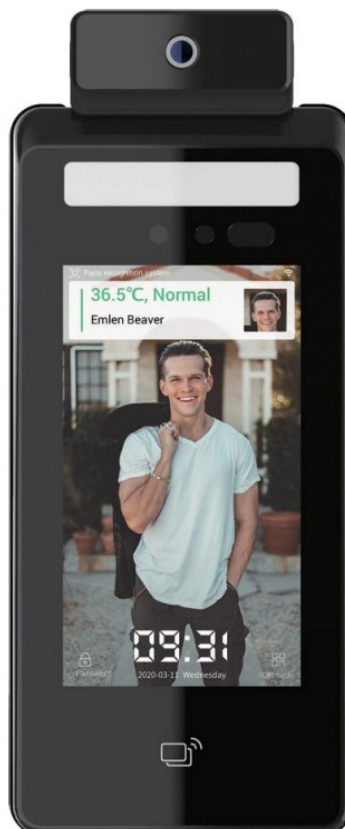




Universal Ubiquitous Uface 5-Temp AI Face Recognition Instruction Manual

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UNIVERSAL
PRODUCT
BOOKLET
Face 5-Temp
(OS-M355C1-V-R23WFC-TEMP03)



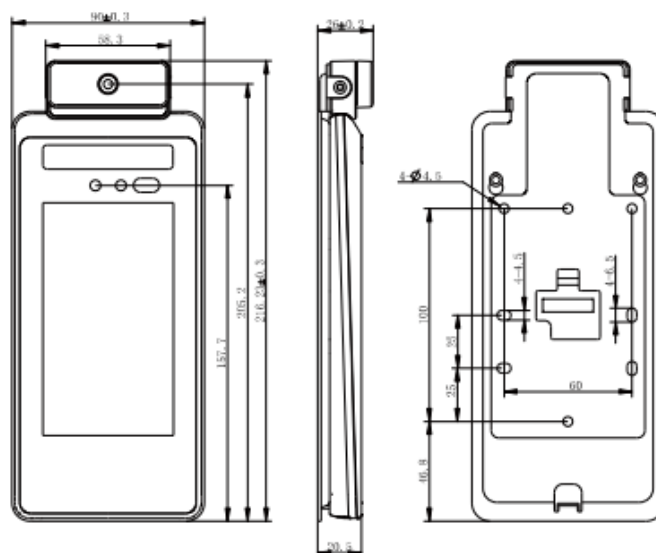
Dear customer,

Thank you for using our product. For better use, please carefully read this instruction. If you have any issues not mentioned here, please contact the provider. All parts of this booklet are reserved by our company, including words, pictures, and graphics. Without written permission, no unit or individual shall extract, copy, translate or edit the content in this instruction.

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No.	Name	Quantity
1	Host	1
2	Thermometer sensor	1
3	Power adapter	1
4	User manual	1
5	Certificate	1
6	Installation sticker	1
7	Hexagonal wrench	1
8	M3 Screws	3
9	M3 Countersunk screws	2
10	4*30 Cross countersunk self-tapping screws	4
11	Expansion pipes	4

