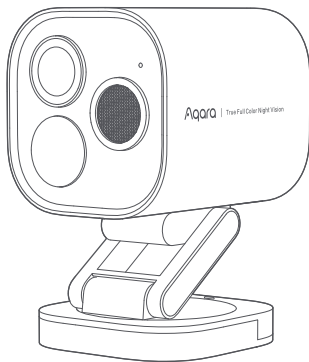




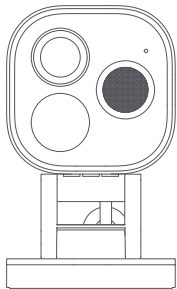
Camera Hub G5 Pro (PoE) User Manual



Product Introduction

Camera Hub G5 Pro (PoE) supports 24/7 all-around use. With a video resolution of over 4 million pixels, a lens with a FOV of 133° (diagonal), a large aperture of F1.0, and a 1/1.8" large-image sensor, it can maintain the output of color images in extremely dark environments. The G5 Pro camera supports PIR motion detection, which can detect whether there are people gathering or lingering within the detection range. It is equipped with a 3000K color temperature spotlight, after being turned on, it can not only improve the success rate of AI recognition in dark environments, but also be used as lighting or sound and light warning. The G5 Pro camera enjoys a variety of AI functions such as human detection, pet detection, package detection, lens occlusion detection, face recognition, vehicle recognition, etc. It also boasts Zigbee hub feature, PoE and USB-C external power supply. The product is waterproof, suitable for use in environments from -30°C to +50°C (-22°F ~ 122°F), making it a versatile monitoring product.

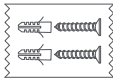
What is in the Box



Camera Hub G5 Pro (PoE) × 1



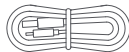
User Manual × 1



Wall Screws
(M3 × 20mm, self-tapping)
Anchors Kit (32mm) × 1



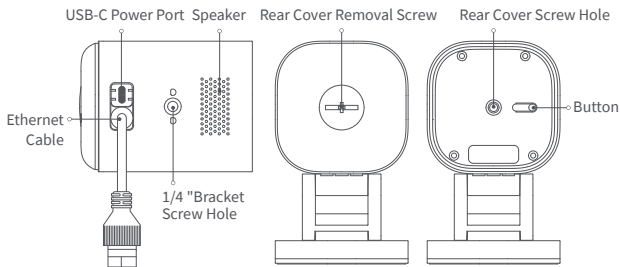
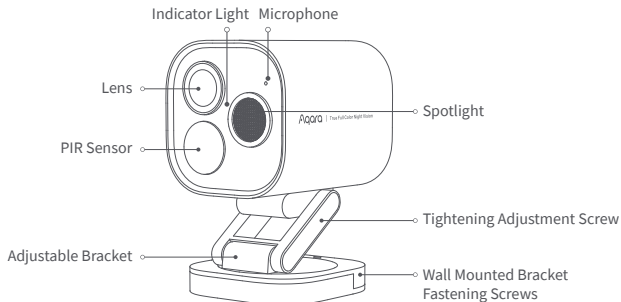
Rear Lid Opener × 1



Power Cable × 1



RJ45 Waterproof Kit × 1



Button Operation

Press and Hold for 10s: Reset the Network and Unbind the Device
Quick Press 10 Times: Restore Factory Settings

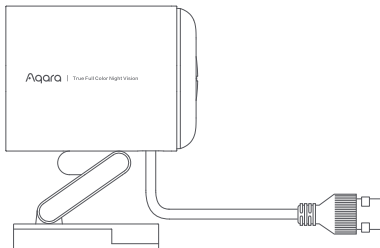
Device Installation

Select Installation Position

Table placement, wall mounting, ceiling mounting can be selected for this product, and the instructions are as follows:

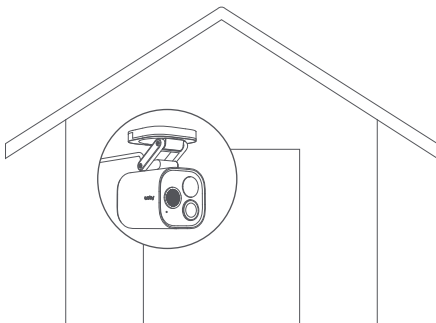
Table Placement:

The camera can be placed on a flat tabletop. After the product is successfully connected to the App, its tilt angle and left and right rotation angle can be manually adjusted based on real-time images, aiming the lens at the position that needs to be photographed.

