# DS-K1F600U-D6E Series Enrollment Station

## Quick Start Guide

# Legal Information

## About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website ( ***https://www.hikvision.com/*** ).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

## Trademarks

**HIKVISION** and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.

Other trademarks and logos mentioned are the properties of their respective owners.

## Disclaimer

PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.
IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.

**Data Protection**

During the use of device, personal data will be collected, stored and processed. To protect data, the development of Hikvision devices incorporates privacy by design principles. For example, for device with facial recognition features, biometrics data is stored in your device with encryption method; for fingerprint device, only fingerprint template will be saved, which is impossible to reconstruct a fingerprint image.
As data controller, you are advised to collect, store, process and transfer data in accordance with the applicable data protection laws and regulations, including without limitation, conducting security controls to safeguard personal data, such as, implementing reasonable administrative and physical security controls, conduct periodic reviews and assessments of the effectiveness of your security controls.

# Available Model

| Product Name | Model | Description |
|---|---|---|
| Enrollment Station | DS-K1F600U-D6E | Supports enroll face and card No. |
| | DS-K1F600U-D6E-F | Supports enroll face, fingerprint, and card No. |

Scan the QR code to get the user manual of enrollment station. Note that mobile data charges may apply if Wi-Fi is unavailable.

Use only power supplies listed in the user instructions:

| Model | Manufacturer | Standard |
|---|---|---|
| ADS-26FSG-12 12018EPB | SHENZHEN HONOR ELECTRONIC CO LTD | PB |
| ADS-26FSG-12 12018EPI-01 | SHENZHEN HONOR ELECTRONIC CO LTD | PI |
| ADS-26FSG-12 12018EPCU | SHENZHEN HONOR ELECTRONIC CO LTD | PCU |
| ADS-26FSG-12 120EPG | SHENZHEN HONOR ELECTRONIC CO LTD | PG |
| MSA-C1500IC12.0-18P-BR | MOSO Power Supply Technology Co., Ltd | PBR |

# Regulatory Information

## FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: 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

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

FCC Conditions

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.

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

## EU Conformity Statement

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see:www.recyclethis.info

# Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into Dangers and Cautions:

**Dangers:** Neglecting any of the warnings may cause serious injury or death.

**Cautions:** Neglecting any of the cautions may cause injury or equipment damage.

| ⚠ | ⚠ |
|---|---|
| **Dangers:** Follow these safeguards to prevent serious injury or death. | **Cautions:** Follow these precautions to prevent potential injury or material damage. |

## ⚠ Danger:

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- 1. This equipment is not suitable for use in locations where children are likely to be present.
  2. CAUTION: Risk of explosion if the battery is replaced by an incorrect type.
  3. Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
  4. Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
  5. Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
  6. Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
  7. Dispose of used batteries according to the instructions.
- This equipment is not suitable for use in locations where children are likely to be present.
- Never place the equipment in an unstable location. The equipment may fall, causing serious personal injury or death.
- To prevent possible hearing damage, do not listen at high volume levels for long periods.
- All the electronic operation should be strictly compliance with the electrical safety regulations, fire prevention regulations and other related regulations in your local region.
- Please use the power adapter, which is provided by normal company. The power consumption cannot be less than the required value.
- Do not connect several devices to one power adapter as adapter overload may cause over-heat or fire hazard.
- Please make sure that the power has been disconnected before you wire, install or dismantle the device.
- When the product is installed on wall or ceiling, the device shall be firmly fixed.

- If smoke, odors or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
- Do not ingest battery, Chemical Burn Hazard.
  This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
  Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the device yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

### ⚠ Cautions:

- No naked flame sources, such as lighted candles, should be placed on the equipment.
- The USB port of the equipment is used for connecting to a mouse, a keyboard, or a USB flash drive only.
- The serial port of the equipment is used for debugging only.
- Keep upside when moving or using the equipment.
- Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
- Do not place the device in extremely hot (refer to the specification of the device for the detailed operating temperature), cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.
- The device cover for indoor use shall be kept from rain and moisture.
- Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).
- Do not aim the device at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of sensor at the same time.
- Please use the provided glove when open up the device cover, avoid direct contact with the device cover, because the acidic sweat of the fingers may erode the surface coating of the device cover.
- Please use a soft and dry cloth when clean inside and outside surfaces of the device cover, do not use alkaline detergents.
- Please keep all wrappers after unpack them for future use. In case of any failure occurred, you need to return the device to the factory with the original wrapper. Transportation without the original wrapper may result in damage on the device and lead to additional costs.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.
- Biometric recognition products are not 100% applicable to anti-spoofing environments. If you require a higher security level, use multiple authentication modes.

- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 100~240 VAC or 12 VDC according to the IEC60950-1 standard. Please refer to technical specifications for detailed information.
- Please take care of your card and report card loss in time when card is lost.
- Multiple card types are supported. Please select an appropriate card type according to the card performance and the usage scenarios.
- Working temperature: -10 °C to 50 °C (14 °F to 122 °F)

# Contents

# Chapter 1 Overview

**Introduction**



**Figure 1-1 Product Appearance**

The enrollment station can realize multiple user information's enrollment on one device. It supports enrolling face picture, fingerprint (parts of the device model support), 13.56 MHz IC card No., and 125KHz ID card No.

**Features**

- 3.97-inch LCD touch screen for face recognition, parameters configuration, live view, etc.
- 2 MP wide-angle dual-lens
- Face anti-spoofing
- Deep learning algorithm
- 2,000 user capacity, 2,000 face capacity, 20,000 card capacity, and 20,000 fingerprint capacity
- Enrolls data via the device and transmits the data from the device to the platform via TCP/IP protocol.
  Enrolls data remotely via the client software
- Stand-alone operation
- Manage, search and set device data after logging in the device locally
- Supports communicating with the platform via USB or network. ( This function may vary with different models. )

# Chapter 2 Appearance
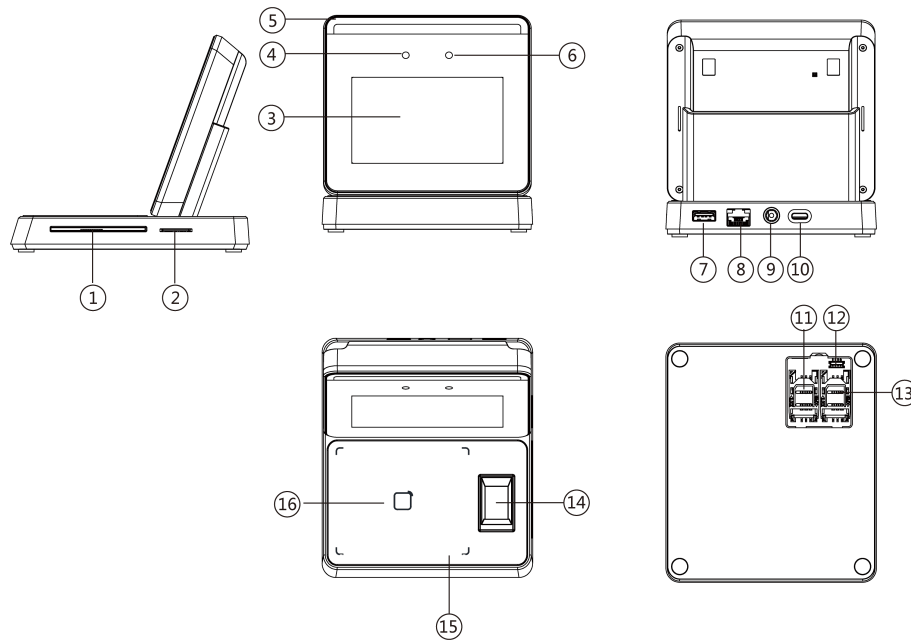


**Figure 2-1 Appearance**

**Table 2-1 Appearance Description**

| No. | Description |
|-----|-------------|
| 1 | PSAM3 Card Slot (Reserved) |
| 2 | PSAM4 Card Slot (Reserved) |
| 3 | Screen |
| 4 | Camera |
| 5 | Supplement Light |
| 6 | Camera |
| 7 | USB Interface<br><br>📖**Note**<br>For data import and export. |
| 8 | Network Interface |
| 9 | Power Interface |
| 10 | Type-C USB |

| No. | Description |
| --- | --- |
| | ⊡**Note**<br>For data communication. |
| 11 | PSAM Card Slot (Reserved) |
| 12 | Debugging Port<br><br>⊡**Note**<br><br>For debugging use only. |
| 13 | PSAM Card Slot (Reserved) |
| 14 | Fingerprint Module<br><br>⊡**Note**<br><br>Parts of the device models support. |
| 15 | Indicator |
| 16 | Card Presenting Area |

