device is

connected successfully, the blue indicator light will be always on.

If the device failed to be added, please check the following steps:

* Please make sure the camera is connected with the 2.4GHz Wi-Fi network;

* Wi-Fi name or password may contain special characters. Please replace them with ordinary characters and try again;

* The camera does not support the WAP/WAP2 Wi-Fi network;

* The camera cannot recognize the QR code generated by the phone. Please make sure the screen of the phone is not less than 4 inches, and can not scan the QR code under back-lighting.

* Please check whether the router turns on the Wi-Fi connection watcher function, which causes the network connection failures;

* Please check whether the router turns on the AP isolation function, which causes the phone can not search the camera within LAN;

* Do not connect it to a bridge network.


## Connect to Apple HomeKit

Open Apple Home App, click "+" on the upper right corner, and then enter the adding accessory page. Scan or manually enter the HomeKit setup code at the bottom of the camera to bind the device to HomeKIt.

Adding HomeKit failures guide:

* "Cannot add accessories". Due to multiple adding failures, the error information of iOS system cache cannot be removed. Please restart the iOS device and reset the camera;

* "The accessory has been added". After restarting the iOS device and reset the camera, you can manually enter the HomeKit setup code and add it again;

* "Can not find the accessory". Please wait for 3 minutes after resetting the camera. You can manually enter the HomeKit setup code and add it again.

* The symbol Works with Apple HomeKit means the accessory is designed for connecting with iPod touch, iPhone or iPad and has passed MFi to meet the Apple function standard. Apple is not responsible for the product operation or the safety of it.

* HomeKit security video recording is available for up to 10 days, and the video is saved in the iCloud. You can view it in the Apple Home app of iPhone, iPad or Mac. Besides, you need 200GB of iCloud storage to support a lens and 2TB of storage to support up to 5 lenses. Video recording does not occupy iCloud storage space.

* The communication between this product and iPhone, iPad, Apple Watch, HomePod or Mac is protected by HomeKit technology.

# 4.    Product test information

## 4.1.    Reliability test and quality test

| Name | Content | Description | Source |
|------|---------|-------------|--------|
| Camera Hub G2H | Drop test | 800mm | Tested by third party |
| | High and low temperature test | -15℃~60℃ | Tested by third party |
| | Aging | 48 hours | Tested by third party |
| | Press times | 100000 times | Tested by Aqara |

| Shell material | RoHS report | Provided by the supplier |
|---|---|---|
| EMC test | ±8KV air discharge<br><br>±4KV contact discharge | Tested by third party |

## 4.2. Verification information

| Category | Description |
|---|---|
| Verification information | FCC ID: 2AKIT-G2H<br><br>IC: 22635-G2H<br><br>EAC、CE、RoHS |