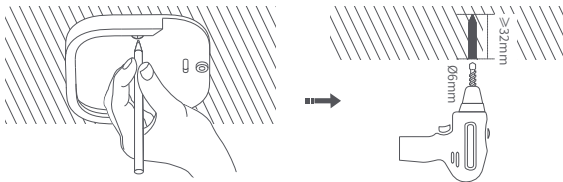


Wall Mounting and Ceiling Mounting:

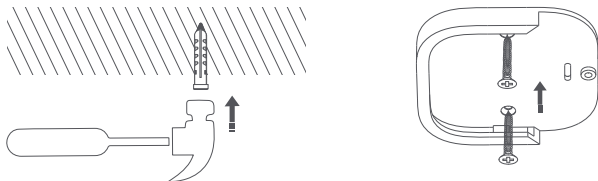
1. It is recommended to install this camera at a height of 2-3 meters above the ground. If vehicle recognition function is required, please install the camera on the garage door or left/right side of the vehicle passage (It is not recommended to install it in the center position, as vehicle recognition requires the camera to capture a sufficiently large area of the target vehicle).



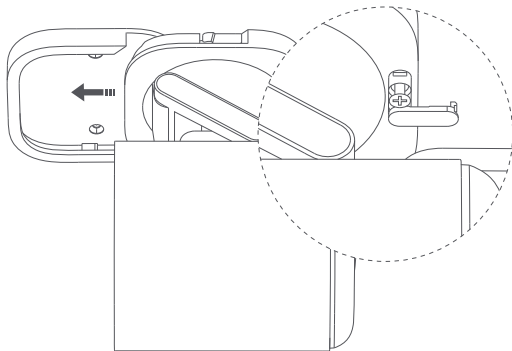
2. Loosen the fastening screws of the wall mounted bracket, take out the bracket, attach it to the selected installation position on the wall, and mark the punching points.
3. Use a $\varnothing 6$ mm drill bit to drill holes according to the marked positions, with a hole drilling depth ≥ 32 mm.



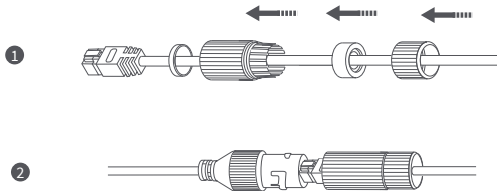
4. Use the tool to hammer the 4 expansion plugs into the drilled holes, ensuring a flat surface.
5. Use the self-tapping screws from the accessory pack to secure the bracket to the wall.



6. Insert the camera along with the other parts of the bracket into the groove of the wall mount bracket as shown below.



7. Take out the waterproof accessory RJ45 from the box and connect the network cable according to steps 1 and 2 as follows.

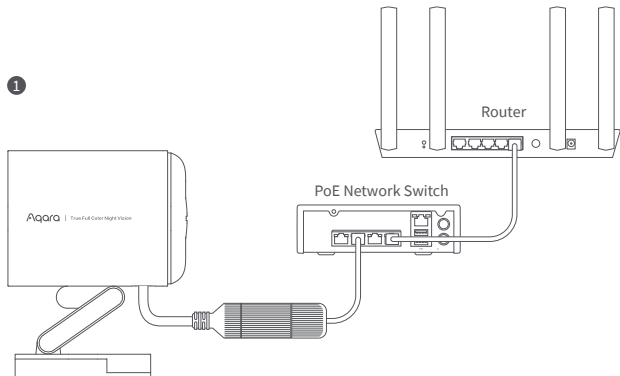


8. After successfully adding the camera to the App, manually adjust the pitch angle or left and right rotation angle of the bracket based on real-time video, and aim the lens at the position that needs to be photographed.