# Chapter 3 Activation

You should activate the device before the first login. After powering on the device, the system will switch to Device Activation page.

Activation via the device, SADP tool and the client software are supported.

The default values of the device are as follows:

- The default IP address: 192.0.0.64
- The default port No.: 8000
- The default user name: admin

## 3.1 Activate via Device

If the device is not activated, you can activate the device after it is powered on.

On the Activate Device page, create a password and confirm the password. Tap **Activate** and the device will be activated.
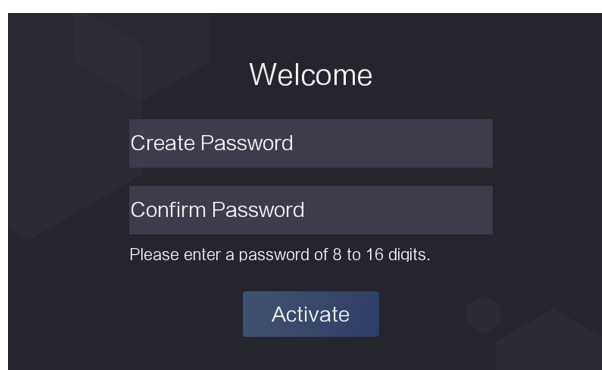


**Figure 3-1 Activation Page**

⚠️**Caution**

The password strength of the device can be automatically checked. We highly recommend you change the password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.
Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

After activation, if you need to add the device to the client software or other platforms, you should edit the device IP address. For details, see *Communication Settings*.

## 3.2 Activate via SADP

SADP is a tool to detect, activate and modify the IP address of the device over the LAN.

**Before You Start**
- Get the SADP software from the supplied disk or the official website ***http://www.hikvision.com/en/*** , and install the SADP according to the prompts.
- The device and the PC that runs the SADP tool should be within the same subnet.

The following steps show how to activate a device and modify its IP address. For batch activation and IP addresses modification, refer to *User Manual of SADP* for details.

**Steps**
1. Run the SADP software and search the online devices.
2. Find and select your device in online device list.
3. Input new password (admin password) and confirm the password.

⚠ **Caution**

STRONG PASSWORD RECOMMENDED-We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

4. Click **Activate** to start activation.
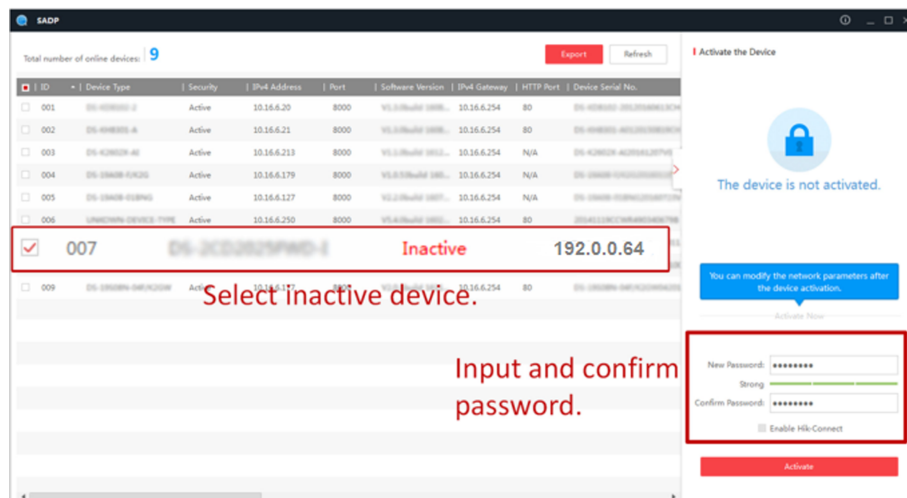


Status of the device becomes **Active** after successful activation.
5. Modify IP address of the device.
   1) Select the device.
   2) Change the device IP address to the same subnet as your computer by modifying the IP address manually.
   3) Input the admin password and click **Modify** to activate your IP address modification.