Dimensional Drawing

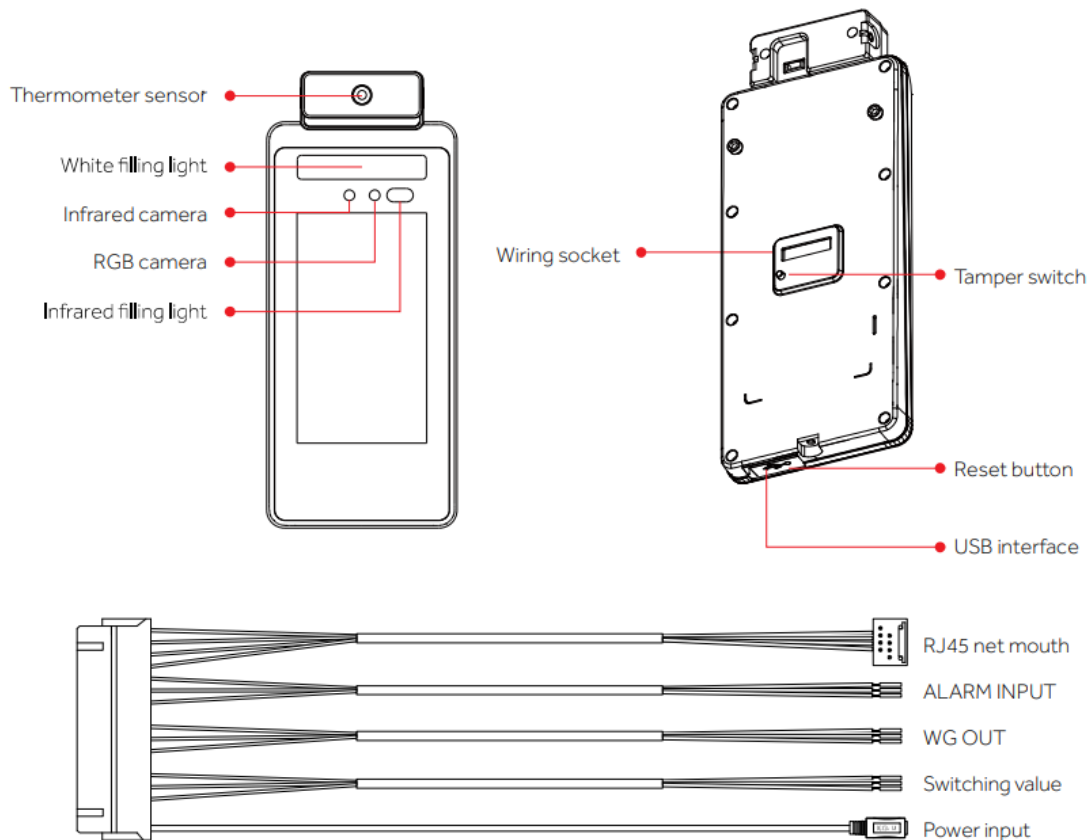


Platform/Software Operating Instruction




The software carried by the product is LAN (LAN or offline version. provides the secondary development). Please mark the need for a software version when placing the order. For a more detailed platform/software instruction manual. please log in to the official website to download or contact customer services.

Appearance description



Instruction






ALARM INPUT

	GND
	ALARM-KEY
	ALARM-DOOR

WG OUT

	WD0
	WD1
	GND

Power input

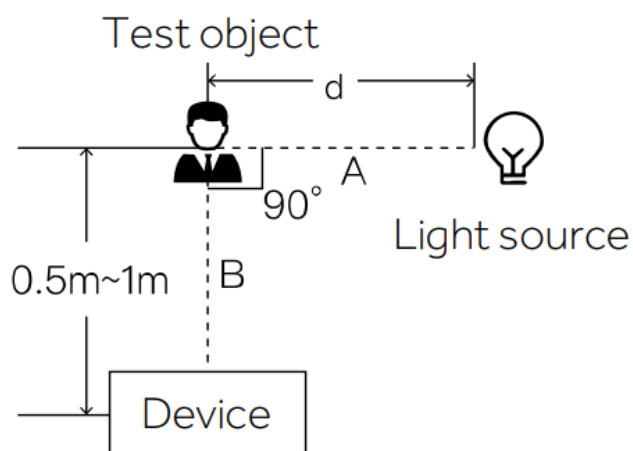
	NO
	COM
	NC

Illumination intensity

The recognized face, of which, the illumination intensity “intensity” in short) shall not be lower than 30 Lux when the device is put in a totally dark environment, the face illumination intensity, 0.5m distance to the device, is about 100 Lux. The nearer to the device, the higher the intensity is. If there is overexposure on the face, the face characteristics will be unable to be extracted and may lead to hard recognition. . The device has filling light itself. so

Intensity test

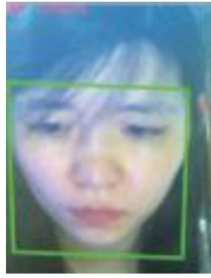
The test standard is as shown on the picture: the angle between dotted line A and dotted line B is 90 ° , the test adopts the common light meter with full-spectrum, and applies U30 standard light source, adjust the distance between source light and test object, subject to the illumination intensity of the object face at this time.