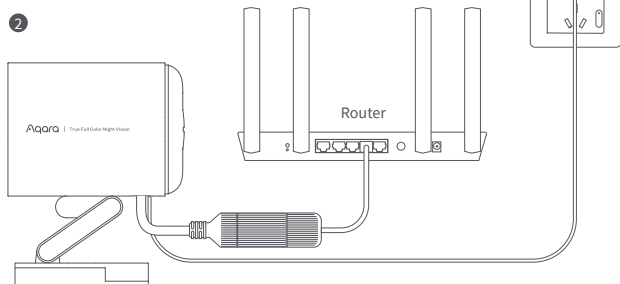
Power Supply Mode and Network Connection

1. This product can be powered by external power adaptor through USB-C port or by PoE through RJ45, please select according to the actual installation position.
 2. This product can only be connected to the network through an RJ45 Ethernet port with a network cable, and does not support Wi-Fi connection. Please refer to the following diagram to connect to the network.
- * **Attention:** When the camera is both plugged into an external power and connected by PoE, the device will prioritize power from the PoE port.

1



2



Device Binding & Initialization

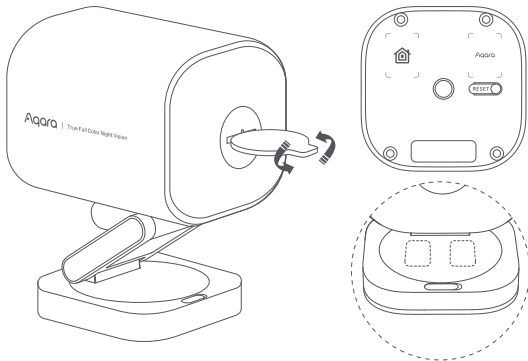
1. Download App

Search for "Aqara Home" in the Apple App Store, Google Play, Xiaomi GetApps, Huawei App Gallery, or scan the following QR code to download the Aqara Home App.



2. Add Product to Aqara Home

Please bind the camera to Aqara Home or HomeKit before installing it. Refer to the image below to open the camera back cover with the rear lid opener.



Connect the camera to the network with an Ethernet cable and power it on. When the status indicator light is flashing yellow, open the Aqara Home App and the camera will be automatically discovered and displayed on the App. Click on the discovered camera and follow the App prompts to bind it. Or click on the "+" in the upper right corner of the App homepage, select "Camera Hub G5 Pro (PoE)". If successfully connected, the status indicator light will remain in a blue light for a long time.

- If the indicator light is not flashing yellow after power on, please use the tools in the accessory pack to open the rear cover of the camera, long press the function button for 10 seconds or quickly press the function button 10 times to reset the device.
- During the network setup, make sure that the mobile phone is connected to the Wi-Fi network in the same LAN as the camera.
- During the network setup, it is necessary to scan the Aqara pairing QR code on the product or manual cover, or enter an 8-digit pairing code. Please follow the prompts on the App to complete the relevant operations.

3. Add Product to HomeKit :

Open the Apple Home App, click "+" in the upper right corner to enter the Add Accessories page, scan or manually input the HomeKit setup code (HomeKit QR code) on the product or the user manual, and bind the device to HomeKit.

Common HomeKit addition failure guides are as follows:

1. Prompt "Unable to add accessory". Repeated connection failures have caused error information in the iOS cache to be unresolved. Please restart the iOS device (iPhone or iPad) and reset the camera and try again.
2. Prompt "Accessory added". Please restart the iOS device and reset the camera, then manually enter the HomeKit setup code to add the camera.
3. Prompt "Accessory not found". Please reset the camera, wait for 3 mins, and add it again by manually entering the HomeKit setup code.

Note: Please keep the QR code on the product or user manual properly. If the addition fails, please press and hold the function button for 10 s to reset the network, and then add it again.

4. Bind Child Device

The product has Zigbee hub feature. Please bind the child device according to Zigbee Child Device User Manual.

5.Other Functions

For more device functions, please log in to the Aqara Home App to explore.

