ANVIZ FaceDeep 3 Smart Face Recognition System User Guide

FaceDeep 3 Smart Face Recognition System
User Guide
POWERING A SMARTER WORLD
FaceDeep 3 & FaceDeep 3 IRT
Smart Face Recognition System Quick Guide V1.0
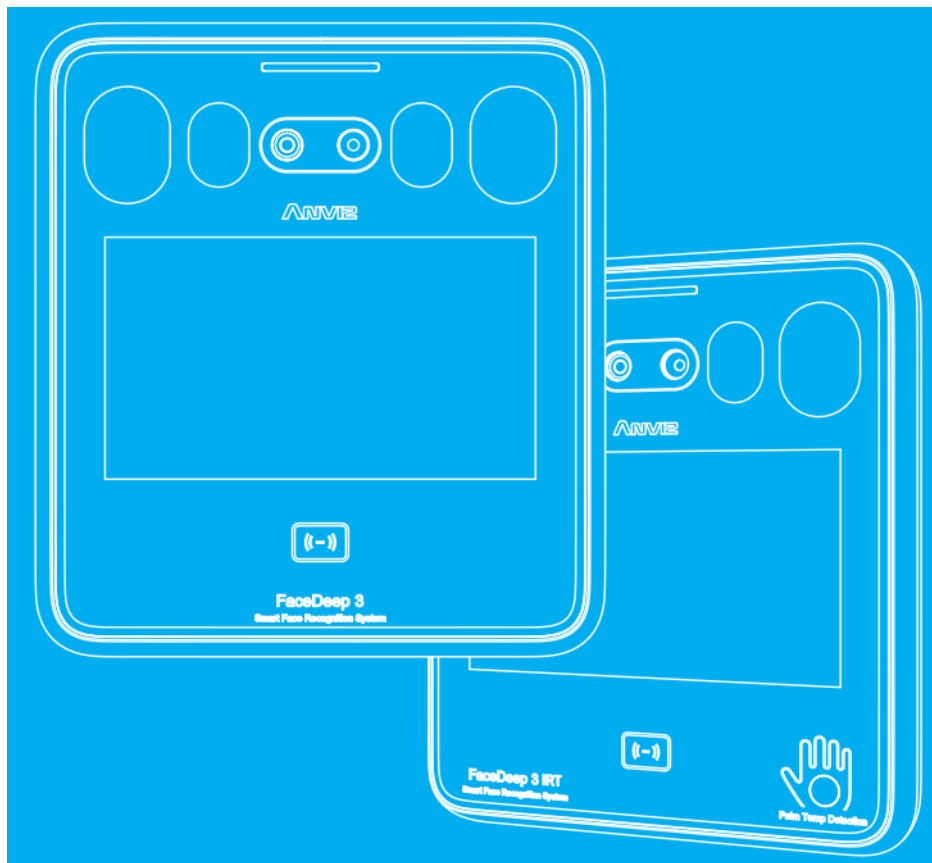
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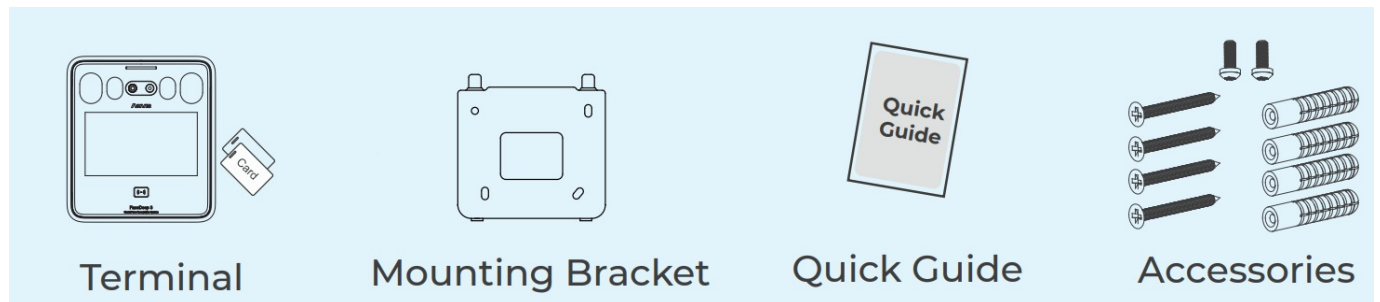
Notice