Reference to intensity



30 Lux, dim



50 Lux, normal



100 Lux, bright



300 Lux,
slight exposure

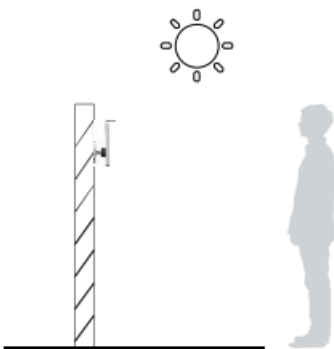



500Lux,
overexposure

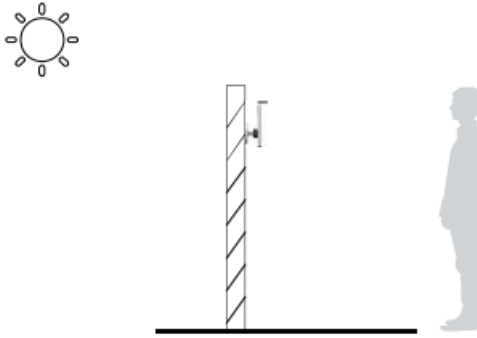

Illumination intensity in actual scenarios

image and registered image; backlight, side-light and (Analysis: from the view of human eyes, the color changes on face skin may result in wrong recognition of identity; unclear exposure area, no matter large or small, may result in the identity judgment.) Light issues may lead to big differences between sites strong light will influence the recognition experience.

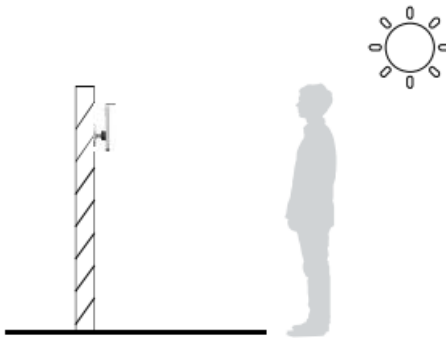

Side light

 A diagram illustrating side lighting. A sun icon is positioned above a vertical wall. A person's silhouette is standing to the right of the wall, with light from the sun hitting the wall and casting a shadow on the person's face.	 A photograph of a person's face with side lighting. The light is coming from the side, creating strong shadows on one side of the face, which can lead to uneven lighting.
The light source is near to the object	Side-light may lead to uneven light on the face

Strong light

	
<p>The device stands between the light source and the object</p>	<p>Direct strong light may cause overexposure</p>




Backlight

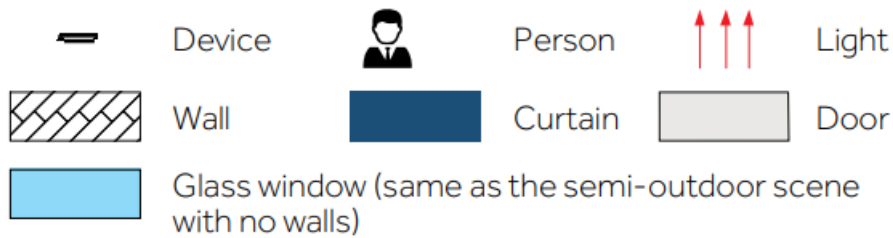
	
<p>The object stands between the device and light source</p>	<p>The backlight may make the face too dark</p>

Improvements

1. Install the device in a place with little impact from the light source.
2. Add a registered image according to the site condition, and it is suggested to use this product to enroll images.
3. Properly lower the threshold value according to usage.

The device shall be installed in places avoiding backlight, side-light, and strong light.

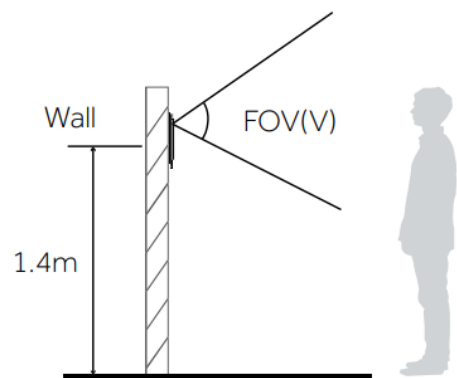
	<p>This place, 3m away from the window, or does not influence by sunlight, can be considered for installation</p>
	<p>Backlight, side-light, or direct strong light, not suitable for installation.</p>
	<p>Other areas, install in suitable places according to actual light impact.</p>



