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Universal Ubiquitous M385C2-V-TEMP Uface 8T-Temp Live Body Detection Instruction Manual

Contents

M385C2-V-TEMP Uface 8T-Temp Live Body Detection

PRODUCT BOOKLET
Uface 8T-Temp
(OS-M385C2-C-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.

Device introduction

Parts list Dimensional drawing Platform/Software operating instruction Appearance description

Installation

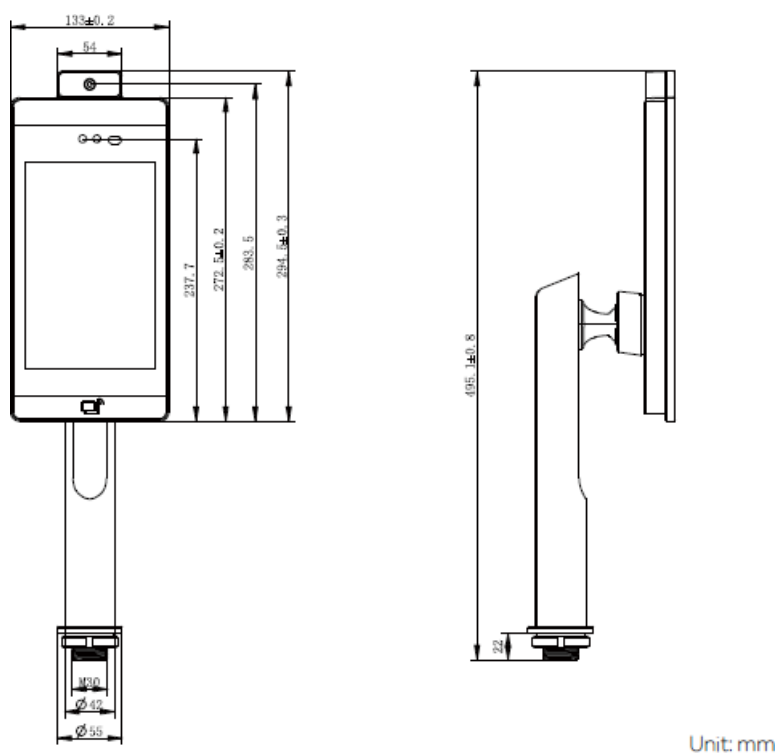Illumination intensity Position Height Steps Wiring connection

Product description
Features
FAQ

Parts list

No.	Name	Quantity
1	Host	1
2	Power adapter	1
3	User manual	1
4	Certificate	1
5	Hexagonal wrench	1
6	3*12 Self-tapping screw	1
7	Ziplock plastic bag – transparent	1

Dimensional drawing

Unit: mm
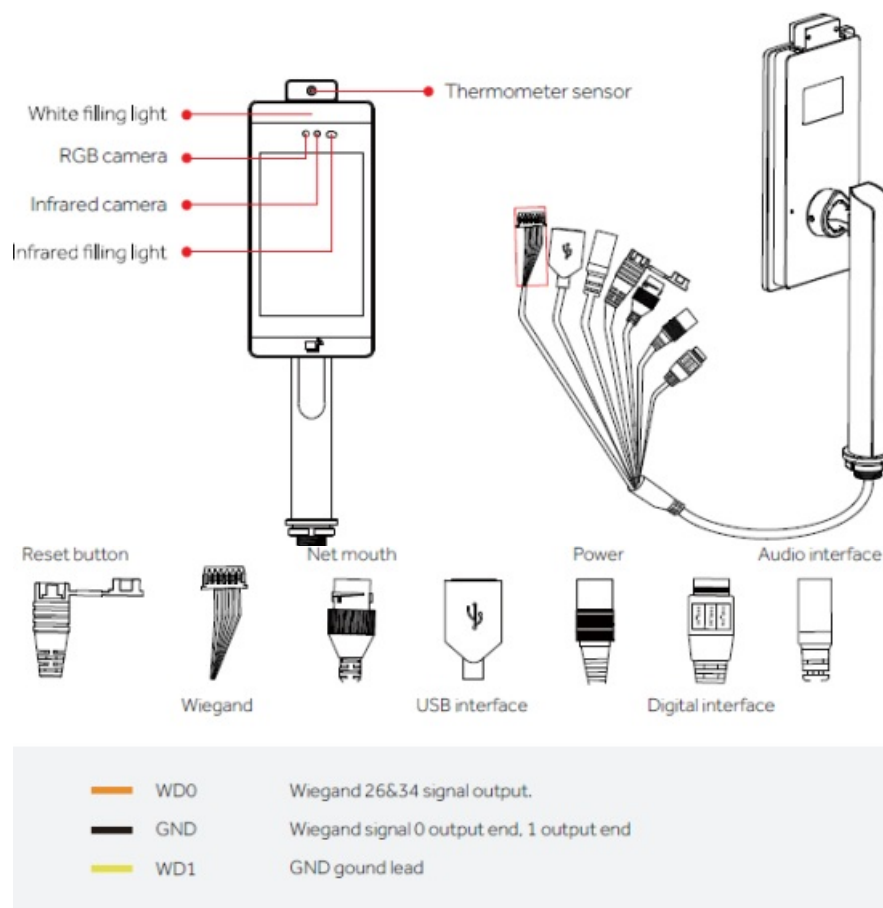
Platform/Software Operating Instruction