# Chapter 4 Select Language

After activation, you should select a language.

**Steps**

**1.** After activation, tap **OK** on the pop-up window. You will enter the language page.
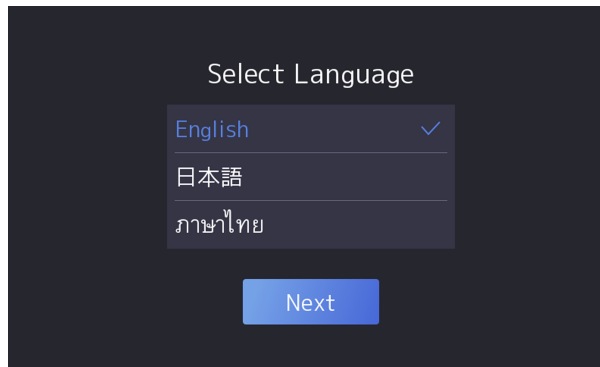
**Figure 4-1 Select Language**

**2.** Select a language according to the actual needs.

**3.** Click **Next** to save the settings.

# Chapter 5 Enroll Administrator's Face

After selecting language, you should enroll an administrator's face for further operation. The administrator can login the device backend to manage and configure data.

**Steps**

**1.** After selecting the language, tap **Next** on the pop-up window. You will enter the face enrollment page.
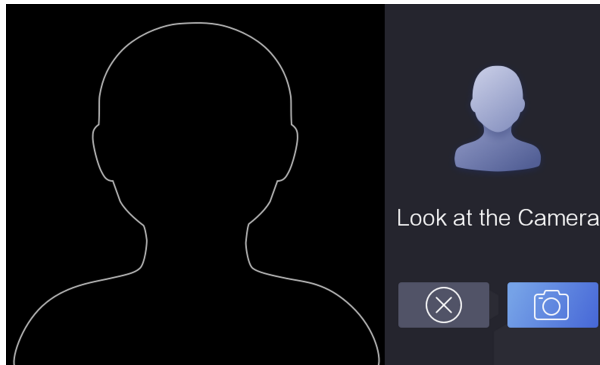


**Figure 5-1 Face Enrollment Page**

**2.** Enroll the administrator's face.

1) Tap [icon] and follow the instructions to enroll the face.

> **[i] Note**
>
> Make sure that the enrolling face is in face shaped area.

2) Tap [icon] to exit the face enrollment page and back to the initial page.

> **[i] Note**
>
> After logging in the device home page, you can enter the **Administrator** module to edit the administrator's information. For details, see **Add Administrator** in the user manual.

# Chapter 6 Enroll via Device

## 6.1 Enroll Face via Device

**Before You Start**

• Power on and activate the device. For details about the activation, see *Activation* .

• Enable **Face Required** in the Enrollment Rule page after logging in the device. For details, see *Set Enrollment Rule* in the user manual.

**Steps**

1. Tap 🔘 on the initial page.
2. **Optional:** If you have added an administrator's face in **Add Administrator** and enabled **Verify by Administrator** in **Set Enrollment Rule**, you should verify the administrator's permission.
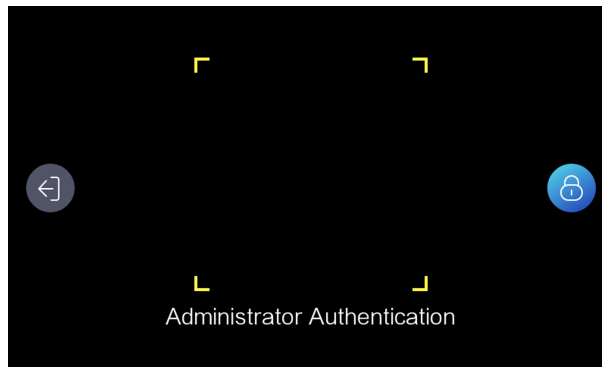


**Figure 6-1 Authenticate Administrator Page**

 - Make sure the face is in the face recognition frame when authentication.