- Do not use oily water or sharp objects to stain or damage the display screen.
- Fragile parts are used in the equipment, so please avoid operations such as falling, crashing, bending, or heavily pressing.
- The normal working environment of the display screen and key parts of this equipment is the indoor environment. Beyond this temperature range, the equipment will be less effective with reduced functionality and performance.
  Operating temperature: -10~50(14°F ~ 122°F), Operating humidity: 20-90%.
- Please gently wipe the screen and panel with the material of soft cloth.
- Avoid scrubbing with water or detergent. The Face Deep terminal recommended power is DC 12V ~ 2A; When arranging the wires, if the 12V power supply cable is in long-distance, resulting in large resistance, then the insufficient voltage (11V), The device will be repeated restart, system crash and so on.
- When the ambient light change to dark, the Face Deep 3 has filling light itself.
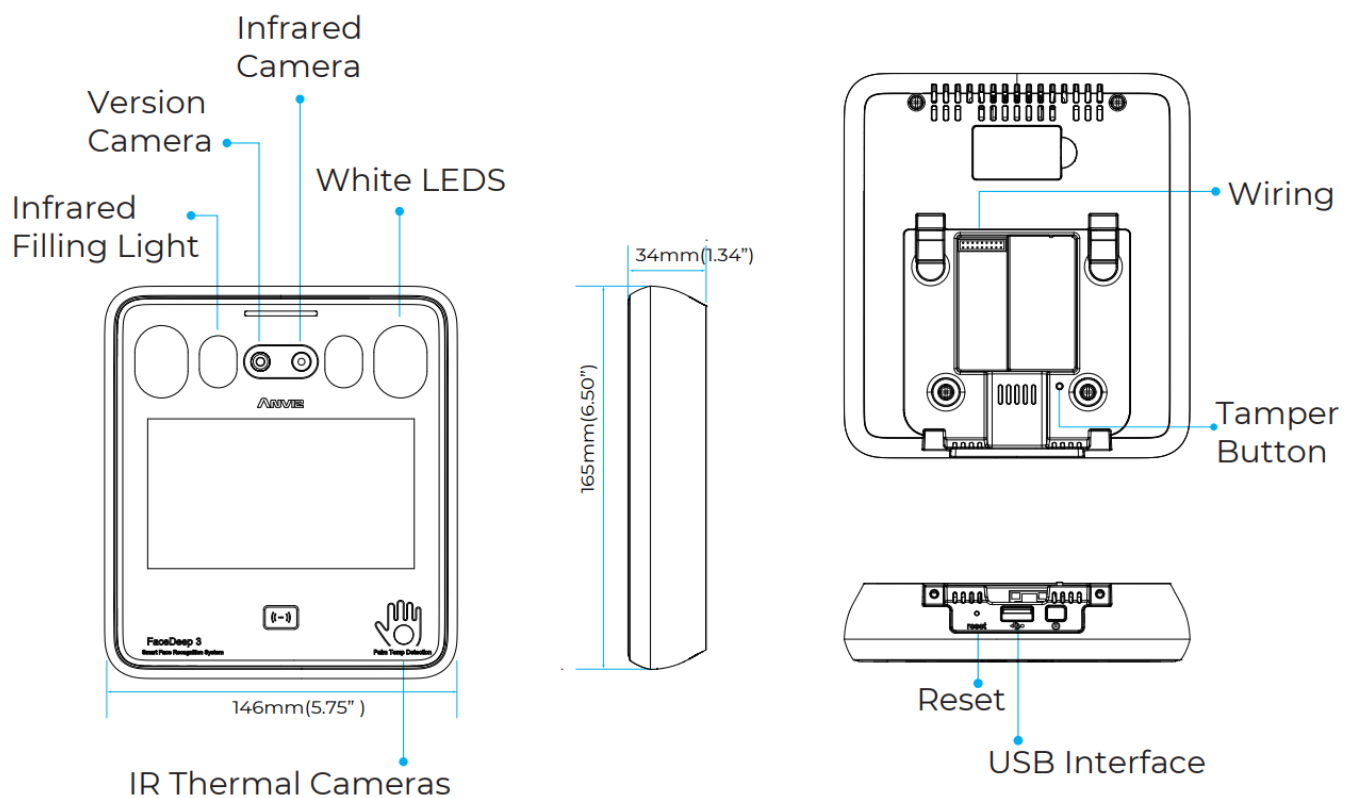
Contents

Parts List

Terminal   Mounting Bracket   Quick Guide   Accessories

Appearance Description

Infrared Camera
Version Camera
Infrared Filling Light
White LEDS

34mm (1.34")
165mm (6.50")
146mm (5.75")

IR Thermal Cameras

Wiring
Tamper Button

Reset
USB Interface

Installation

The Sunlight and Hard Light 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 judgment.)