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

Appearance description

Instruction

White filling light
RGB camera
Infrared camera
Infrared filling light

Thermometer sensor

Reset button   Net mouth   Power   Audio interface

Wiegand   USB interface   Digital interface

|	WD0	Wiegand 26&34 signal output.
	GND	Wiegand signal 0 output end, 1 output end
	WD1	GND gound lead

(Picture for reference only. Subject to our product)

Illumination intensity

The recognized face, of which, the illumination intensity ("intensity" in short) shall not be lower than 30 Lux when the device 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.
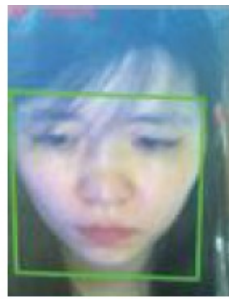
Intensity test

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' s face at this time.
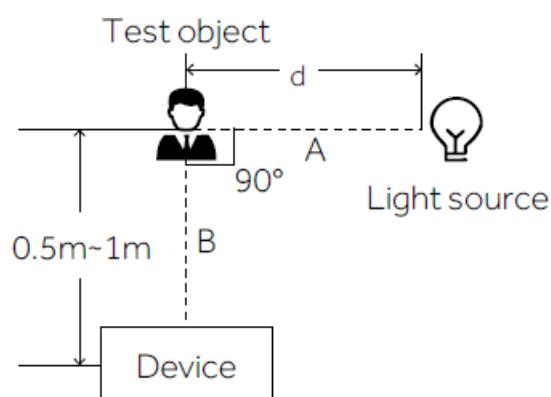
Reference to intensity
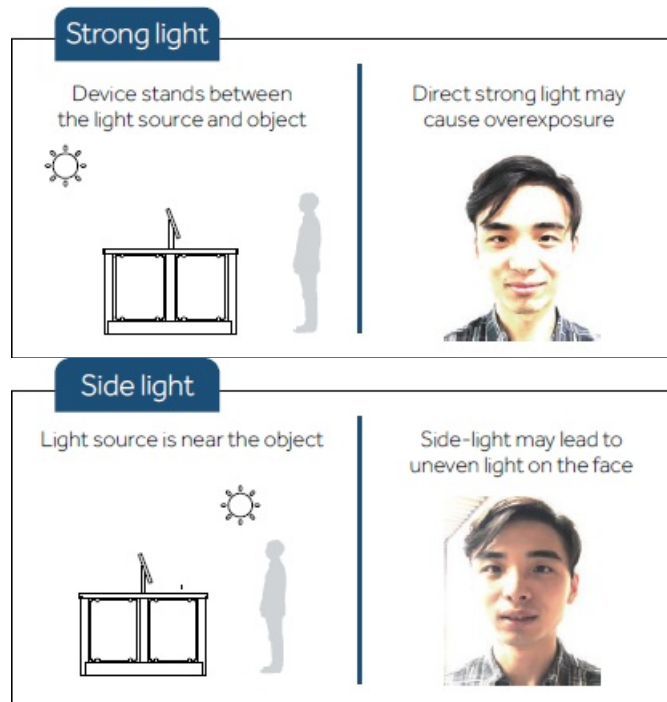
30 Lux, dim   50 Lux, normal
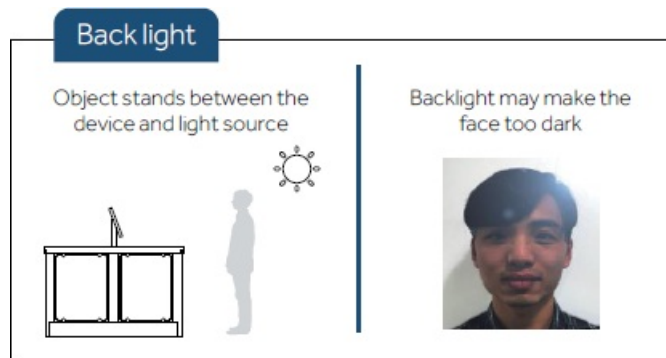
100 Lux, bright   300 Lux, slight exposure   500Lux, overexposure