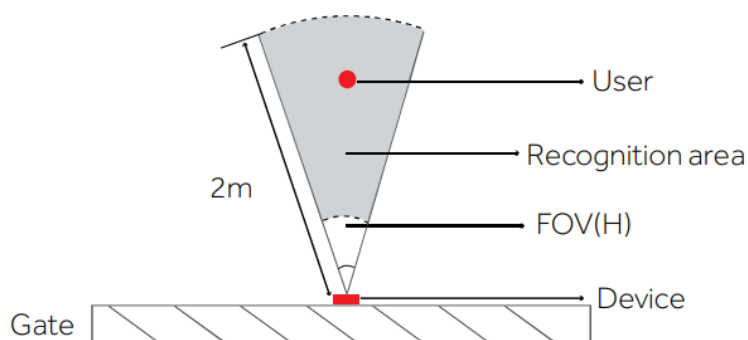
<p>Diagram showing a room with a window and a door. Light enters from the bottom through the door. A device is shown on the wall/shield area.</p>	<p>Diagram showing a room with a glass wall and a door. Light enters from the bottom through the door. A device is shown on the wall/shield area.</p>
<p>Sunlight shines indoor</p> <p>When the sunlight shines indoors through the window, the face recognition terminal device shall not be installed in the shown black shadow area, instead, shall be installed in place with little sunlight impact, no side-light, and no backlight. (Glass window can be deemed as no walls)</p>	<p>Glass window</p> <p>If the room has a glass wall, there is no shield for sunlight, then it is suggested to hang curtains over the window, and install the device in place with a shield to avoid direct sunlight influencing the recognition. (Glass window can be deemed as no walls)</p>
<p>Diagram showing a room with a door and a glass window. Light enters from the left through the door. A device is shown on the wall/shield area.</p>	<p>Diagram showing a room with a door and a glass window. Light enters from the left through the door. A device is shown on the wall/shield area.</p>
<p>Sunlight shines through the door, with a glass window at one side</p> <p>Sunlight shines through the door, the device shall be installed at the place with shields and little light impact. Glass windows can be deemed as no shields, the device shall be installed at the side without a glass window or with a curtain hung.</p>	<p>Sunlight shines through the door</p> <p>Sunlight shines through the door, the device shall be installed at the place with shields and little light impact.</p>

Height

Camera vertical wide-angle

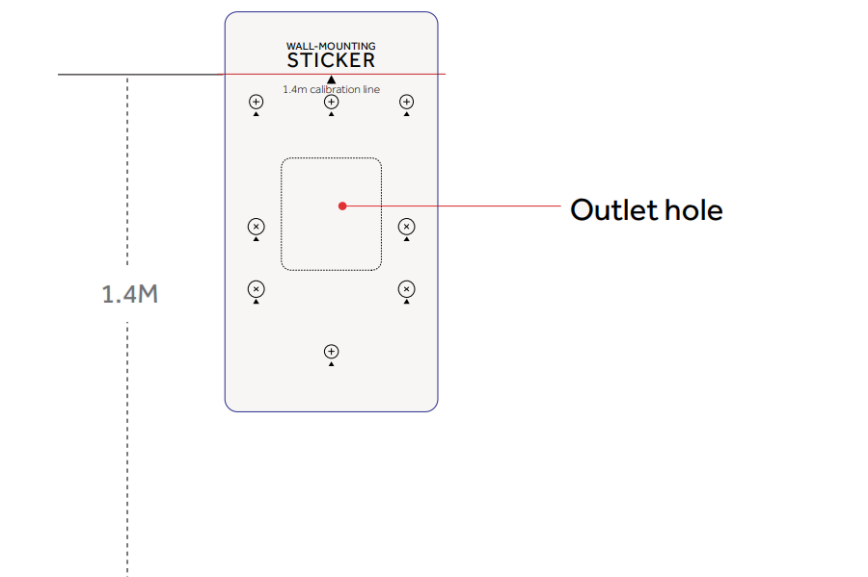


Camera horizontal wide-angle

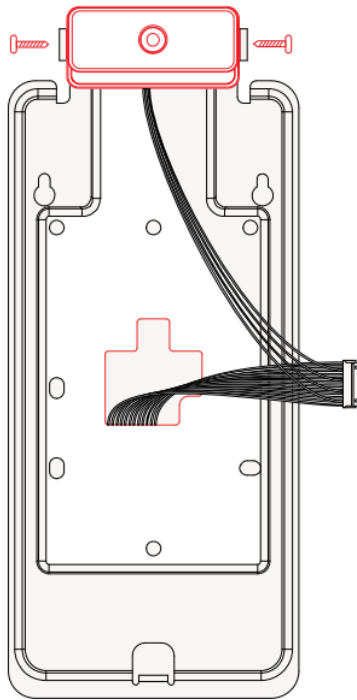


Suggested installation height (distance between the screen and the ground) is 1.4m, as there cog ni Zab le b o d y hei g ht range, 0.5m distance away from the device, is 1.3m-1.7m; the recognizable body height range, 1m distance away from the device, is 1m-2m. (There are some deviations)