Side Light   Strong Light   Back Light

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

 The recommended place for Installation (Please keep 3m away from the window, or does not influenced by sunlight, can be considered for installation)

 Backlight, side-light or direct strong light, not suitable for installation.

 Other areas, install in suitable places according to actual light impact.
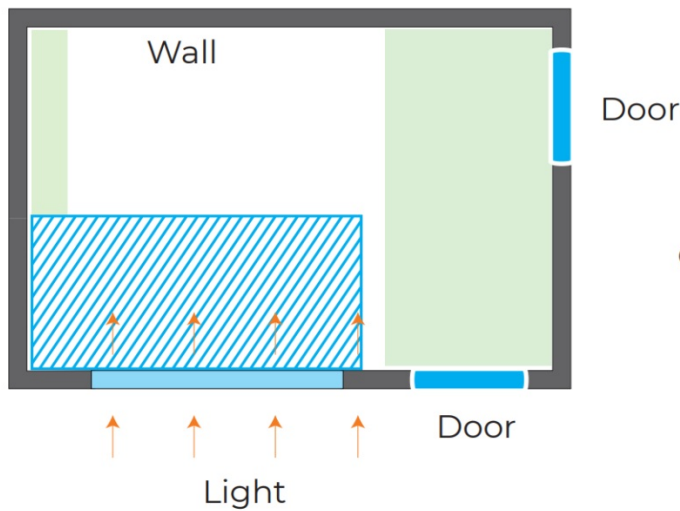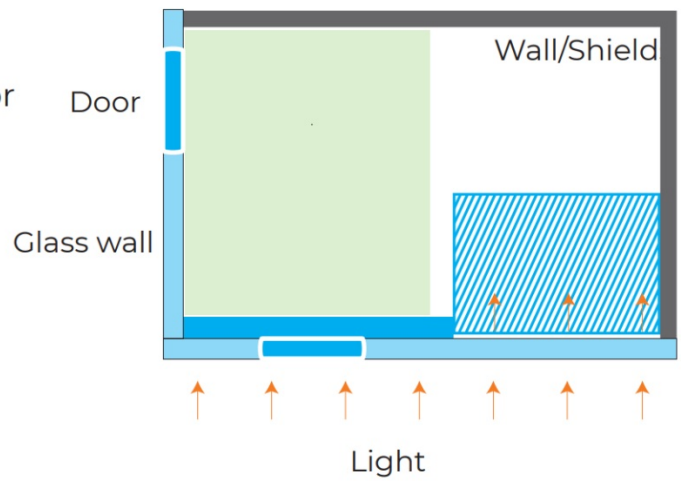
 Hard Light

 Curtain

 Door
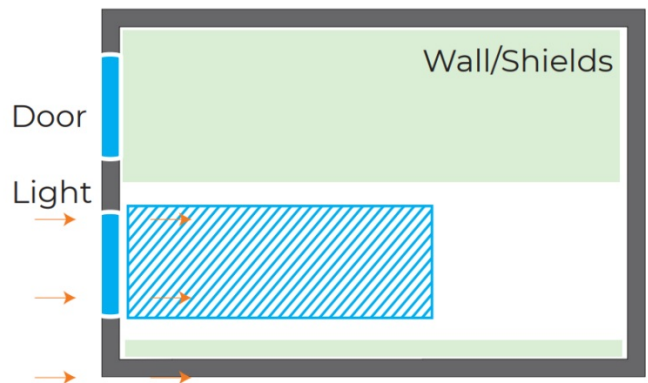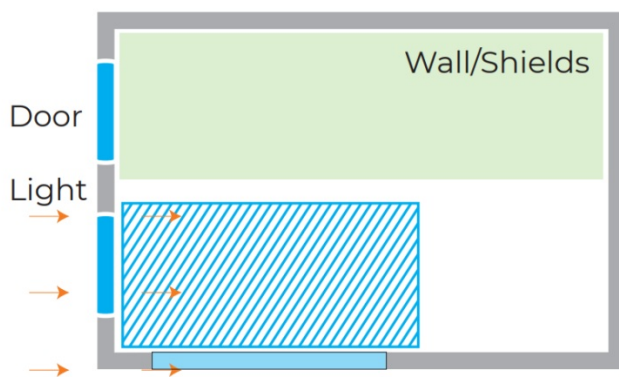
 Wall

