

智能刷脸终端

Smart Facial Recognition Terminal

快速指南

Quick Guide

免责声明

本公司始终承认并尊重,人脸识别技术涉及个人的姓名、肖像等隐私信息,应当采用审慎态度加以保护。本公司提示用户注意,根据相关法律法规的规定,用户使用本产品收集用户的雇员等个人的隐私信息前,应当取得相关个人的授权;并且,用户应妥善保管收集的雇员等个人的隐私信息,不得泄露、不正当使用,更不应利用本产品从事任何侵犯其他主体民事权利的活动。若用户违反该等法定义务,其法律后果由用户自行承担,与本公司无涉。本公司在此声明,本公司不会以任何方式通过本产品采集任何隐私信息,用户使用本产品不会导致本公司获取或存储任何隐私信息。本公司作为本产品的设备提供商,对用户使用本产品的行为所产生的任何后果不承担任何直接或间接的法律责任。若本公司因用户使用本产品的行为被任何第三方追究任何责任的,本公司有权要求用户赔偿本公司的一切损失。

- 由于产品版本升级或其他原因,手册内容会不定期进行更新,恕不另行通知。
- 手册中内容仅为用户提供参考指导作用,不保证与实物完全一致,请以实物为准。
- 手册中提到的部件,组件和附件仅作参考使用,不代表购买机型的配置。

产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
外壳	○	○	○	○	○	○
线路板及其组件	○	○	○	○	○	○
电源适配器	○	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。

○ : 表示该有毒有害物质在该部件所有均质材料中的含量均在 GB/T 26572 的规定限量要求以下。

× : 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

本产品有 X 的原因是,现阶段因全球技术发展水平限制而无法实现有害物质和元素的替代。



本产品的“环保使用期限”为 10 年,其标识如左图所示。电源适配器等可更换部件的环保使用期限可能与产品的使用环保期限不同。只有在本使用说明书所述的正常情况下使用本产品时,“环保使用期限”才有效。

安全守则

请遵守以下说明以安全使用本产品, 并避免任何人身伤害或财产损失的危险。

警告

不遵守说明可能导致伤害或产品损坏。

安装

- 请勿将本产品安装在阳光直射、潮湿、灰尘或烟灰的地方, 否则可能发生火灾或电击。
- 请勿将本产品安装在有电加热器热的地方, 否则可能由于过热而发生火灾或电击。
- 请勿将本产品安装在高磁性物体, 如磁铁、电视(特别是CRT)显示器或扬声器附近, 否则可能会发生产品故障。
- 请将产品安装在干燥的地方, 否则可能会由于潮湿而导致产品损坏或触电。
- 请将产品安装在没有电磁干扰的地方, 否则可能会导致产品损坏或触电。
- 用户不应独自安装或修理产品, 否则可能会发生火灾、触电或人身伤害。如果产品由于用户的独自安装或修理而损坏, 则不会提供免费的售后服务。
- 如果将产品安装在产品完全暴露的环境, 建议安装机箱。
- 不要将电源线安装在人们经过的地方, 否则可能发生产品损坏或身体伤害。
- 安装多个设备时, 请在进行安装时在设备之间留出空间, 否则一个设备可能会影响其他设备的 RF 性能, 从而导致故障。

使用

- 不要让诸如水、饮料或化学品之类的液体进入本产品, 否则可能发生火灾、触电或产品损坏。
- 不要掉落产品或对产品施加冲击, 否则可能会造成产品故障。
- 请勿用力按压产品上的按钮或使用尖锐工具, 否则可能会造成产品故障。
- 请用柔软的干布擦拭清洁产品, 不要用水、苯或酒精, 否则可能会造成产品故障。
- 如发现画面模糊或眩光, 请先检查并确认镜头是否清洁, 如有灰尘或油污, 可使用拭镜布清除。设备使用过程中应避免使用粗糙的物品或手指接触镜头表面, 以免对镜头造成损伤或污染。