Illumination intensity in actual scenarios

Light issues may lead to big differences between site image and registered image; backlight, side-light and strong light will influence the recognition experience. (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 influence the identity judgement.)

Strong light

Device stands between the light source and object

Direct strong light may cause overexposure

Side light

Light source is near the object

Side-light may lead to uneven light on the face

Improvements

1. Install the device in a place with little impact from 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.

Position

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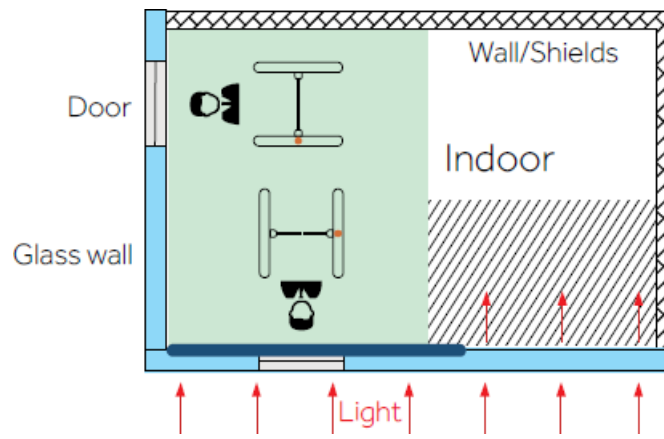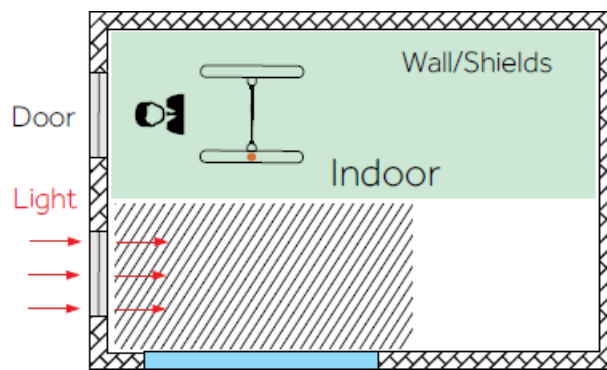

Sunlight shines indoor

When the sunlight shines indoor through the window, the face recognition terminal device shall not be installed in 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)
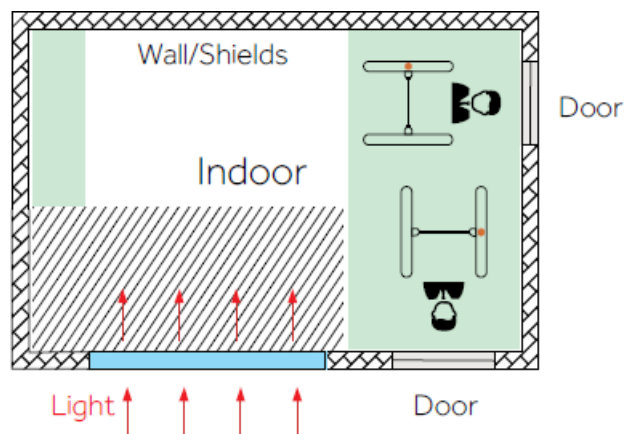

Glass window If the room has glass wall, there is no shield for sunlight, then it is suggested to hang curtains over the window, and install the
the recognition. (Glass window can be deemed as no walls)

Sunlight shines through the door, with glass window at one side Sunlight shines through the door, the device shall be installed at the place with shields and little light impact. Glass window can be deemed as no shields, the device shall be installed at the side without glass window or with curtain hung.
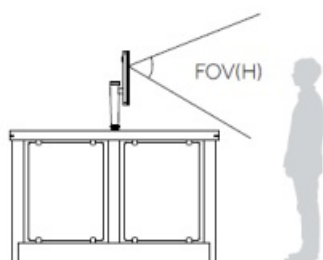