 Glass Window or Class Wall

Sunlight Shines Indoor
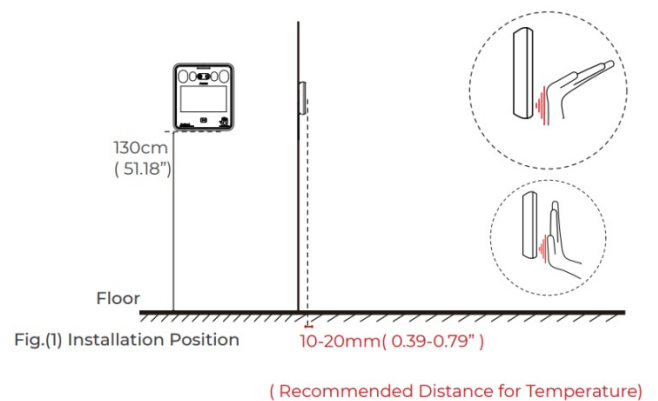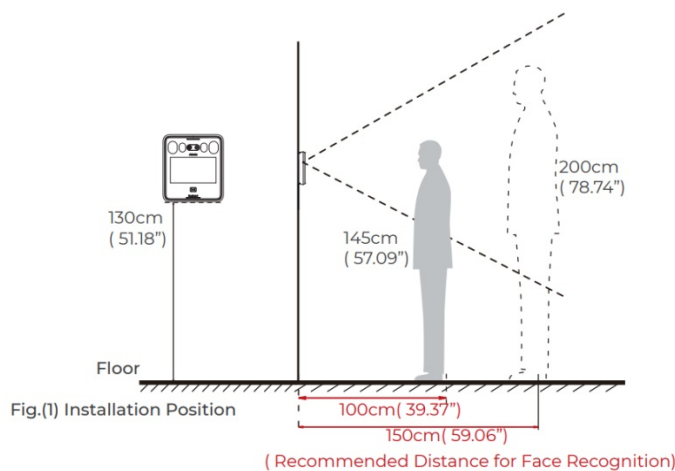

Glass Window

Sunlight Shines Through the Door, with Glass Window at One Side
Light Sunlight Shines Through the Door

Height

Recommend hovering your hand at as close a distance as possible from the device, you will receive a more accurate temperature record.

200cm (78.74")
130cm (51.18")
145cm (57.09")
Floor
Fig.(1) Installation Position
100cm(39.37")
150cm(59.06")
(Recommended Distance for Face Recognition)

130cm (51.18")
Floor
Fig.(1) Installation Position
10-20mm(0.39-0.79")
(Recommended Distance for Temperature)

Suggested installation height (the distance between the lens and the ground is 1.5m(59.06″), as the recognizable body height range, 1m distance away from the device, is 1.4-1.8m (55.12-70.87″); the recognizable body height range, 1.5m(59.06″) distance away from the device, is 1m-2.2m(39.37-86.61″). (There are some deviations) . The temperature detection range is 30mm(1.18″).

Steps

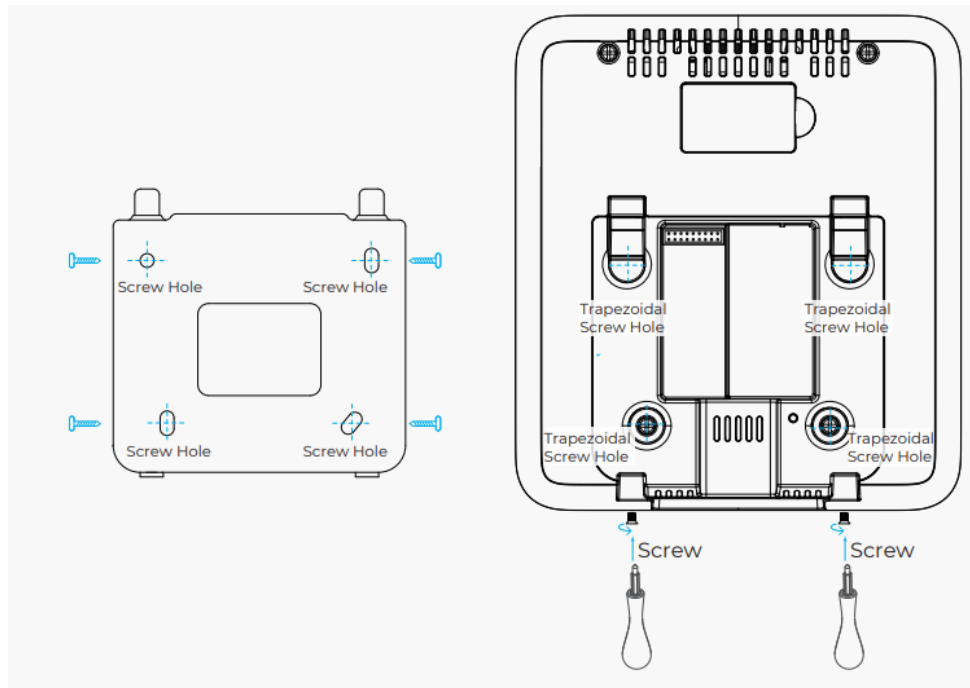1 Keep the mounting bracket parallel with the ground and 1.2m distance to the ground. Drill 4 screw holes on the wall according to the mounting bracket,