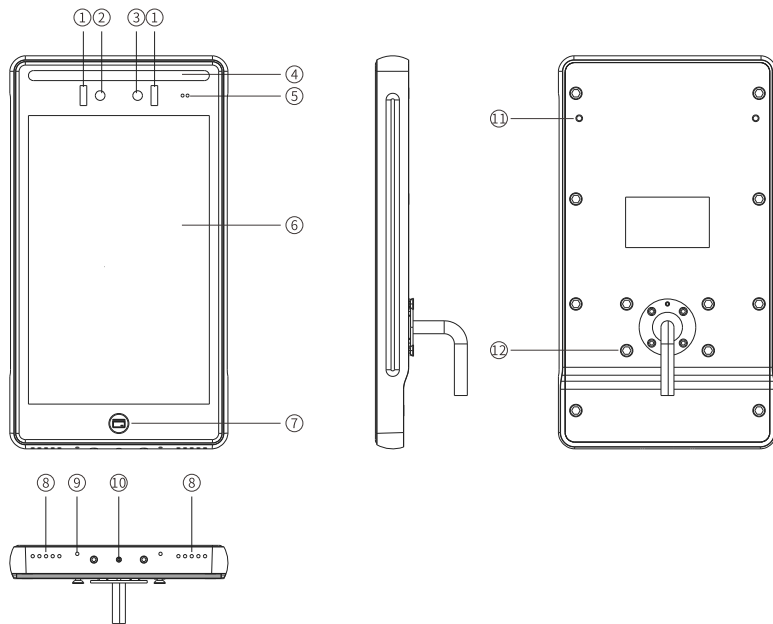
产品清单

内容物	数量
主机	1
壁挂件	1
电源适配器	1
安装螺丝包	1
快速手册(合格证)	1

说明

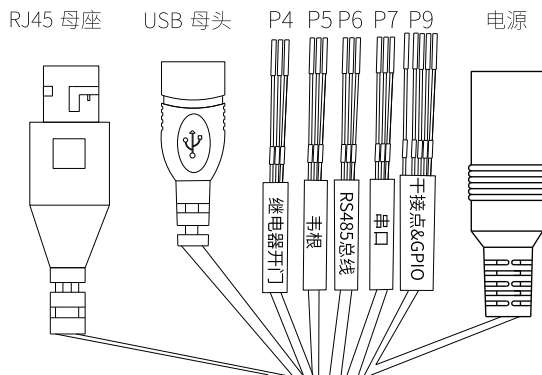
包装内容可能因为地区不同有所差异, 详情请咨询当地经销商。

产品部件



序号	功能说明
1	红外补光灯
2	RGB 摄像头
3	IR 摄像头
4	白光补光灯
5	距离检测
6	多点电容触摸屏
7	读卡区域
8	喇叭
9	麦克风
10	复位键
11	配件固定螺丝孔
12	壁挂、闸机固定螺丝孔

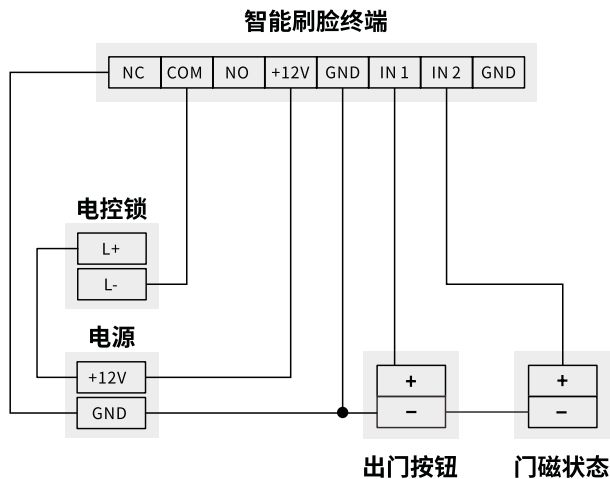
接口说明



接口名称	功能说明
RJ 45	10/100 Mbps 接口
USB	USB 2.0接口
P4	继电器开门 (NO、NC、COM)
P5	韦根 (D0、D1、GND)
P6	RS485 (485A、485B、GND)
P7	串口 (TXD、RXD、GND)
P9	干接点&GPIO (RECOVERY、GPIO、IN1、IN2、GND)
电源	12V DC输入

