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# Edmax Technology STC07 Face Recognition Temperature Measuring Terminal User Manual

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Measuring Terminal User Manual

**User Manual of Face Recognition Temperature Measuring Terminal**

## Contents

## Model

☐ DM1071-T               ☐ _____

## Product specifications

| Basic parameters | Soc | High-performance AI SoC (4-core A7 + NPU + DSP) |
|---|---|---|
| | Memory | 1GB DDR3 |
| | Storage | EMMC 8GB |
| Identification requirements | Recognize height | 1.2 ~ 2.2 meters, adjustable angle |
| | Recognition distance | 0.5 ~ 1.2 meters |
| | Face angle | 30 degrees left and right, 30 degrees up and down |
| Face recognition | Face recognition accuracy | 99.99%（1:1，FRR 1%) |
| | Living body detection | Support |
| | Recognition speed | <300ms（20000 face library） |
| | Face Library | default 20000, maximum 50000 |
| | 1: 1 face comparison | Support |
| | 1: N face search | Support |
| Infrared thermal imaging module | Temperature measurement accuracy | ≤±0.3℃ |
| | Temperature measurement range | 20℃~45℃ |
| | Total pixels | 120*90，10800 |
| Alarm | Abnormal body temperature alarm | Support (body temperature alarm threshold can be set) |
| | Alarm without a mask | Support (can be set) |
| Internet | LAN | RJ45，100M |
| | Wi-Fi | 2.4G,802.11b/g/n |

| Screen | Size | 7 inch LCD screen |
| --- | --- | --- |
| | Resolution | 600*1024 |
| Camera | Resolution | 2 million |
| | Type | 120DB ultra-wide dynamic binocular camera |
| | Fill light | Built-in fill light, no fear of backlight, dark light environment |
| Interface | Power supply | DC 12V |
| | Internet | 1 RJ45 10M / 100M adaptive Ethernet port |
| | USB | 1 USB 2.0 interface |
| | Lock control | 1 channel lock control signal |
| | Optional | 1 interface, optional RS232 / UART |
| Electrical parameters | Voltage | DC 12V |
| | Electric current | 500mA |
| | Power | 15W |
| | Operating temperature | 20~35℃ |
| | Storage temperature | -25~60℃ |
| Packing List | Host *1, power adapter *1, power adapter *3 (American standard, British standard, European standard), screws *8, certificate of conformity *1 | |