Expansion Pipe

Outlet Hole D= 50mm (1.97")
Drill outlet hole for device wiring
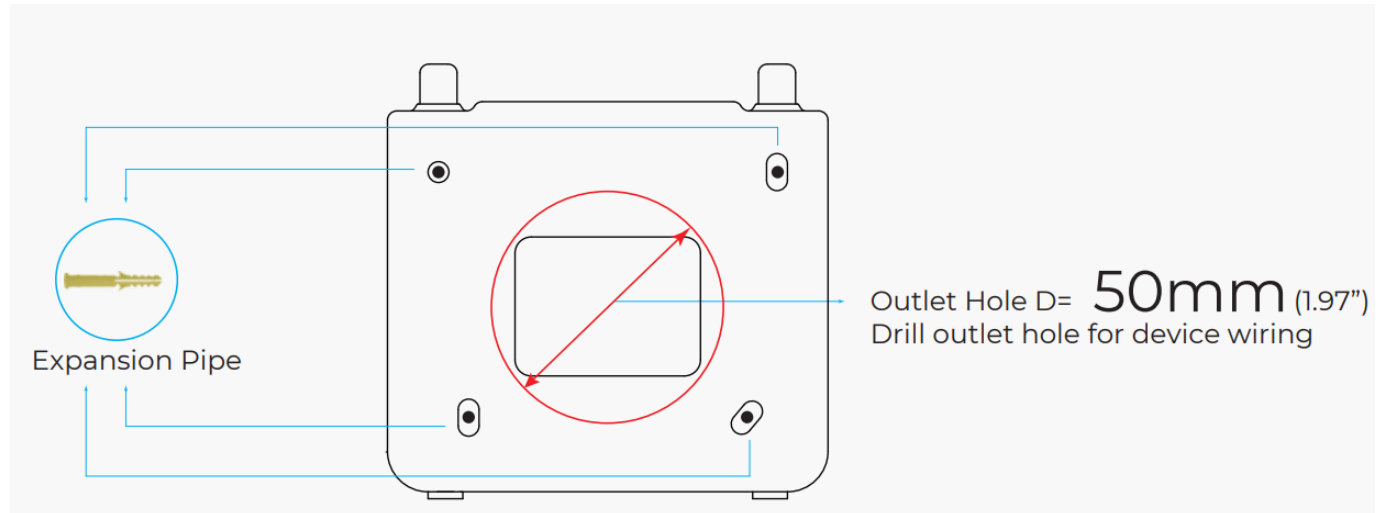
Please punch out the tail lines from the outlet hole before installing the mounting bracket and use the screws to fix the mounting bracket on the wall. Use the screwdriver to tighten thescrew follow the direction indicated, to complete the installation.

Screw Hole   Screw Hole

Trapezoidal   Trapezoidal
Screw Hole   Screw Hole

Screw Hole   Screw Hole

Trapezoidal   Trapezoidal
Screw Hole   Screw Hole

Screw   Screw

Access Control Power Supply

FORD MICROPOWER
POWER SUPPLY CONTROLLED
MODEL: FC-901/903
INPUT:AC220/230W 50HZ OUTPUT:DC12V, 3Amps+

Door Sensor

Exit Button

+12	GND	PUSH	NO	GND	NC

COM | GND | DM | 485B | 485A | GND | WI0 | WI1 | 12V

NC | NO | D/s | PW | B + | B - | WO0 | WO1 | GND

FR 107

Magnetic Lock

Wiring Connection

SC011 and the FaceDeep 3 device are authorized by Anviz Wiegand to form a distributed access control system. Please contact **sales@anviz.com** for more information.