产品接线

电控锁开门按钮接法

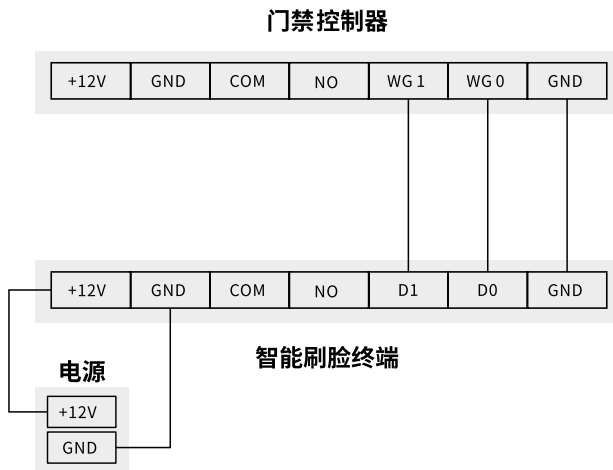


说明

此设备作为独立的门禁主机对接电锁和出门按钮，确保12V电源的功率满足设备和电控锁。

产品接线

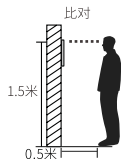
门禁控制器接法



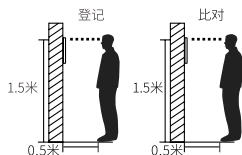
说明

NO 与 COM 组合为常开, NC 与 COM 组合为常闭, 终端设备需使用配套电源供电。

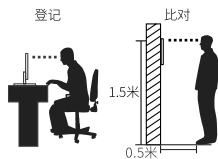
安装说明



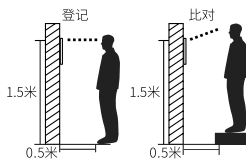
推荐人员与机器之间的距离为0.5米(适用身高范围 1.55-1.85米),可根据设备获取人脸图像的效果进行调整。
当人脸图像较大时可适当向后移动;当人脸图像较小时可适当向前移动。



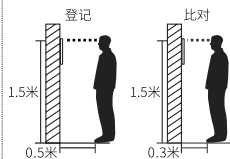
登记和使用过程中,设备的安装位置必须保持不变。如果确实需要移动设备位置,必须保持安装高度一致。如不一致,可能会影响设备的识别效果。建议人脸与机器登记时的距离为 0.5-0.8米。



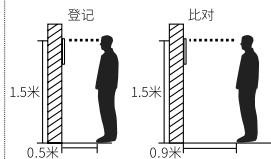
姿势不一致



高度不一致



距离太近



距离太远

安装说明

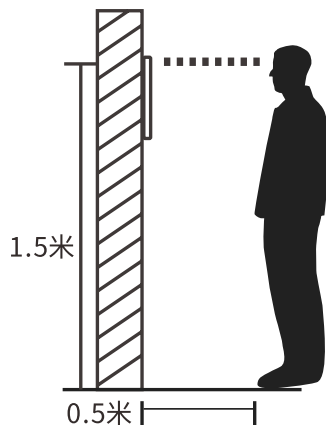
环境要求

在本产品安装使用中,必须严格遵守国家和地区的各项电气安全规程。如果设备工作不正常,请勿自行拆卸维修,否则将影响设备保修。安装使用过程中需避免极度高温(或低温)、高湿、高逆光、震动、辐射、化学腐蚀等恶劣或极端环境。

- 光线环境:建议安装在室内或半露天环境,保障良好的光线环境,避免强光直射或弱光影响识别速度,避免正对玻璃门或玻璃墙体。
- 网络环境:建议安装在网络通畅的环境,避免网络太差影响识别速度和准确率。

使用位置

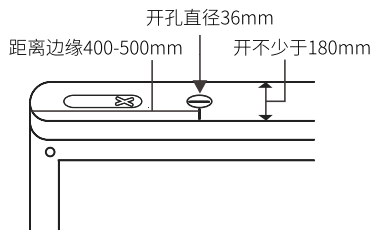
门口机安装高度建议为 150cm (摄像头高度)。



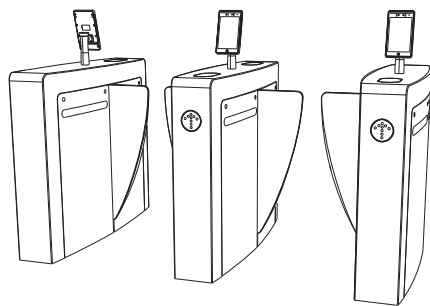
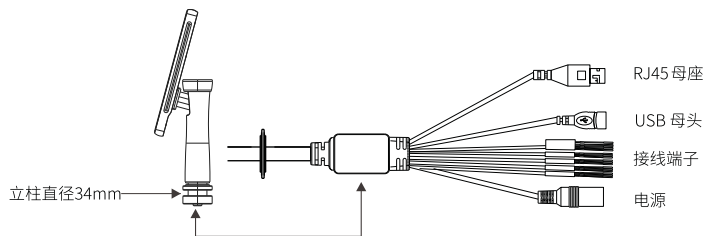
安装说明