**Interface Description**
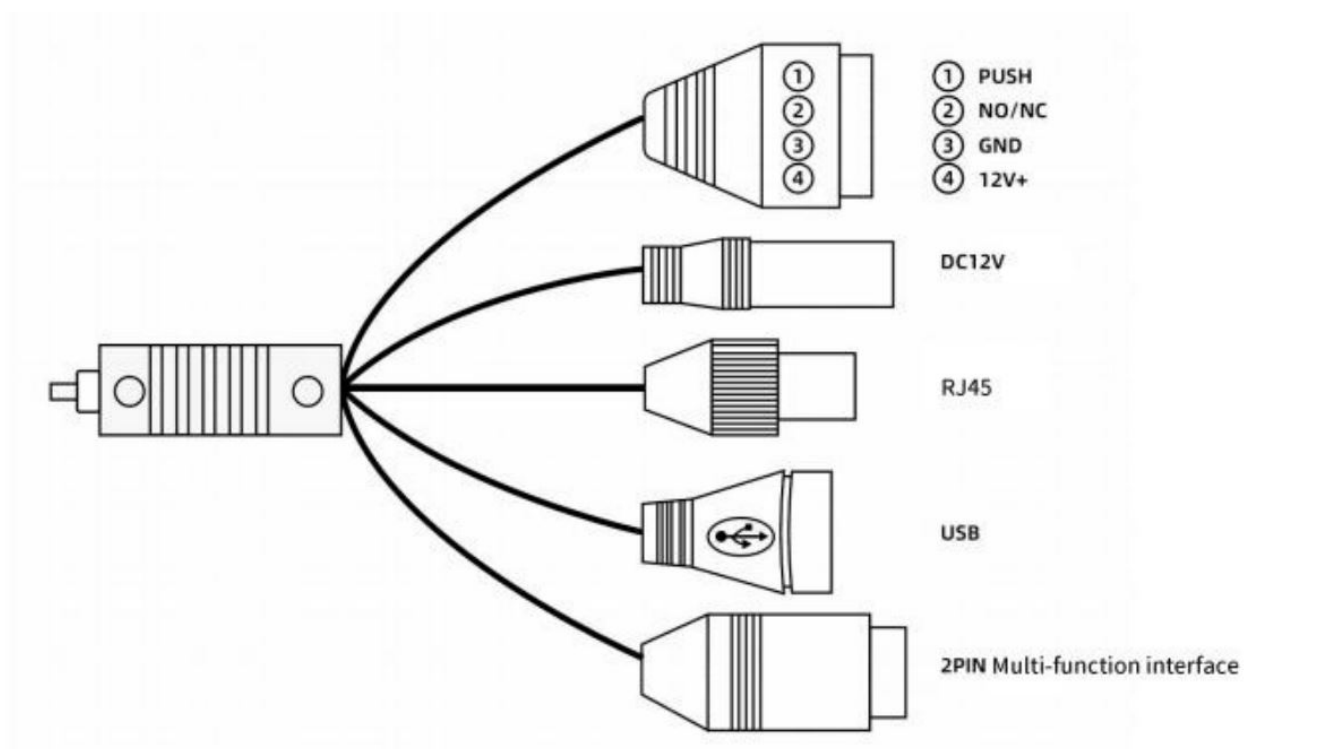
| Line group | | Function group | Line sequence | Terminal name |
|---|---|---|---|---|
| A | 4 pin | Lock control signal | 1 | PUSH_OUT |
| | | | 2 | LOCK_NONC_12V |
| | | | 3 | GND |
| | | | 4 | 12V OUT |
| B | 5.5mm Round socket | power supply | 1 | 12V in |
| | | | 2 | GND |
| C | RJ45 | Ethernet | 1 | Ethernet |
| D | TypeA USB socket | USB Host | 1 | 5V |
| | | | 2 | DN |
| | | | 3 | DP |
| | | | 4 | GND |
| E | 2 pin | Optional RS232 / UART | 1 | D0 / TX |
| | | | 2 | D1 / RX |

**Installation method**

**Wall-mounted**
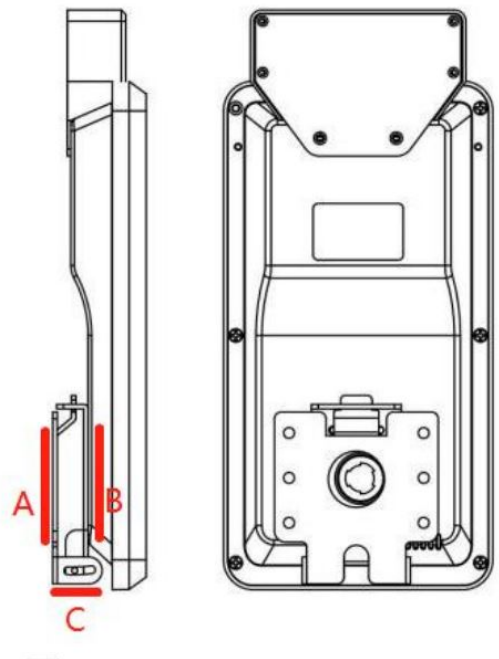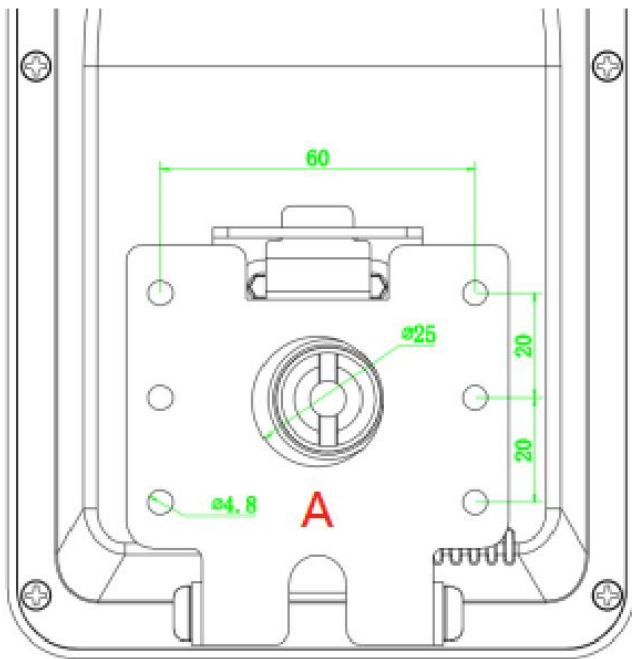
1. Make positioning marks on the wall according to the positions of the 6 fixing holes of the wall-mounted bracket A; After drilling the holes with an impact drill, fix the bracket A with expansion screws;
2. Use the built-in screws to replace the host bracket B with a wall-mounted one, and clip the host buckle B to the wall bracket A;
3. Use the built-in screws to fix the brackets A and B together at C and connect the power supply.