COM | GND | DM | 485B | 485A | GND | WI0 | WI1 | 12V

NC | NO | D/s | PW | B + | B - | WO0 | WO1 | GND

GND | 12V

I II III
RELAY DELAY   ON   OFF
                     PROGRAM

PROGRAM MODE - (YELLOW)
NORMAL MODE - (BLUE)

POWER SUPPLY
12V-I
GND

LOCK
GND -
NC

RELAY OUT
NO
COM

ANVIZ DEVICE
12V-O
GND
D0
D1
GND
BUT

EXIT BUTTON

ANVIZ

Magnetic Lock

SC011

DOOR EXIT

Exit Button

Quick Guide
General Settings

Power on the FaceDeep 3 and wait for the activation. Click, then enter admin ID and password to access the main menu, or click to verify the employee ID and password.

Power on the FaceDeep 3 and wait for the activation. Click, then enter admin ID and password to access the main menu, or click to verify the employee ID and password.	Click then input default ID "0", password "12345" to enter the main menu. You can change the admin password according to your needs, or set other users as administrators.	Enter system setting me.

Communication Settings

Click"Network" option to enter network setting page, then select Ethernet or Wi-Fi	Click"Network\ Comm Mode"to select server or client mode.	Set Etherne parameters on your net environmen

Click the "Network "option to enter network setting page.	Click"Internet" to set WAN mode as Ethernet, and then set DNS IP address.	Click "Com ode.

Wi-Fi Setting

Internet	
WAN Mode	NONE
DNS	8.8.8.8

Comm Mode	
Comm Mode	Sever
Port	5010
Comm.PW	Disabled
PW Setting	12345
Server Type	IP Address
Server IP	92.68.0.97

Option	
EssID	
IP Mode	
Get DNS	
Device	
IPNetmask	
Gateway	

① ②

① Click"Internet" to set WAN mode as Wi-Fi, and then set DNS IP address.	② Click "Comm Mode" to select server or client mode.	Click"Wi-Fi" to modify the TCP/IP settings. Click"Choose Wi-Fi" to move to the next steps.

User Enrollment

Quick Face Registration

Register Face		
	ID	
123	1 2 3	⌫
EN	4 5 6	Tab
Pin	7 8 9	
.@#	. 0 Space	Enter

8010 – Sasha — Face in the circle

8010 – Sasha — ✓ Enrolled

8010 – Sasha — ⚠ Already exist

① ②

Main

Enroll   User   Data

Network   Setting   Advance

Click "Enroll Face" and input ID for quick face registration.

- Keep face in the center of the detection frame, according to the device request.
- Slightly move the head left and right, up and down during the registration.
- If the registration process takes too long or fails, please change the registration position.
- In some cases, the detection frame might move to the top, it might be triggered by glasses. Take the glasses off, and try one again.

### Registration of Other Authentication Methods
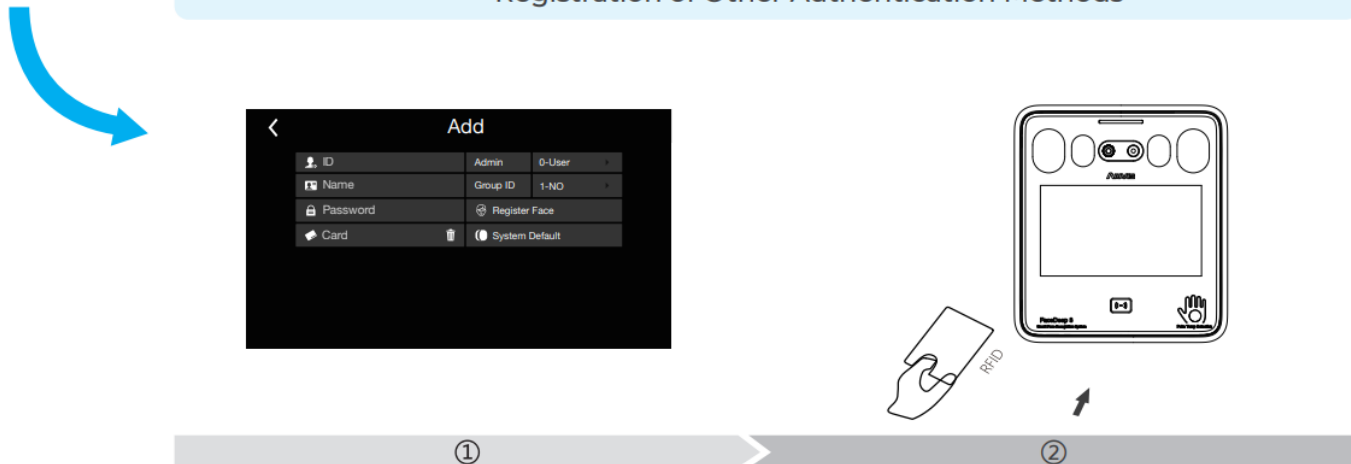
1. Click"User"/"Add" to input ID, Password, and Name. Click"Register Face" to enroll.
2. Click'"Card " and swipe the card at the card detection area to finish the registration.