通道式安装

开孔：闸机开孔直径 36mm，闸机两边距离不少于 180mm，开孔处到边缘建议在400-500mm左右。



穿线：将设备上的束线依次穿过立柱连接件、立柱，并将连接件与主机用螺丝固定，用螺母将设备和闸机拧紧固定，并将对应的接口线连接上。

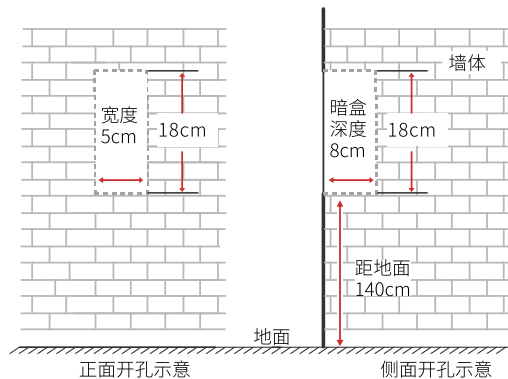
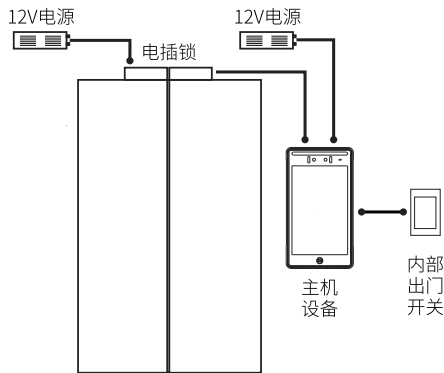


安装效果示意

安装说明

壁挂式安装

将主机设备安装在合适位置(摄像头距离地面150cm左右), 开一个长宽约 $5 \times 18\text{cm}$, 深度8cm的孔槽, 并将配件挂墙板固定在孔槽中间处, 将预埋线与主机设备连接, 在挂墙件底部打上螺丝完成壁挂安装。

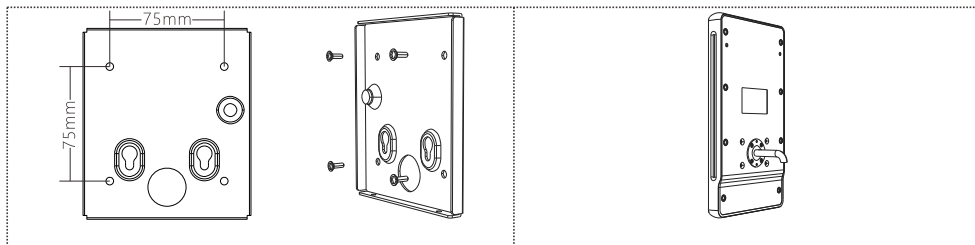


在主机设备开孔处需提前预埋 3 组线(预留线长10 cm):

- 12V电源线 RVV2 $\times$ 1.0 标准及以上, 一端在主机设备处, 另一端拉至原门禁专用电源或移门顶部的 220V 电源 3 孔插座处, 安装时接出厂自带的 12V/1.8A 电源适配器 12V 端, 适配器 220V 电源线直接插 220V 电源 3 孔插座。
- 开门控制线 RVV2 $\times$ 0.5 标准及以上, 一端在主机设备处, 另一端拉至原门禁专用电源或移门顶部控制器, 安装时接它们的开门信号接口。
- 超五类网线 8 $\times$ 0.5 无氧铜标准及以上, 一端在主机设备处, 另一端拉至弱电机房交换机处, 安装时接入互联网。如果有线网络增加有困难, 在无线网络稳定的情况下, 可以考虑使用无线。