   **ⓘNote**

   For details about face recognition, see *Tips When Collecting/Comparing Face Picture* .

 - Tap 🔓 on the right side and enter the administrator's name and password.
3. Enter the User Enrollment page.
 - For user not added: Create an employee ID and tap **Add** or present a card on the card presenting area.
 - For user added: Enter the created employee ID and tap **Search** or present a card on the card presenting area.
4. Enroll face.
   1) Tap 👤 to enter the face enrollment page.
   2) Tap 📷 and follow the instructions to enroll the face.

   **ⓘNote**

   Make sure that face is in the face recognition frame.

   3) **Optional:** Tap 📷 to enroll the face again.
   4) Tap ✅ to complete the face enrollment.

**Note**

For details about face recognition, see ***Tips When Collecting/Comparing Face Picture*** .

5. **Optional:** Tap ✎ to edit the employee ID.

## 6.2 Enroll Fingerprint via Device

**Before You Start**

- Power on and activate the device. For details about the activation, see ***Activation*** .
- Set fingers in **Select Finger** in the Enrollment Rule page after logging in the device. For details, see *Set Enrollment Rule* in the user manual.

**Steps**

1. Tap 👤 on the initial page.
2. **Optional:** If you have added an administrator's face in **Add Administrator** and enabled **Verify by Administrator** in **Set Enrollment Rule**, you should verify the administrator's permission.



**Figure 6-2 Authenticate Administrator Page**

- Make sure the face is in the face recognition frame when authentication.

**Note**

For details about face recognition, see ***Tips When Collecting/Comparing Face Picture*** .

- Tap 🔒 on the right side and enter the administrator's name and password.
3. Enter the User Enrollment page.
   - For user not added: Create an employee ID and tap **Add** or present a card on the card presenting area.
   - For user added: Enter the created employee ID and tap **Search** or present a card on the card presenting area.
4. Enroll fingerprint.
   1) Tap 👆 to enter the Select Finger page.
   2) Select a finger on the Select Finger page.

> **Note**
>
> You can set fingers in **Set Enrollment Rule**.

3) Follow the instructions and press a finger on the fingerprint module.

   If the fingerprint is enrolled, the enrolled fingerprint on Select Finger page will turn to blue.

4) **Optional:** Tap the enrolled fingerprint (in blue) and tap **OK** in the dialogue box to clear the enrolled data and enroll a new fingerprint.

5. **Optional:** Tap ✎ to edit the employee ID.

## 6.3 Enroll Card via Device

**Before You Start**

- Power on and activate the device. For details about the activation, see *Activation* .
- Set **Card Number per User** and **Card No. Length** in the Enrollment Rule page after logging in the device. For details, see *Set Enrollment Rule* in the user manual.

**Steps**

1. Tap 🔲 on the initial page.
2. **Optional:** If you have added an administrator's face in **Add Administrator** and enabled **Verify by Administrator** in **Set Enrollment Rule**, you should verify the administrator's permission.



**Figure 6-3 Authenticate Administrator Page**

- Make sure the face is in the face recognition frame when authentication.

> **Note**
>
> For details about face recognition, see *Tips When Collecting/Comparing Face Picture* .

- Tap 🔒 on the right side and enter the administrator's name and password.

3. Enroll card.

- Present card on the card presenting area and tap **OK** in the dialogue box. Create an employee ID and tap **Next**.
- Create an employee ID in the input box, and tap **Add** to enter the User Enrollment page. Tap 🔲 and present card on the card presenting area.
- Enter the created employee ID and tap **Search** to enter the User Enrollment page. Tap 🔲 and present card on the card presenting area.

4. **Optional:** Tap 📝 to edit the employee ID.

# Appendix A. Tips When Collecting/Comparing Face Picture

The position when collecting or comparing face picture is as below:

**Expression**

• Keep your expression naturally when collecting or comparing face pictures, just like the expression in the picture below.