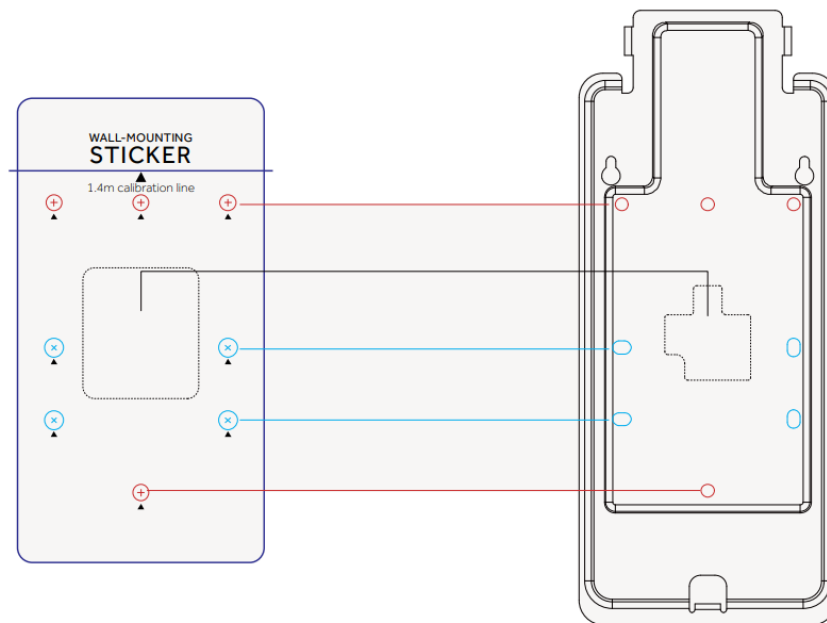
Steps



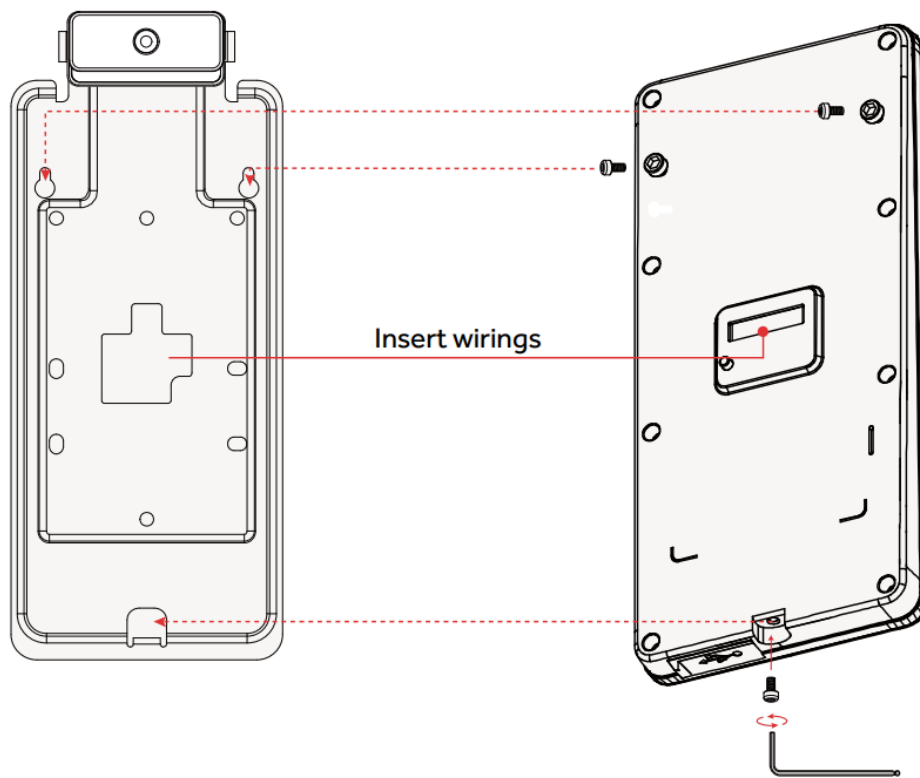
1. Paste the installation sticker on the wall, and keep the horizontal line parallel with the ground and the red line 1.4m distance to the ground; drill screw holes on suitable position on the wall according to the installation method (if use 86-box, then no need to drill holes), drill 1~2 outlet holes according to wiring need.



2. Install the thermometer sensor on the support, connect the power cable, network cable and other wirings, then thread the tails out through the outlet hole.