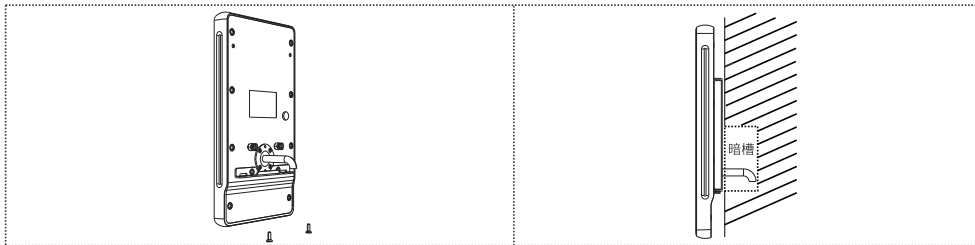
安装说明

壁挂式安装步骤



1. 固定。将壁挂安装配件用螺丝固定在墙面开好的孔槽中间处。

2. 接线。参考“接线说明”将网线、电源线等接入设备。



3. 调整。用螺丝拧紧固定设备上的配件及固定螺丝，调整接线长度直至可以将设备扣入壁挂配件上。

4. 锁紧。用螺丝由下往上，将主机与壁挂件拧紧设备，完成安装。

Disclaimer

The company has always recognized and respected the fact that facial recognition technology should be protected with cautious attitude in that it involves privacy information such as name, portrait and so on. We prompt users to pay attention that according to relevant laws and regulations, users should obtain authorization of relevant individuals before using the product to collect the privacy information of the employees. Users should properly keep the collected privacy information, and must not disclose or improperly use it. Moreover, users shall not use the product to do any activity that infringes the civil rights of other subjects. If users violate these statutory obligations, the company shall be exempt from any legal liability. We hereby declare that the company will not collect any privacy information by this product in any way, and we will not obtain or store any privacy information. The company shall not bear any liabilities for users' using of this product. The company has the right to claim all compensation from users, if we were held accountable by the third party for users using our product.

- This manual will be updated at any time without prior notice. In the event of any doubt or dispute, The company reserves the right of final interpretation.
- This manual is for reference only. Actual product may be different with this manual, please prevail in kind.
- The assemblies, components and accessories mentioned in this manual are for illustration only, and do not represent the configuration of the model you bought.

Safety instructions

Before connecting and operating the device, please observe the following instructions.

Warning

Failing to follow these instructions could lead to personal injury or property damage.

Installation

- Do not install the product in places where it may be exposed to direct sunlight, dust, soot or in damp areas, otherwise a fire or electric shock may occur.
- Do not install the product near any heat sources (a working electric heater), otherwise a fire or electric shock may occur due to overheating.
- Do not install the product near the magnetic field (for example, some highly magnetic objects such as a magnet, TV, especially CRT monitor, or speaker) as it may cause product malfunction.
- Keep liquids away from the product, otherwise a damp environment may lead to product damage or electric shock.
- Keep the product away from electromagnetic interference, otherwise it may lead to product damage or electric shock.
- The user should not install or repair the product independently as improper operations could result in fire, electric shock, or personal injury. We shall not assume any responsibility (free after-sales service) for problems caused by unauthorized installation or maintenance.
- If the product is installed outdoors, being completely exposed, it is recommended to install the product together with the enclosure.
- Do not expose the power supply cable in a place with a huge visitor flow, otherwise it may cause product damage or personal injury.
- When installing a number of devices, please leave enough space between devices, otherwise the RF performance of devices may be compromised.

Operation

- Keep liquids such as water, beverages, or chemicals away from the product, otherwise it may result in fire, electric shock or product damage.
- Do not drop the product or exert an impact on the product.
- Do not press the button hard or use sharp tools.
- Please clean the product with a soft and dry cloth and avoid using water, benzene or alcohol.
- Please clean the camera with a lens cleaning cloth. Do not touch the camera with fingers or shape objects, which may cause the damage on the camera lens.

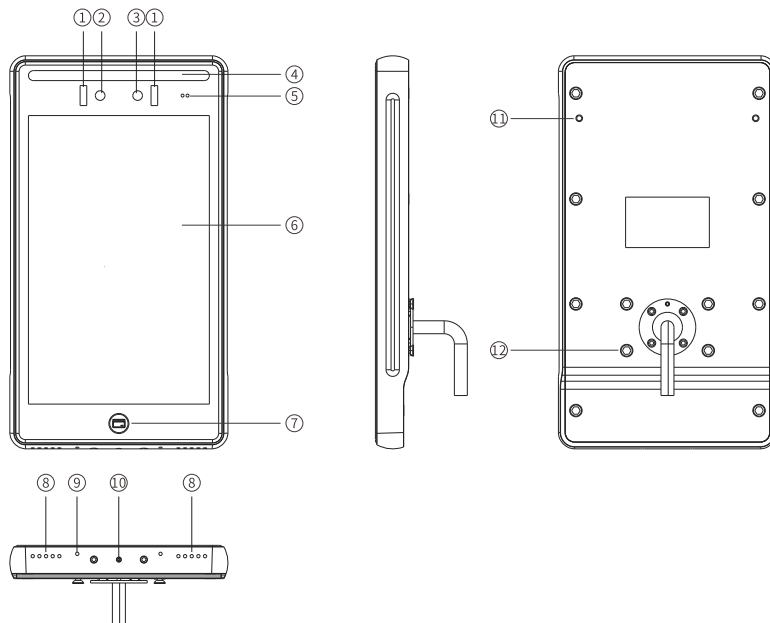
Package contents

Contents	Quantity
Device	1
Bracket for Wall-mounting	1
Power Adapter	1
Fixing screws	1
Quick guide	1