**Upright**

下料长度178.5±0.3
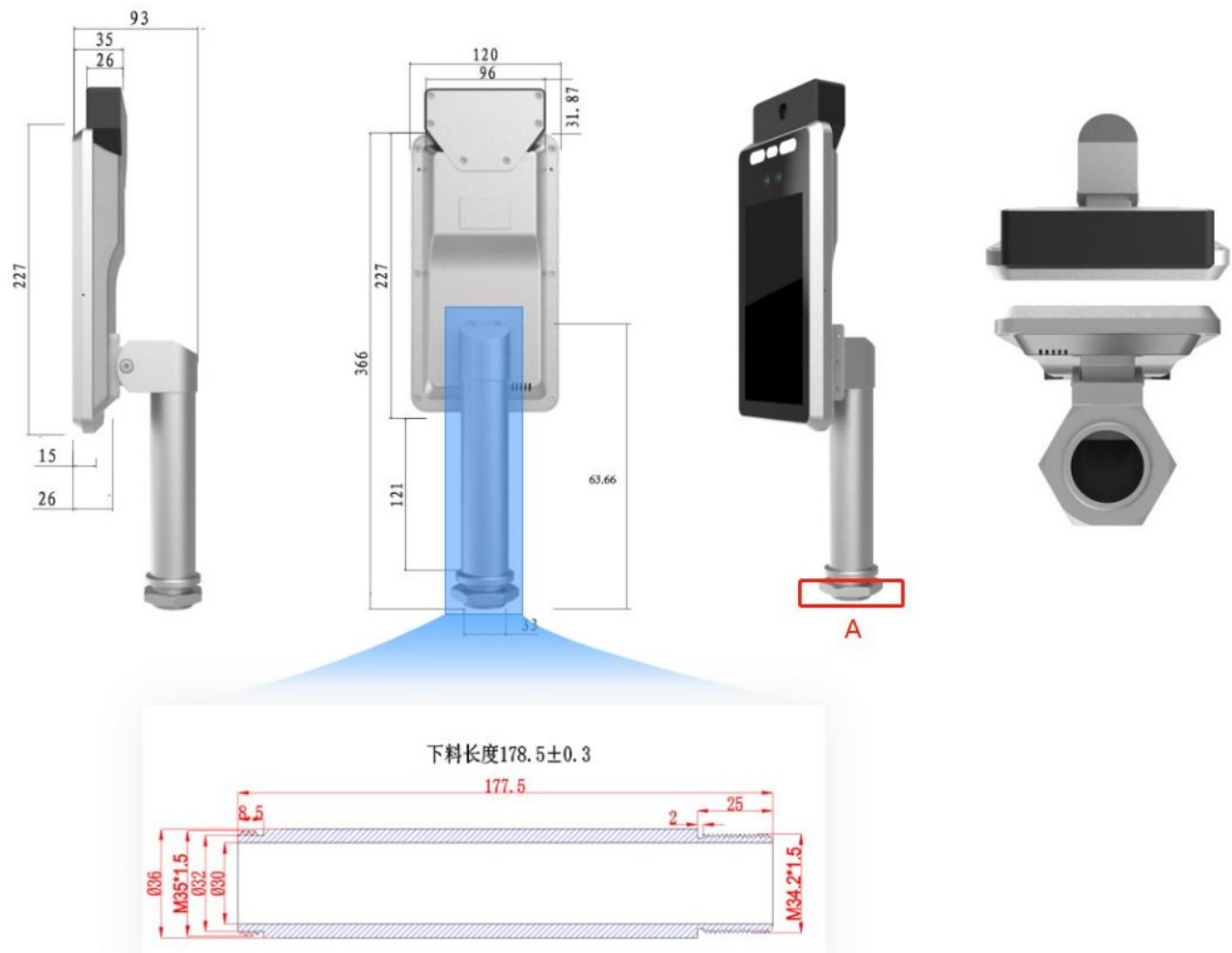
1. According to the gate type and actual use scene, make a hole at the appropriate position of the gate, the reference diameter is 34.2mm;
2. Unscrew the nut A at the bottom of the column to separate the entire host and cables;
3. From above the holes, first pass the cables through the holes one by one, and insert the posts into the holes, and then from below the turnstile, pass the cables through the nut A one by one;
4. Tighten the nut and connect the power supply, Wiegand and light.