Sunlight shines through the door
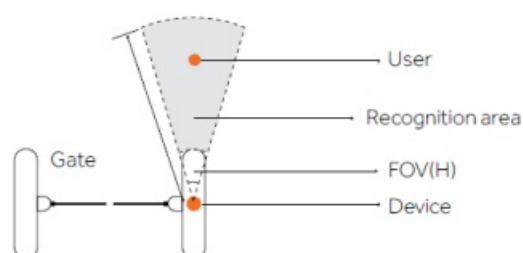Sunlight shines through the door, the device shall be installed at the place with shields and little light impact.
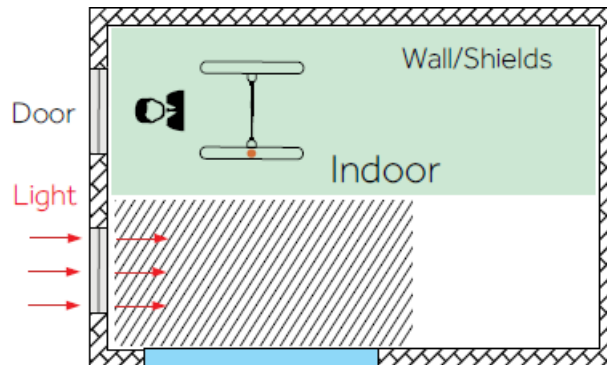

Height

Suggested installation height (the distance between the lens and the ground) is 1.4m, as the recognizable body

height 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 According to the site requirements, drill a 32mm-diameter hole in the gate (commonly in the middle or the front), as shown on the picture, is the suggested hole position.

Single-channel gate
Dual-channel gate
50CM
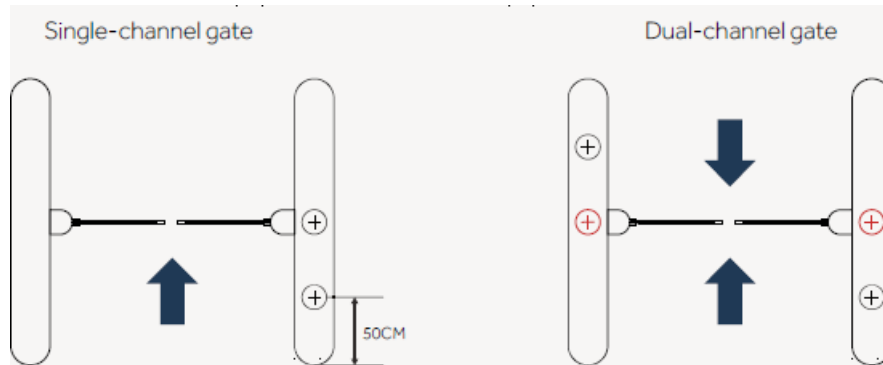
Attention: Hole position should be decided by actual scenes and applied gate type, 50cm is the reference value only.

2 Screw off the fixing nut at the column bottom, thread the cables through the nut.
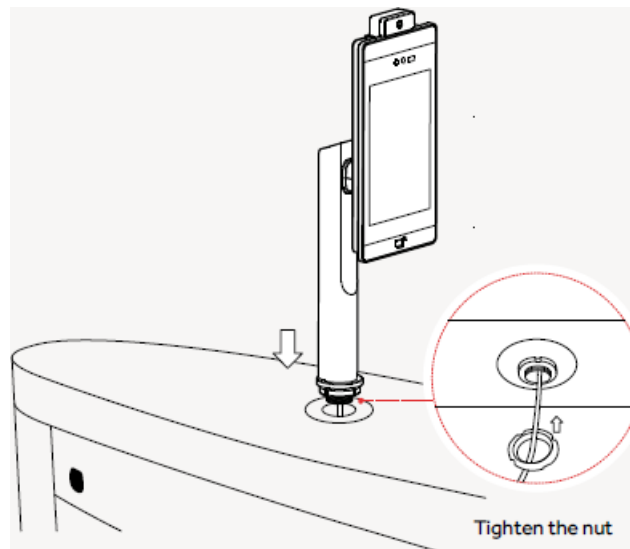