Note :

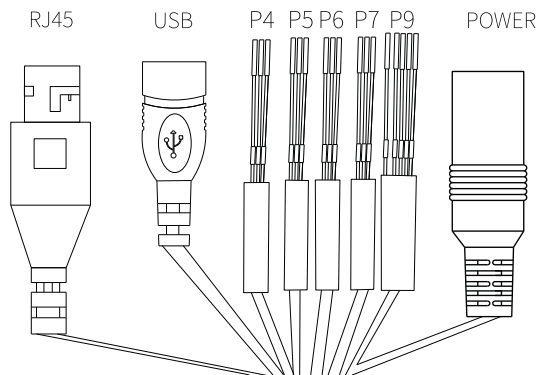
Package contents might vary among different regions. Please contact your local dealer for details.

Components



Serial number	Explanation
1	Infrared fill light
2	RGB camera
3	Infrared camera
4	White light fill light
5	Distance detection
6	Multi-point capacitive touch screen
7	Card reader
8	Speaker
9	Microphone
10	Reset button
11	Fixing screw holes for accessories
12	Fixing screw holes for Wall mounting, or turnstiles

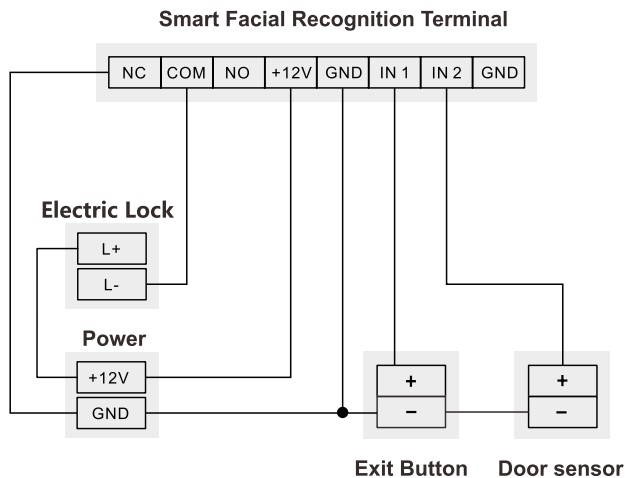
Interface



Interface	Description
RJ 45	10/100 Mbps
USB	USB 2.0
P4	Relay (NC、COM、 NO)
P5	Wiegand (D1、 D0、 GND
P6	RS485 (485A、 485B、 GND)
P7	Serial port (GND、 TXD、 RXD)
P9	Dry contact &GPIO (RECOVER、 GPIO、 IN1、 IN2、 GND)
POWER	12V DC Input

Wiring instructions

Wiring with Electric Lock

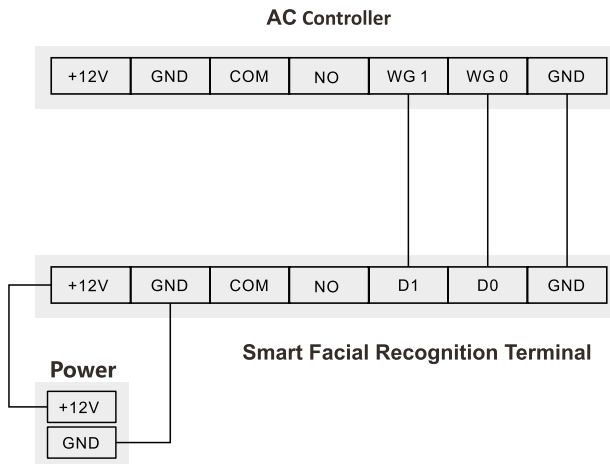


Note :

This device acts as an independent access controller for docking electric locks and exit buttons, please make sure that the power of the 12V power supply meets the requirement of device and electric lock.