TIPS

Do not cover the forehead and keep the facial area below the eyebrows visible during the face registration. In order to improve comparison accuracy, users need to attempt multiple possible angles. Be careful not to change the facial expression (smiling face, drawn face, wink, etc.).

To Switch the Status of "IN" or "OUT"
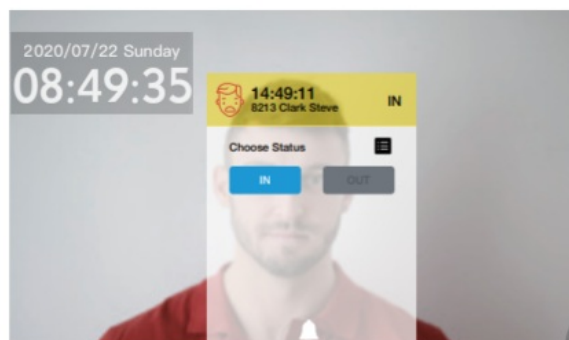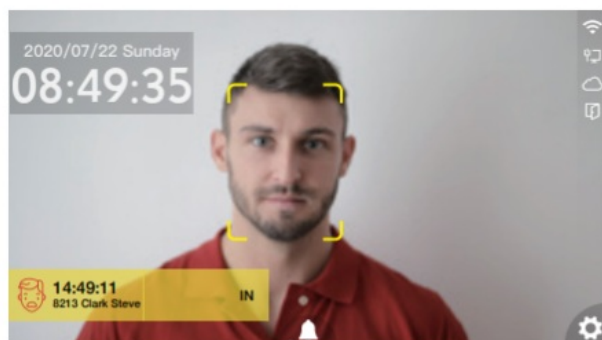
| When the User pass the face verification, the status of "IN" will be available.	Click "IN" –>Choose Status –> Press "OUT" if need.

To Import and Export the Lots of Face Photos of Users to be Enrolled with USB Disk

- To set up a new folder in the root directory of your USB stick, rename it , eg. "Face"
- Select the Face photos to be imported and rename as the actual ID number, to save these photo files into the Folder of "Face ", eg. 1000001.jpg
- Add a new file of Users.xls in the "Face" folder, and fill in the personnel information you want to import as follows.