**Desktop**
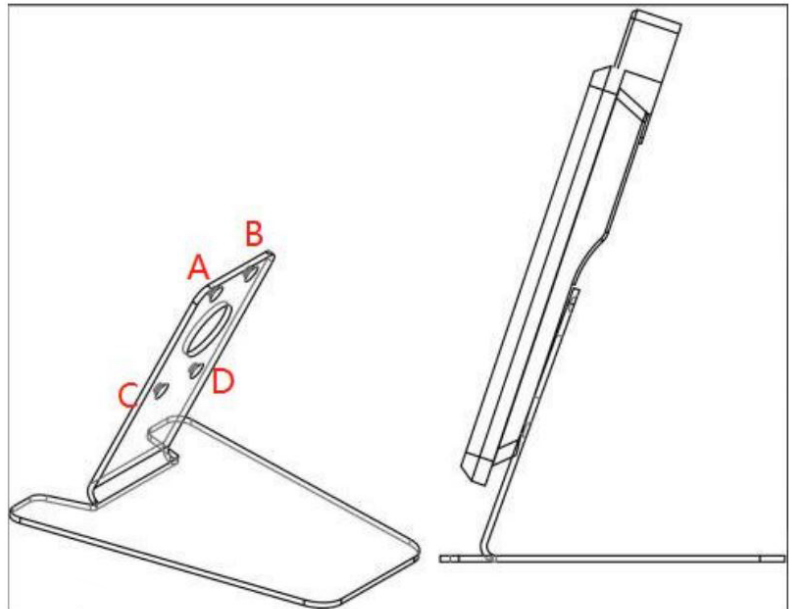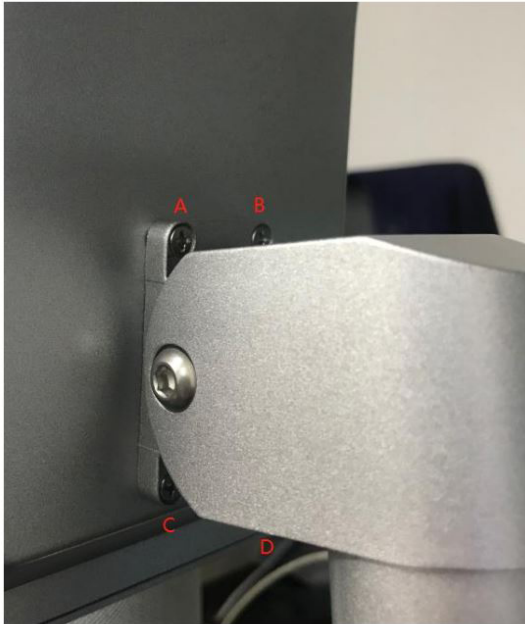
1. Remove the default column bracket, that is, remove all the screws at ABCD in the left picture to separate the column bracket from the host;
2. Take out the desktop support in the right picture, corresponding to the original ABCD position in the left picture, and tighten it with screws;
3. It can be placed on the desktop and can be moved at will. It can be used when connected to the power supply.