Wiring instructions

Wiring with access control



Note :

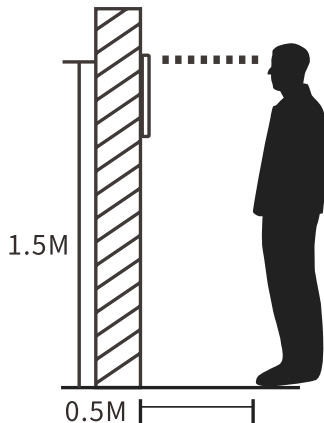
- Normal open (NO + COM) : Contacts in the open state under normal conditions (without power) ,
- Normal close (NC + COM) : Contacts in the close state under normal conditions (without power) ,
- Please use the power supply in the package.

Installation instruction

Environment requirement

In the installation and use of this product, please strictly follow all local electrical regulations. equipment is not working properly, please do not disassemble and repair it by yourself, otherwise it will affect the equipment warranty. During installation and use, extreme or extreme environments such as extreme high temperature (or low temperature), high humidity, high backlight, vibration, radiation, and chemical corrosion must be avoided.

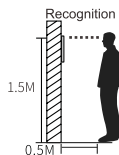
- Lighting conditions: We recommend installation in indoor or semi-outdoor environment, ensuring a well-lit environment, avoiding direct sunlight or low light affect the recognition speed, to avoid facing the glass doors or glass walls.
- Network: It is recommended to install the network open environment, to avoid the bad effectsof network identification speed and accuracy.



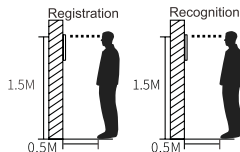
Location

The recommended installation height of the device is 150cm (camera height).

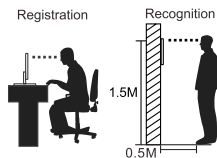
Installation instruction



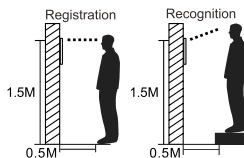
The recommended installation height (height of cameras) is 1.5m which can cover human height of 1.55m - 1.85m when the distance between the person and the panel is 0.5m. The best recognition distance is 50cm to 80cm from the device, as shown in the below image. It can be adjusted according to the effect of face image acquired by the device. When the face image is large, it can move backward properly; when the face image is small, it can move forward properly.



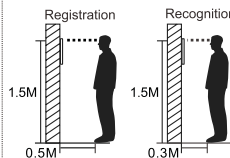
When using the device for registration and identification, the installation location of the device must remain unchanged. If you really need to move the device, you must keep the installation height consistent. If it is inconsistent, it may affect the recognition effect. It is recommended that the distance between the face and the machine at the time of registration is 0.5-0.8 meters.



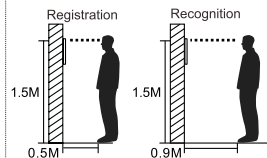
Inconsistent posture



Different height



Too close



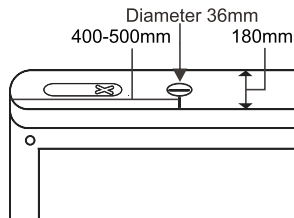
Too far

Installation instruction

Installation-Gate instruction

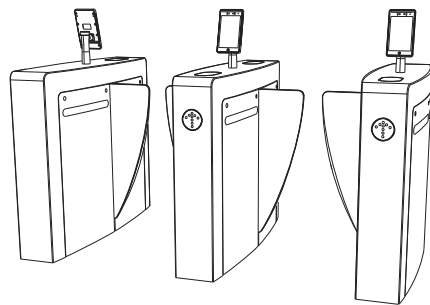
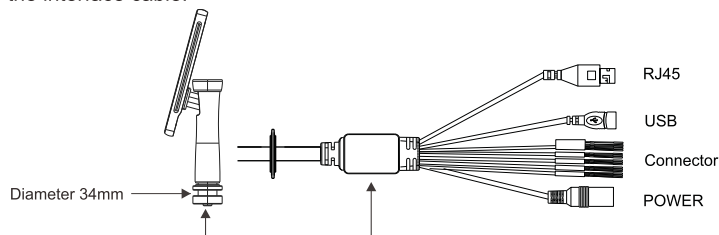
Hole drill

Drill holes with 36mm diameter in the proper position of the turnstile according to the drawing below. The recommended distance is 40 cm to avoid the card swiping and scanning area. The width of the gate is not less than 180mm.



Wiring Diagram

Pass the wire on the equipment through the bracket, fix the connecting piece and the host with screws, tighten the device and gate with nuts, and connect the interface cable.