• Do not wear hat, sunglasses, or other accessories that can affect the facial recognition function.
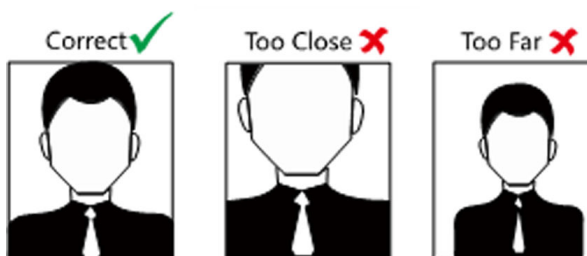• Do not make your hair cover your eyes, ears, etc. and heavy makeup is not allowed.

**Posture**

In order to get a good quality and accurate face picture, position your face looking at the camera when collecting or comparing face pictures.



**Size**

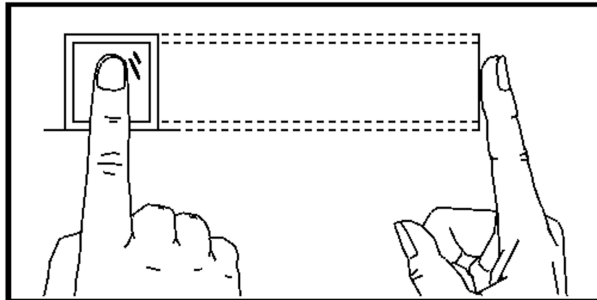Make sure your face is in the middle of the collecting window.

# Appendix B. Tips for Scanning Fingerprint

**Recommended Finger**

Forefinger, middle finger or the third finger.
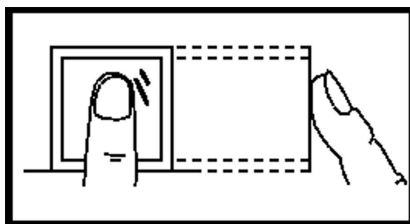
**Correct Scanning**

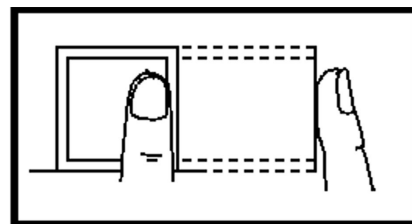The figure displayed below is the correct way to scan your finger:



You should press your finger on the scanner horizontally. The center of your scanned finger should align with the scanner center.
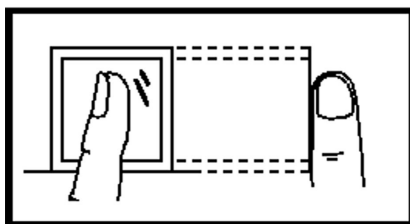
**Incorrect Scanning**

The figures of scanning fingerprint displayed below are incorrect:
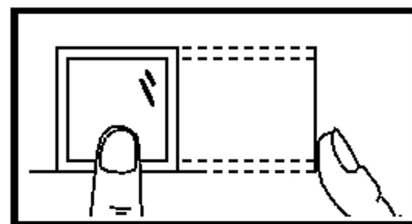


Vertical



Edge I



Side



Edge II

**Environment**

The scanner should avoid direct sun light, high temperature, humid conditions and rain.
When it is dry, the scanner may not recognize your fingerprint successfully. You can blow your finger and scan again.

**Others**

If your fingerprint is shallow, or it is hard to scan your fingerprint, we recommend you to use other authentication methods.

If you have injuries on the scanned finger, the scanner may not recognize. You can change another finger and try again.

# Appendix C. Communication Matrix and Device Command

## Communication Matrix

Scan the following QR code to get the device communication matrix.
Note that the matrix contains all communication ports of Hikvision access control and video intercom devices.



**Figure C-1 QR Code of Communication Matrix**

## Device Command

Scan the following QR code to get the device common serial port commands.
Note that the command list contains all commonly used serial ports commands for all Hikvision access control and video intercom devices.



**Figure C-2 Device Command**

See Far, Go Further