

# Face Recognition Access Control Terminal Quick Guide

V1.00



# 1 Packing List

The package contents may vary with device model and version.

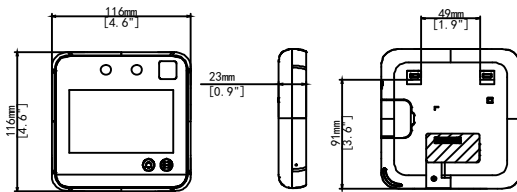
| No. | Name                                     | Qty | Unit |
|-----|--|-----|------|
| 1   | Face recognition access control terminal | 1   | PCS  |
| 2   | Wall mount bracket                       | 1   | PCS  |
| 3   | Tail cable                               | 1   | PCS  |
| 4   | Screw pack                               | 2   | Set  |
| 5   | Drill template                           | 1   | PCS  |
| 6   | Product document                         | 1   | Set  |

# 2 Introduction

The face recognition access control terminal (hereinafter referred to as terminal) features high performance and high reliability. It can control door opening by face recognition based authentication to implement efficient access control.

## 2.1 Appearance and Dimensions

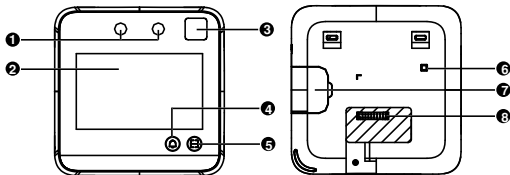
The appearance and dimensions may vary with device model. The figures below are only for illustrative purpose.



## 2.2 Structure

The structure may vary with device model. The figures below are only for illustrative

purpose.



|                   |                         |
|-------------------|-------------------------|
| 1. Camera         | 2. Display screen       |
| 3. IR illuminator | 4. Doorbell button      |
| 5. QR code button | 6. Tamper-proof button  |
| 7. Cover          | 8. Tail cable interface |

## 3 Installation

### 3.1 Wiring

Before installation, plan wiring for power cable, network cable, door lock cable, RS485 cable, etc. The number of cables depends on the actual networking conditions. See the figures below for wiring between the terminal and other devices.



#### **NOTE!**

For wiring terminals of the devices connected to the terminal, see the operation manual of the corresponding devices or consult the device manufacturer.

Figure 3-1 Wiring schematic diagram (without security module)

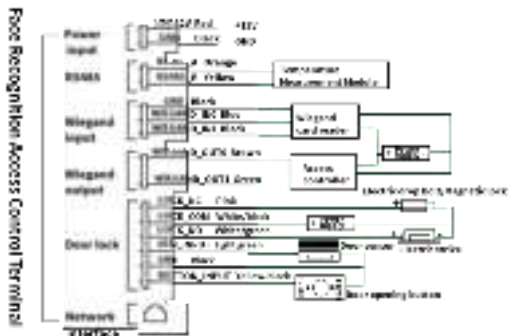
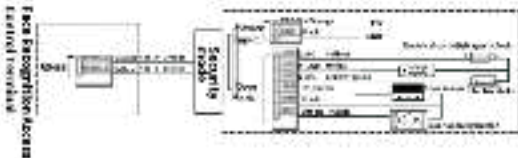


Figure 3-2 Wiring schematic diagram (with security module)



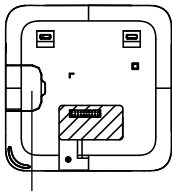
## 3.2 Tools

- Phillips screwdriver
- ESD wrist strap or gloves
- Electric drill
- Tape measure
- Marker

## 3.3 Installation Steps

### 3.3.1 Wall Mount

1. (Optional) Install a temperature measurement module onto the cover of the terminal by the clip.



Attach the module onto the

2. Determine the position of the 86\*86mm junction box.

The two installation holes on the box should be parallel to the ground during actual installation.

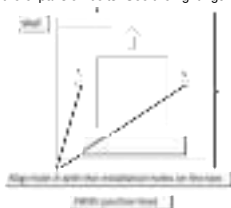


**NOTE:**

If no junction box has been buried in the wall, skip to step 3.

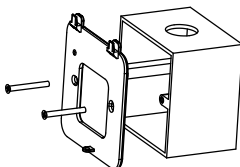
3. Paste the drill template.

- With junction box: Align the two holes (A) on the drill template with the two installation holes on the junction box. See the left figure below.
- Without junction box: Paste the drill template on the wall with the arrow perpendicular to the ground. Use a  $\varnothing 6.5\text{mm}$  drill bit to drill two 30 mm-depth holes on the A position (be careful not to damage cables in the wall), then insert the expansion bolts. See the right figure below.