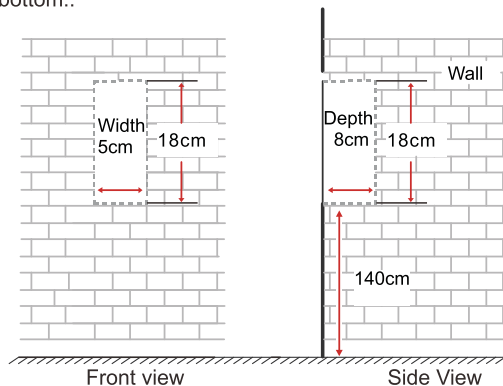
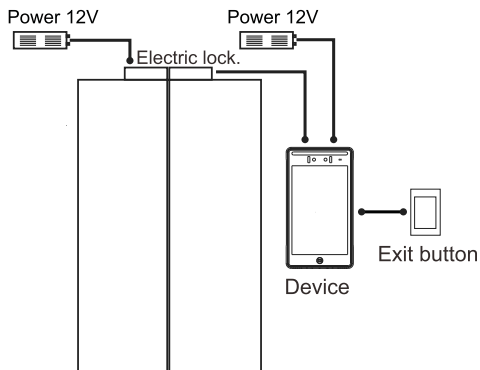


Installation sample

Installation instruction

Installation-Wall mounting

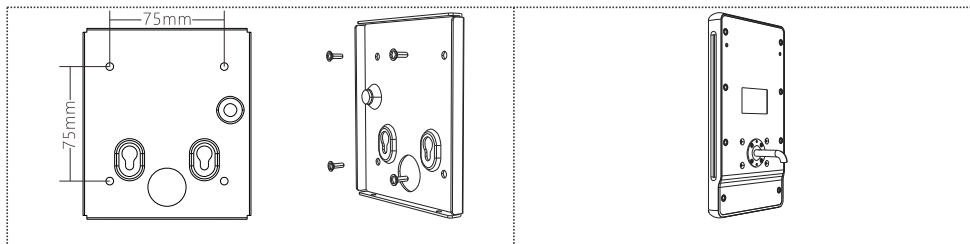
Install the device in the right place (the height of cameras is 150cm). If there is no cassettes, open a square empty slot with size of 5cm*18cm*8cm (W*H*D) at a distance of 140cm from the ground. Fix the wall-mounting bracket on the middle of slot. Connect the cable (refer to "Wiring Diagram"). And fix the device with screws on the bottom..



3 sets of wires need to be embedded in advance at the host equipment (reserved wire length is 10cm):

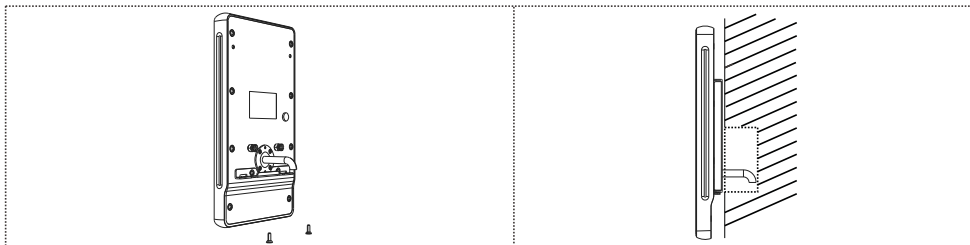
- 12V power cable RVV2 × 1.0 standard and above, one end is at the host device, and the other end is pulled to the original access control dedicated power supply or the 220V power supply 3 hole socket on the top of the sliding door, When installing, connect to the 12V end of the factory supplied 12V1.8A power adapter. The 220V power cable of the adapter is directly plugged into the 220V power supply 3-hole socket.
- Door opening control line RVV2 × 0.5 standard and above, one end is at the host device, and the other end is pulled to the original access control dedicated power supply or the top controller of the sliding door, and connected to their door opening signal interface during installation.
- Cat5e network cable 8 × 0.5 oxygen-free copper standard and above, one end is at the host device, and the other end is pulled to the weak motor room switch, and connected to the Internet during installation. If it is difficult to increase the wired network, you can consider using wireless when the wireless network is stable.

Installation-Wall-mounting



1.Fixed. Fix the wall-mounting accessories to the wall with screws.

2.Wiring. Refer to the "Wiring Instructions" to connect the network cable, power cable, etc. to the device.



3.Adjustment. Tighten the accessories and fixing screws on the device with screws, adjust the wiring length until the device can be snapped into the wall-mounted accessories.

4.Lock tightly. Use screws to tighten the device from the main unit and the wall mount to complete the installation.

RF exposure statement

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

合格证

检验员：

生产日期：