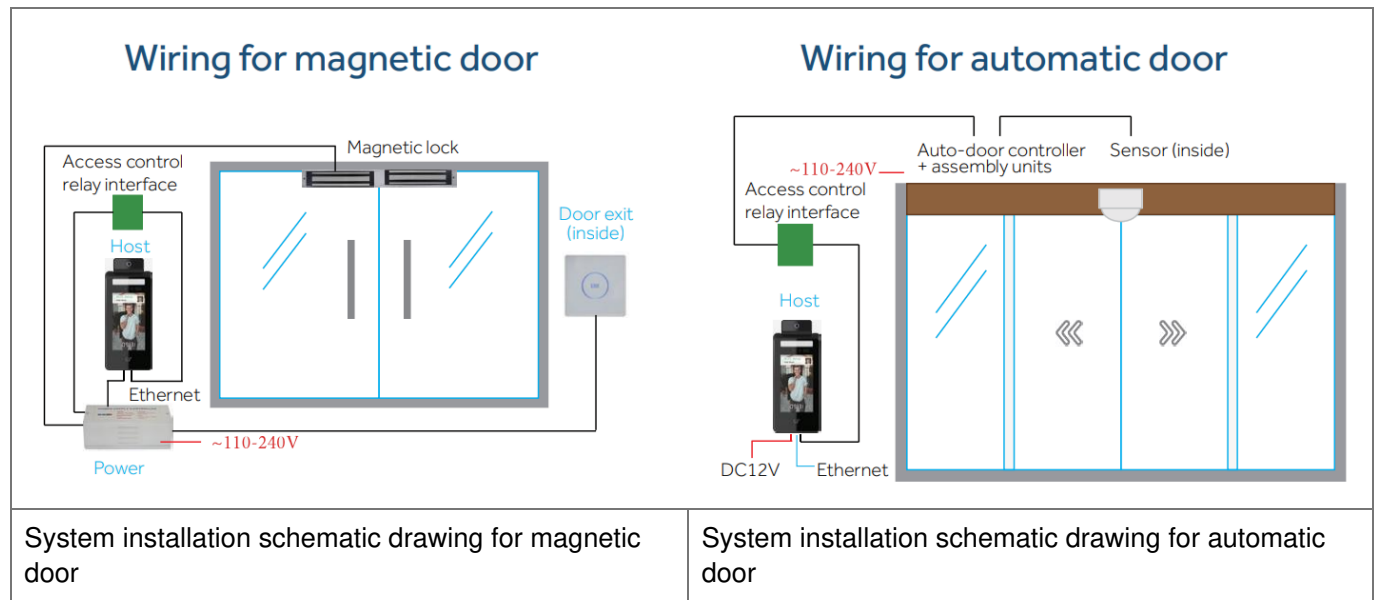


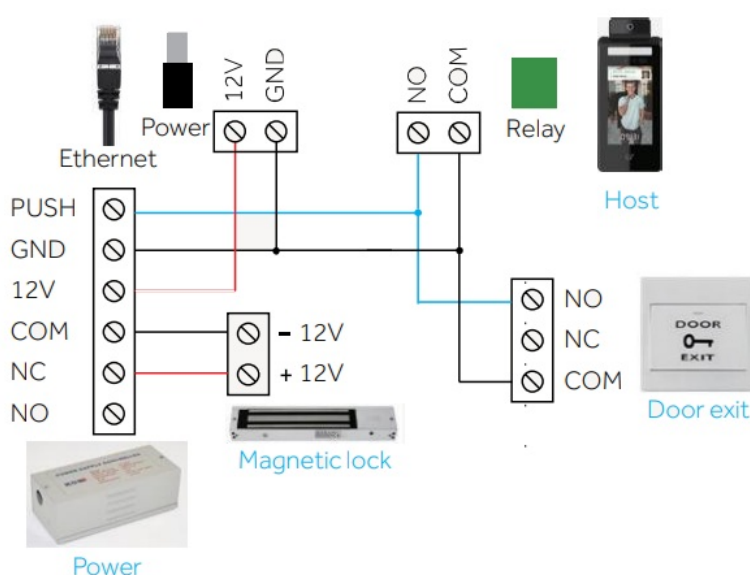
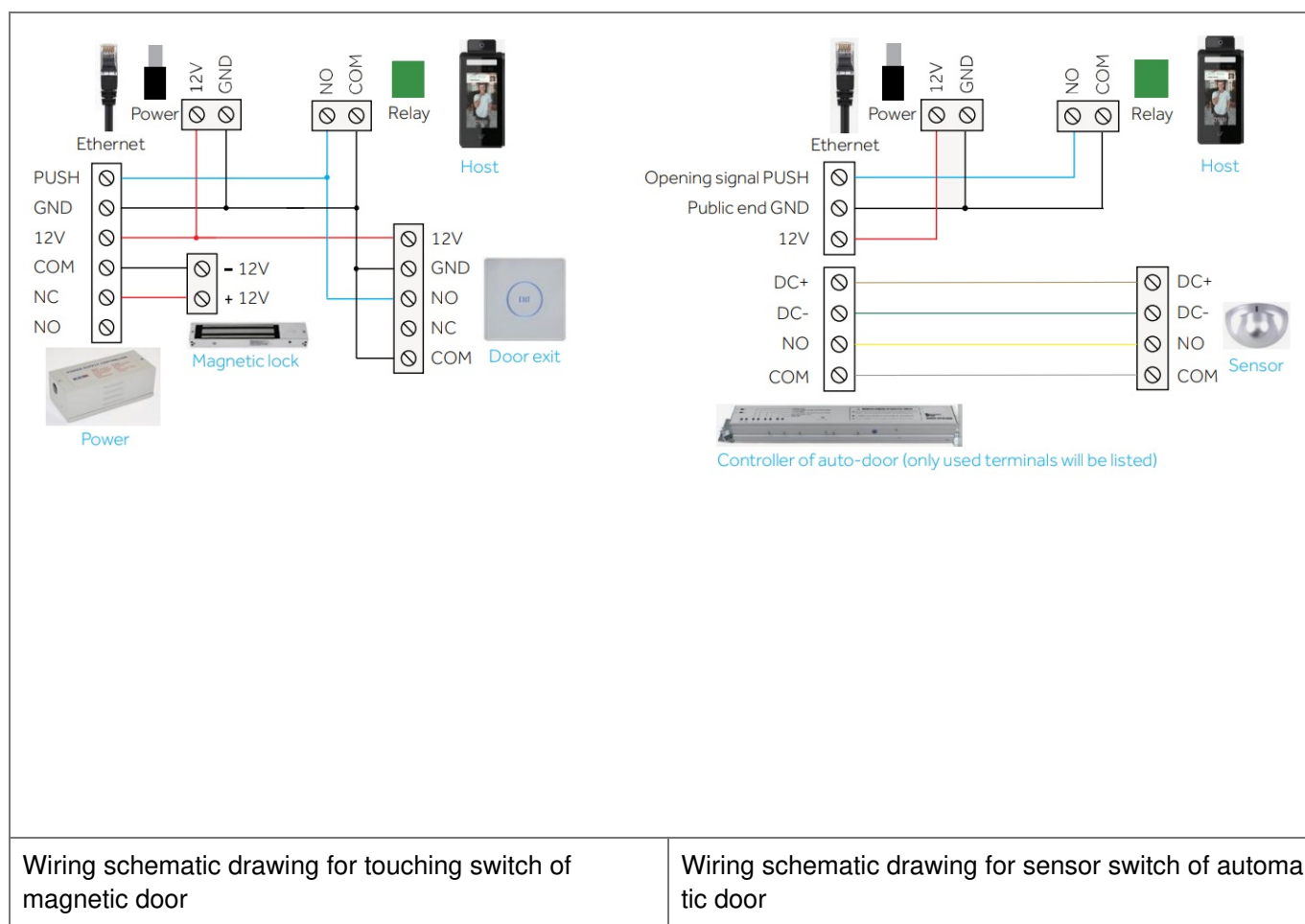
3. Move the support to align holes on it with holes on the wall, and use the screws to fix the support.
 Attention: If the wall has a hard foundation, self-tapping screws shall be used together with expansion pipe; if the wall has a soft foundation, use self-tapping screws directly.



4. Install the trapezoid screws on the host, put tails inside the wiring socket, then align the installed trapezoid screws with the holes on support, hang the host on support, meanwhile, use the hexagonal wrench to tighten the screws via the shown direction. Installation completes.