4. Mount the bracket.

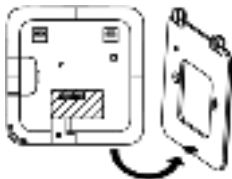
Align bracket holes with installation holes of the junction box on the wall, and tighten the screws to fasten the bracket by using the Phillips screwdriver.



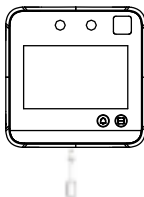
**NOTE:**

If no junction box, you need to drill the bracket holes on the wall.

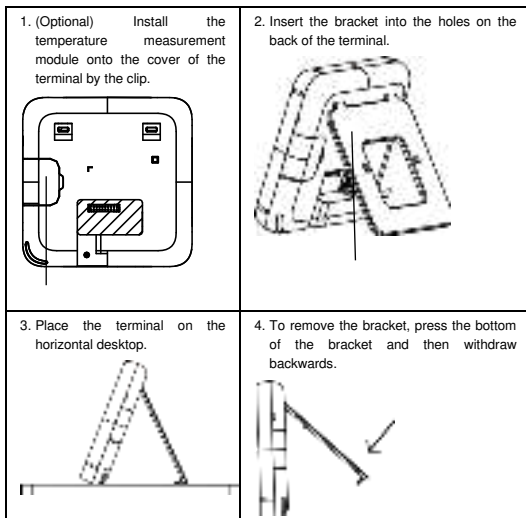
5. Fasten the terminal to the bracket hook.



6. Use the screwdriver to tighten the tamper-proof screw at the bottom of the terminal.



### 3.3.2 Desktop Mounting



## 4 Startup

After the terminal is installed correctly, connect one end of the power adapter (user-purchased or prepared) to the power interface of the terminal and the other end to the mains supply to start it up. The display screen lights up and live video is displayed when the terminal is started successfully.

## 5 Appendix

### 5.1 Face Photo Collection Requirements

- General requirement: Facing the camera without wearing a hat, cap, etc.
- Range requirement: The photo should show both ears and the complete part from the top of the head (including hair) to the bottom of the neck of the person.
- Color requirement: True color photo.
- Makeup requirement: Heavy makeup is not allowed, including eyebrow makeup and eyelash makeup.

- Background requirement: A solid color such as white or blue is acceptable.
- Light requirement: Not too dark or too bright, and not partially dark and partially bright.

## 5.2 Face Recognition Requirements

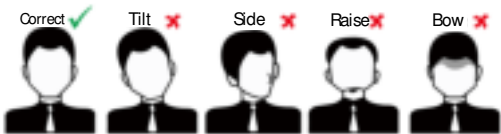
- Facial Expression

To ensure the collection quality and comparison accuracy of face photos, keep a natural facial expression during face collection and comparison.



- Head Pose

To ensure face collection quality, keep your face in the center of the recognition window and avoid incorrect poses shown below.





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- This manual is intended for multiple product models, and the photos, illustrations, descriptions, etc, in this manual may be different from the actual appearances, functions, features, etc, of the product.
- This manual is intended for multiple software versions, and the illustrations and descriptions in this manual may be different from the actual GUI and functions of the software.
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## Network Security

### Please take all necessary measures to enhance network security for your device.

The following are necessary measures for the network security of your device:

- **Change default password and set strong password:** You are strongly recommended to change the default password after your first login and set a strong password of at least nine characters including all three elements: digits, letters and special characters.
- **Keep firmware up to date:** It is recommended that your device is always upgraded to the latest version for the latest functions and better security. Visit Uniview's official website or contact your local dealer for the latest firmware.
- **The following are recommendations for enhancing network security of your device:**
- **Change password regularly:** Change your device password on a regular basis and keep the password safe. Make sure only the authorized user can log in to the device.
- **Enable HTTPS/SSL:** Use SSL certificate to encrypt HTTP communications and ensure data security.
- **Enable IP address filtering:** Allow access only from the specified IP addresses.
- **Minimum port mapping:** Configure your router or firewall to open a minimum set of ports to the WAN and keep only the necessary port mappings. Never set the device as the DMZ host or configure a full cone NAT.
- **Disable the automatic login and save password features:** If multiple users have access to your computer, it is recommended that you disable these features to prevent unauthorized access.
- **Choose username and password discretely:** Avoid using the username and password of your social media, bank, email account, etc, as the username and password of your device, in case your social media, bank and email account information is leaked.
- **Restrict user permissions:** If more than one user needs access to your system, make sure each user is granted only the necessary permissions.
- **Disable UPnP:** When UPnP is enabled, the router will automatically map internal ports, and the system will automatically forward port data, which results in the risks of data leakage. Therefore, it is recommended to disable UPnP if HTTP and TCP port mapping have been enabled manually on your router.
- **Multicast:** Multicast is intended to transmit video to multiple devices. If you do not use this function, it is recommended you disable multicast on your network.
- **Check logs:** Check your device logs regularly to detect unauthorized access or abnormal operations.
- **Isolate video surveillance network:** Isolating your video surveillance network with other service networks helps prevent unauthorized access to devices in your security system from other service networks.
- **Physical protection:** Keep the device in a locked room or cabinet to prevent unauthorized physical access.
- **SNMP:** Disable SNMP if you do not use it. If you do use it, then SNMPv3 is recommended.

### Learn More

You may also obtain security information under Security Response Center at Uniview's official website.

### **Safety Warnings**

The device must be installed, serviced and maintained by a trained professional with necessary safety knowledge and skills. Before you start using the device, please read through this guide carefully and make sure all applicable requirements are met to avoid danger and loss of property.

### **Storage, Transportation, and Use**

- Store or use the device in a proper environment that meets environmental requirements, including and not limited to, temperature, humidity, dust, corrosive gases, electromagnetic radiation, etc.
- Make sure the device is securely installed or placed on a flat surface to prevent falling.
- Unless otherwise specified, do not stack devices.
- Ensure good ventilation in the operating environment. Do not cover the vents on the device. Allow adequate space for ventilation.
- Protect the device from liquid of any kind.
- Make sure the power supply provides a stable voltage that meets the power requirements of the device. Make sure the power supply's output power exceeds the total maximum power of all the connected devices.
- Verify that the device is properly installed before connecting it to power.
- Do not remove the seal from the device body without consulting Uniview first. Do not attempt to service the product yourself. Contact a trained professional for maintenance.
- Always disconnect the device from power before attempting to move the device.
- Take proper waterproof measures in accordance with requirements before using the device outdoors.

### **Power Requirements**

- Install and use the device in strict accordance with your local electrical safety regulations.
- Use a UL certified power supply that meets LPS requirements if an adapter is used.
- Use the recommended cordset (power cord) in accordance with the specified ratings.
- Only use the power adapter supplied with your device.
- Use a mains socket outlet with a protective earthing (grounding) connection.
- Ground your device properly if the device is intended to be grounded.

### **Battery Use Caution**

- When battery is used, avoid:
  - Extremely high or low temperature and air pressure during use, storage and transportation.
  - Battery replacement.
- Use the battery properly. Improper use of the battery such as the following may cause risks of fire, explosion or leakage of flammable liquid or gas.
  - Replace battery with an incorrect type;
  - Dispose of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery;
- Dispose of the used battery according to your local regulations or the battery manufacturer's instructions.

### **Avvertimento de l'utilisazione de la batterie**

- Lorsque utiliser la batterie, évitez:
  - Température et pression d'air extrêmement élevées ou basses pendant l'utilisation, le stockage et le transport.
  - Remplacement de la batterie.
- Utilisez la batterie correctement. Mauvaise utilisation de la batterie comme celles mentionnées ici, peut entraîner des risques d'incendie, d'explosion ou de fuite liquide de gaz inflammables.
  - Remplacer la batterie par un type incorrect;
  - Disposer d'une batterie dans le feu ou un four chaud, écraser mécaniquement ou couper la batterie;
- Disposer la batterie utilisée conformément à vos règlements locaux ou aux instructions du fabricant de la batterie.

## Regulatory Compliance

### FCC Statements

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. Visit [http://en.uniview.com/Support/Download\\_Center/Product\\_Installation/Declaration/](http://en.uniview.com/Support/Download_Center/Product_Installation/Declaration/) for SDoC 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.

### RF 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 a minimum distance of 20cm between the radiator and any part of your body..

### LVD/EMC Directive



This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.

### WEEE Directive-2012/19/EU



The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.

### Battery Directive-2013/56/EC



Battery in the product complies with the European Battery Directive 2013/56/EC. For proper recycling, return the battery to your supplier or to a designated collection point.