**Bracket replacement-column threading method:**



Mobile phone scan code to view video guidance

## Maintenance and maintenance

1. During the installation and use of the product, please strictly abide by the electrical safety regulations in the area of use.
2. Please inspect the product as soon as you receive it. If the product cannot be used normally, please contact the after-sales service personnel. Please do not disassemble and repair it yourself.The company does not assume

any responsibility for product problems caused by disassembly and modification without communication and approval.

3. Please keep your username and password properly.

4. This product has a certain waterproof function, but please do not soak the product in water.

5. Do not disassemble and repair the product by yourself, otherwise it will affect the equipment warranty.

6. Avoid harsh or extreme environments such as extreme high temperature (or low temperature), high humidity, vibration, radiation, and chemical corrosion during installation and use.

**Warranty Card**

_____
_____-

**Warranty Card**

Warranty instructions note:

1. Warranty certificate

Please keep this warranty card properly. If the warranty card is lost, it will not be reissued. Please be sure to keep the invoice or relevant valid proof of purchase and present it when the machine fails to be repaired. If you cannot provide the warranty card or related proof of purchase, the starting date of the product's warranty period will be based on the factory date corresponding to the product serial number.

2. Warranty

From the date of sale, the product can be returned within 7 days if there is a problem, and it can be replaced within 15 days. Under normal use, if there is a hardware failure, you can get one year of free maintenance. After the warranty period, you need to pay for materials and maintenance man-hours. The company will be entitled to charge maintenance fees if it falls under the following factors:

1. The product exceeds the warranty period specified by the company.

2. Failure or damage caused by the use, maintenance, and storage of the product not in accordance with the product manual or the environment indicated in the manual.

3. Damage caused by man-made.

4. Failure or damage caused by installation, repair, debugging or disassembly by maintenance personnel of non-authorized organizations of our company.

5. The use of third-party products causes the company's products to malfunction or damage.

6. Damage caused by accident or other force majeure (such as flood, fire, earthquake, etc.).
   The right to interpret the above terms belongs to the company.

Address:

Customer Service Hotline:
User feedback (please fill in the following information and send it back to our company)
Product model: _____ Product serial number: _____
Dealer Name: _____ Dealer Phone: _____
User name: _____ Date of purchase: _____

mailing address:_____

Email: _____ Phone: _____

| Repair Date | Completion Date | Fault Description | Maintenance Records | Maintenance Organization and Personnel |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

## Warning

**FCC statement**
**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.**

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note: 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.

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.

## ISED Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.

2. This device must accept any interference, including interference that may cause undesired operation of the device.

## ISED Radiation Exposure Statement:

This equipment complies with Canada radiation exposure limits set forth for uncontrolled environments.This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment complies with ISED RSS-102 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.

## Documents / Resources

| | |
|---|---|
|  | [**Edmax Technology STC07 Face Recognition Temperature Measuring Terminal**](#) [pdf] User Manual<br>STC07, 2AXS2-STC07, 2AXS2STC07, STC07 Face Recognition Temperature Measuring Terminal, STC07, Face Recognition Temperature Measuring Terminal |