Wiring connection

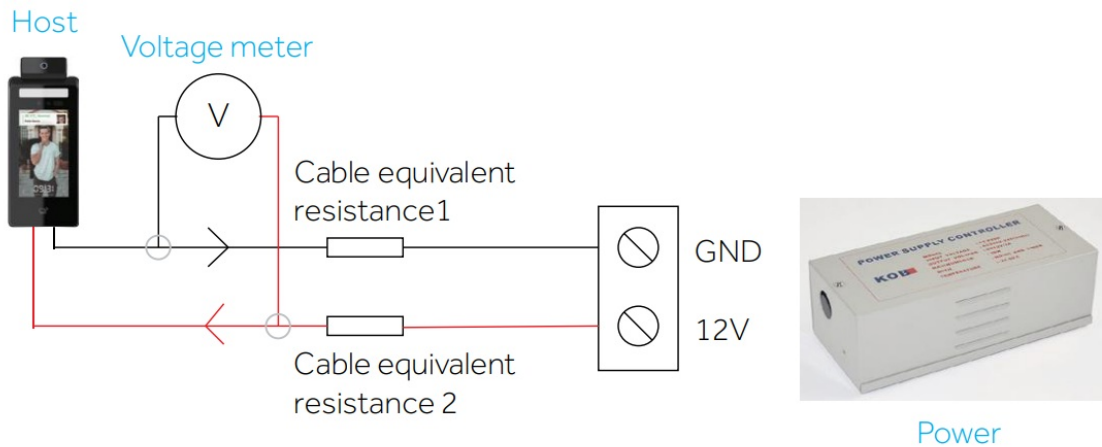




Wiring schematic drawing for the mechanical switch of magnetic door

Installation notes

1. When arranging the wires, if the 12V power supply cable of the host does not adopt the “Special power strip” and is in long-distance, resulting in large resistance, then abnormal phenomena may occur easily such as insufficient voltage (<11V), repeat restart, system crash and so on. The wiring connection of voltage metering is shown as follows.



2. The power adapter is put together with the device which is optional, such as EU standard, American standard, UK standard, and so on.

- Extension of power cable (weak current) cannot exceed 2m, otherwise, it may cause insufficient power supply for the host end, and abnormal phenomena like repeat restart, system crash may occur. If the power is far away from the device, the power cable can be extended (strong current).
- If using another power adapter, 9V 1A as an example, then insufficient voltage and too weak current may cause repeat restart.
- The cable cannot be too fine (such as network cable and fine line), it is suggested to connect the multi-strand cable in parallel or use copper core bold cable, to ensure voltage $>11V$.
Attention: If using a network cable, the extension cable uses a 4-strand cable as a positive pole and 4-strand cable as a negative pole.
- If not clear with how to extend, please contact the provider to change "Special power strip".

Features

• Characteristics

Infrared and RGB dual-camera, live face detection; completely solve image frauds in all kinds of carriers; recognition accuracy is 99.99% (passing rate is 99.77% under 1% false accept rate; the passing rate is 99.27% under 0.1% false accept rate).

• Store records in local

(a) Device using cloud platform supports storing 50 thousand pieces of face images (smaller than 400KB), 1 million pieces of recognition records (0.45KB) and about 100 thousand pieces of site capture images; (b) Device using LAN support storing 50 thousand pieces of face images (each image by 100KB) and 1 million pieces of recognition records (including the latest 10 thousand pieces of site capture images)

• Quick recognition speed

Recognition speed less than 1s.

• Secondary development (integrated)

Support the interface connection in HTTP; supports 232 serial output, Wiegand 26 and 34 output, custom the configuration of output content.

• Complete functions

Supports recognition distance configuration; supports stranger detection; supports saving the site images of face recognition and stranger detection.

• High extensibility

Supports deployment methods like public network and LAN; supports screen display content configuration.

- **Temperature measurement**

The device should be used indoors to avoid the disturbance from the heat radiation source, Measurement distance is around 30-50cm, the range is around 30~43°C, and accuracy is $\pm 0.2^{\circ}\text{C}$.

- **Try to restart and reset**

When the device stops in some interface for a long time, users can plug out the power switch. power-on reset and then restart. If it does not take effect, they can short circuit the tails or long-press the RESET hole for 8-12s to restart the device. Besides, users can contact our staff and make some feedback.

- **Drop resistance**

Please avoid operations such as falling, breaking, bending, heavily pressing, and so on.

- **Cleaning**

Please use a soft cloth or such materials, lightly wipe the display screen or panel, and avoid scrubbing with water and cleaner.

- **Working temperature**

The normal working temperature for this device is $-20^{\circ}\text{C}\sim 50^{\circ}\text{C}$, if the actual temperature exceeds this range, that may influence the normal use of the device. To ensure measurement accuracy, the device is recommended for indoor use to avoid interference of heat sources.



Do not dirty or damage the display screen with oil-water or sharp objects



Do not use the unknown power adapter to avoid burning out the device

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.

OTE 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 radiates 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.

OTE 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.

FCC Radiation Exposure Statement:

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

Documents / Resources

	Universal Ubiquitous Uface 5-Temp AI Face Recognition [pdf] Instruction Manual OS-M355C1-V, OSM355C1V, 2AUI4-OS-M355C1-V, 2AUI4OSM355C1V, Uface 5-Temp AI Face Recognition, AI Face Recognition, Face Recognition, Recognition
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