Take down the nut
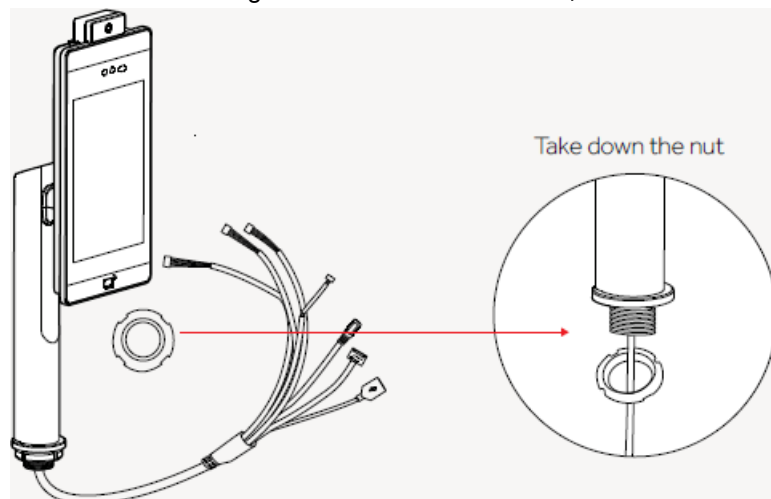
Attention:
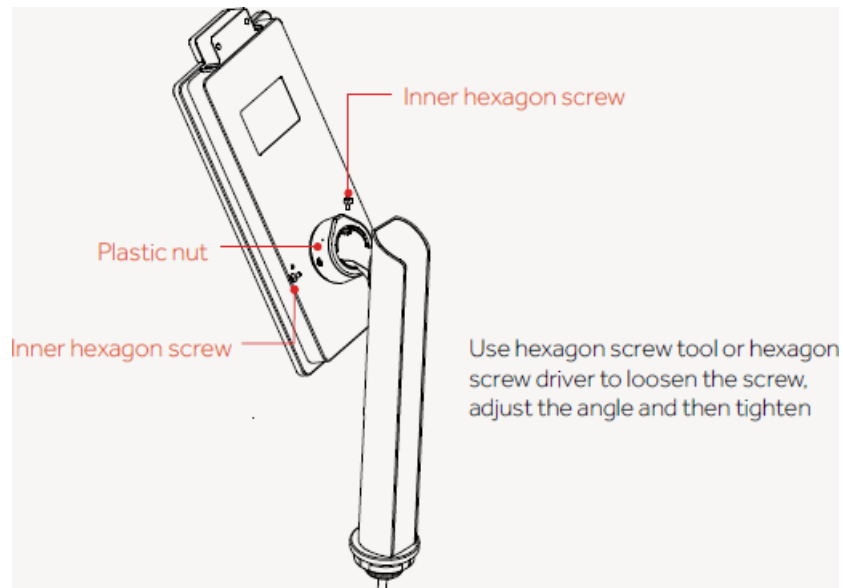a) At this time, do not connect cables such as network cable and power cable, to avoid the trouble of installation.
b) Please thread the 4 cables out one by one, instead of threading all 4 cables together, as shown on the picture.

3 Insert the column and cables into the hole on the gate, from top to bottom.
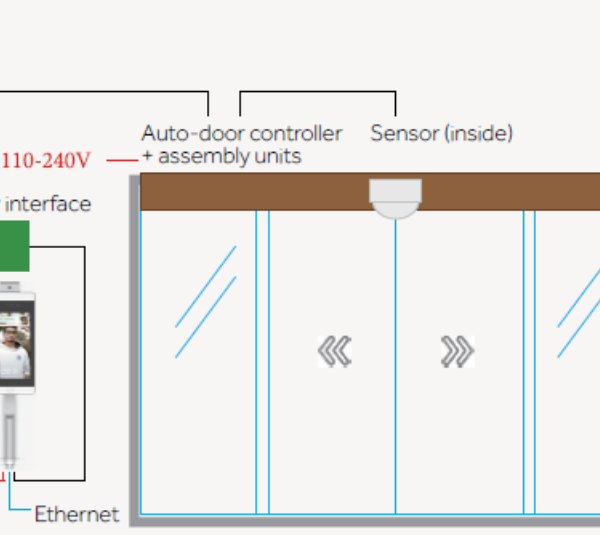
Tighten the nut

4 Connect power and network cable, boot the device and display screen. Adjust the support angle to reach the optimal recognition angle as well as optimal recognition height range.