Description of Indicator Lights

Indicator Light Status	Device Status
Solid Yellow Light	Starting Up
Flashing Yellow Light	Waiting to Connect
Flashing Blue Light	Network Connecting
Slow Flashing Blue Light	Connection Successful and Account Binding
Solid Blue Light	Normal
Solid White Light	Start for 10 mins with No Network Configured
Flashing Purple Light	Allow Adding Child Devices
Slow Flashing Yellow Light	Firmware Upgrading
Light Off	Indicator Light Turned Off/Power Off/Sleep Mode

Product Specifications

Model: CH-C03E/CH-C03D	FOV: 133°(Diagonal)	Wired Input: 5V --- 2A
Resolution: 2688×1520	Aperture: F1.0	PoE Input: 48V --- 0.27A
Image Sensor Size: 1/1.8"	Encode: H.264	
PIR Detection Angle: Horizontal 100°, Vertical 65°		
Spotlight: Rated Power 3W, Luminous Angle 120°, Color Temperature Value 3000K		
Wireless Protocol: Zigbee IEEE 802.15.4		
Operating Temperature: -30°C ~ +50°C (-22°F ~ 122°F)		
Operating Humidity: 0 ~ 95% RH, No Condensation		

User Information

Use of the Works with Apple badge means that the accessory has been designed to work specifically with the technology marked in the badge and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliant safety and regulatory standards.

A 10-day recording history from your Camera Hub G5 Pro (PoE) is securely stored in iCloud and available to view in the Apple Home App on your iPhone, iPad, or Mac. You can add one camera to a 50GB plan, up to five cameras to a 200GB plan, or up to an unlimited number of cameras to a 2TB plan at no additional cost. Camera recordings don't count against your iCloud storage limit.

Communication between iPhone, iPad, Apple Watch, HomePod, HomePod mini, or Mac and the HomeKit-enabled Camera Hub G5 Pro (PoE) is secured by HomeKit technology. Apple, Apple Watch, HomeKit, HomePod, HomePod mini, Siri, iPad, iPad Air, and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.



Warning

1. This product is not a toy, please keep children away from this product.
2. Avoid installing the product in any position that may obstruct the lens, PIR, or spotlight. When adjusting the lens orientation, please avoid aiming in the direction of direct sunlight to avoid irreversible hardware damage to the image sensor.
3. When choosing PoE mode to power the product, please ensure that the length of the network cable connecting the device and switch is ≤ 100 meters.
4. When the spotlight is turned on and adjusted to maximum brightness, do not stare at the light for a long time to avoid organic damage to the eyes.
5. This product does not support infrared light to generate black and white images in night vision mode. When using this product in a completely dark environment, please turn on spotlight.

6. Please do not attempt to repair this product on your own, otherwise you will not be able to enjoy normal after-sales warranty services.
7. Please select an adapter with a minimum output parameter of 5V $\Rightarrow$ 2A to use with the product.

Online Customer Service: www.aqara.com/support

Manufacturer: Lumi United Technology Co., Ltd.

Address: Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China.

Email: support@aqara.com

Made in China

图纸区：



材质:60g书纸

尺寸:95*65mm

工艺:风琴折再对折

印刷:Pantone Cool Gray 10C

要求:

模切走位≤±0.5mm

色相正确、印迹牢固、

套印准确、各色套印

不露杂色,套印误差≤ 0.1mm

符合环保标准,通过RoHS认证

切刀
压线
齿刀
开槽
半穿
粘合
比例 1:1

版本号

V1

更新内容

初稿

更新时间

20241025

产品料号

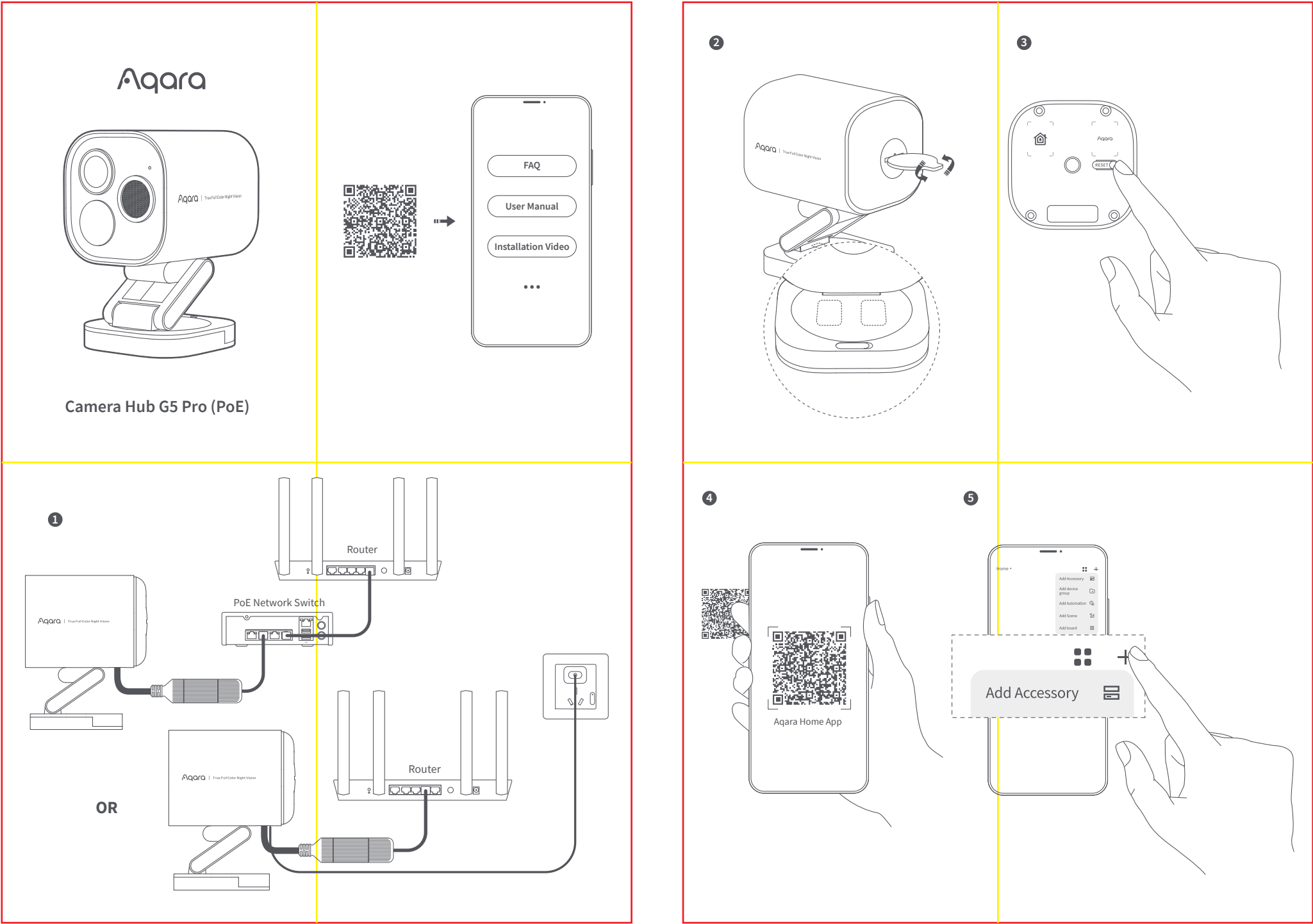
产品名称

G5摄像头POE版认证说明书

设计师

颜双

图纸区：



材质:60g书纸
尺寸:95*65mm
工艺:风琴折再对折
印刷:Pantone Cool Gray 10C
要求:
模切走位≤±0.5mm
色相正确、印迹牢固、
套印准确、各色套印
不露杂色,套印误差≤ 0.1mm
符合环保标准,通过RoHS认证

- 切刀
- 压线
- 齿刀
- 开槽
- 半穿
- 粘合
- 比例 1:1

版本号	V1	更新内容	初稿	更新时间	20241025
产品料号		产品名称	G5摄像头POE版线框图说明书	设计师	颜双