Inner hexagon screw

Plastic nut

Inner hexagon screw

Use hexagon screw tool or hexagon screw driver to loosen the screw, adjust the angle and then tighten

Wiring connection

Wiring for automatic door

System installation schematic drawing for automatic door

Wiring schematic drawing for sensor switch of automatic door

Installation notes
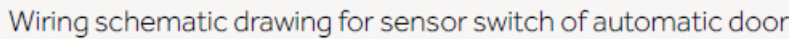
1. When arrange the wires, if the 12V power supply cable of the host does not adopt the "Special power strip" and is in long distance, resulting in large resistance, then abnormal phenomena may occur easily such metering is shown as follow.
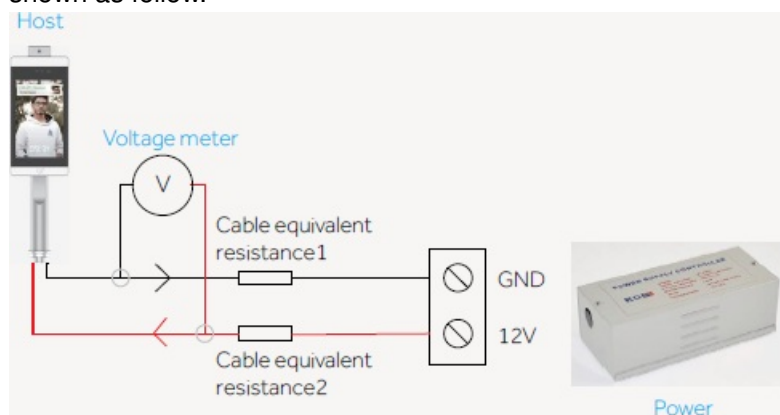
2, Power adapter (brought with the device) of different countries are optional, such as European standard, American standard, British standard and so on.

- Extension of power cable (weak current) can not exceed 2m, otherwise, it may cause insufficient power supply for the host end, and abnormal phenomena like repeat restart, system crash and so on may occur.
- If the power is far away from the device, the power cable can be extended (strong current) may cause repeat restart.
- Fuse other power adapter, 9V 1A as an example, then insufficient voltage and too weak current.
- The cable cannot be too fine (such as network cable and fine line), it is suggested to connect multi-strand cable in parallel or use|copper core bold cable, to ensure voltage >11V.
  Attention: if use network cable. the extension cable uses 4-strand cable as positive pole and 4-strand.cable as 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; passing rate is 99.27%under 0.1% false accept rate).

• Store records in local
(a) Device using cloud platform supports storing 100 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 100 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

• Complete functions
saving the site images of face recognition and stranger detection.

• High extensibility
Supports deployment methods like public network and LAN; supports screen display

• Temperature measurement
Device should be used indoor to avoid the disturbance from heat radiation source, Measurement distance is around 30-50cm, range is around 30~43ºC, and accuracy is ±0.2ºC.

FAQ

• 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, then

• Drop resistance

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

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

• Working temperature
The normal working temperature for this device is -20ºC~50ºC, 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 source.
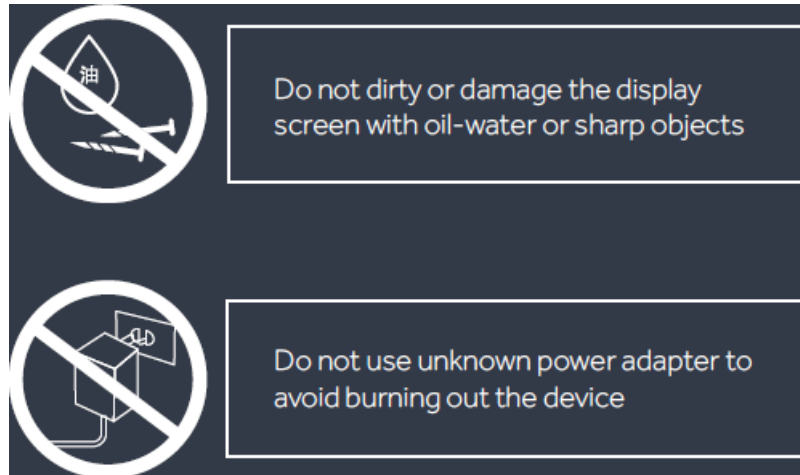
FCC WARNING

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.

FCC Radiation Exposure Statement:

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

Documents / Resources

	Universal Ubiquitous M385C2-V-TEMP Uface 8T-Temp Live Body Detection [pdf] Instruction Manual OS-M385C2, OSM385C2, 2AUI4-OS-M385C2, 2AUI4OSM385C2, M385C2-V-TEMP Uface 8T-Temp Live Body Detection, Uface 8T-Temp Live Body Detection, Live Body Detection, Body Detection, Detection

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