User ID	Name	Card NO.	Group No
1000001	James	1.23E+08	1

4. Copy the Folder as well as the photos to USB Disk, and then insert the USB back to FaceDeep 3 Terminal. 5. Enter Menu– > Press "Data" –>" Import"—>"Data Import"—>"Face Import"–> Press" Import"
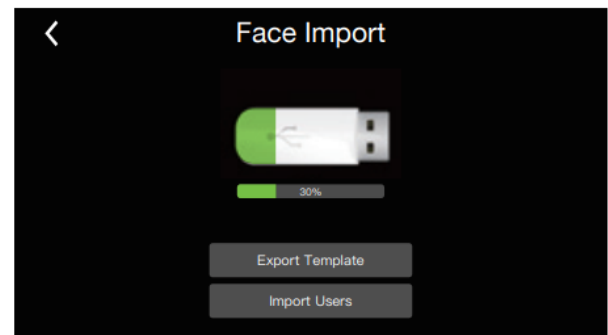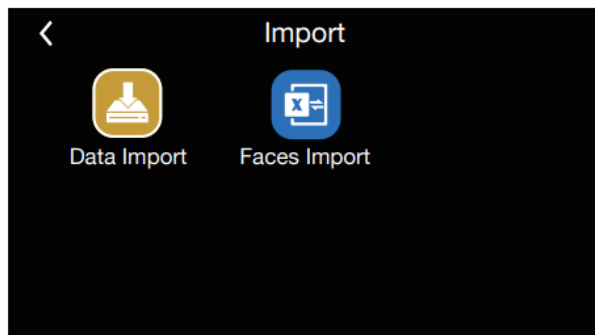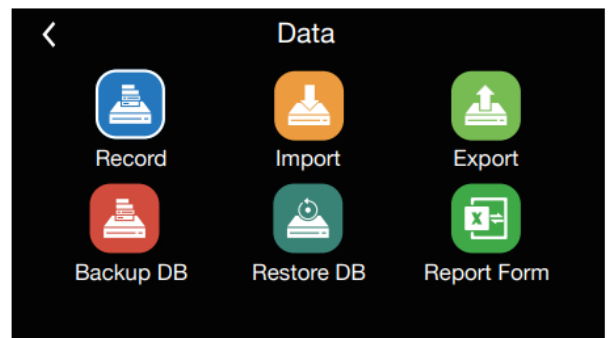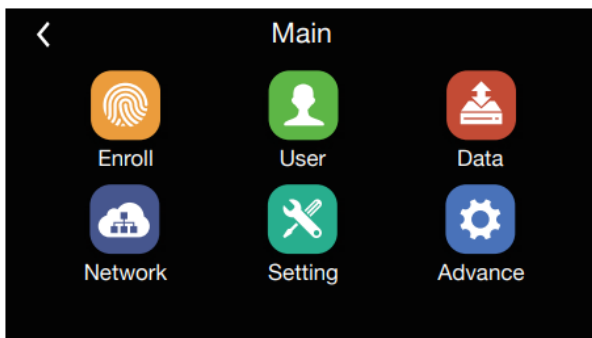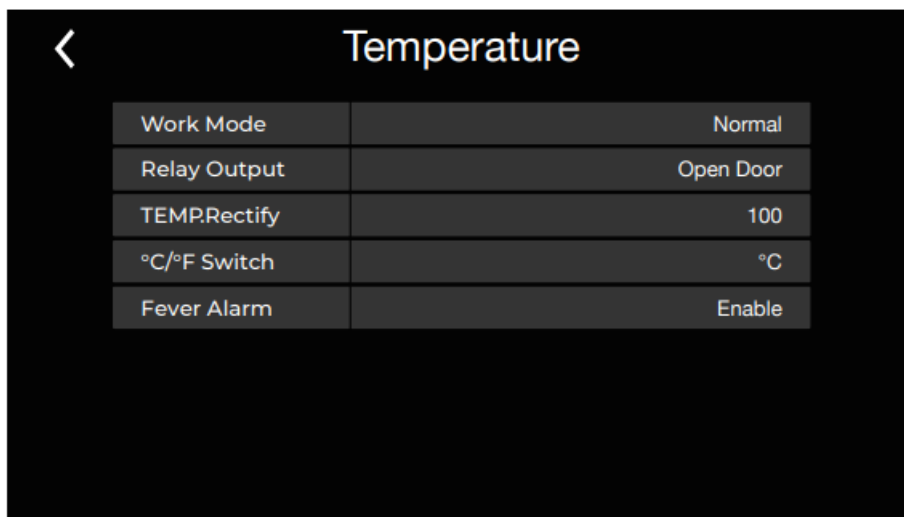

* The Face Photo of the User should be :

- File Format: JPG image
- Size: the maximum size are 500KB.
- Dimensions: 100 pixels < Width < 2000 pixels, 100 pixels < Height < 2000 pixels

How to Setup Temperature

Press" Menu", Click " AdvancedTemperature" , then you can reset or modify the setup accordingly if need.

Matching Precision Settings

- **Three precision levels**: Basic/Good/Excellent
- **Basic:** Excellent face comparison speed.
- **Good:** Fast face comparison speed with high secure protection, recommended.
- **Excellent:** Top security precision, recommended using in a high-security property.
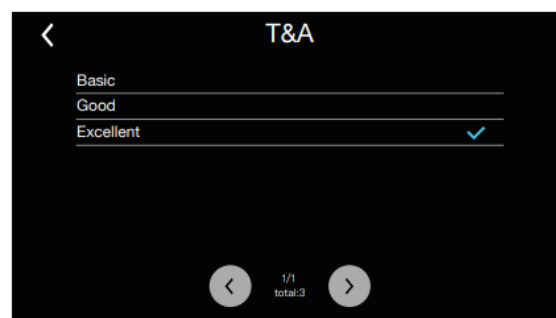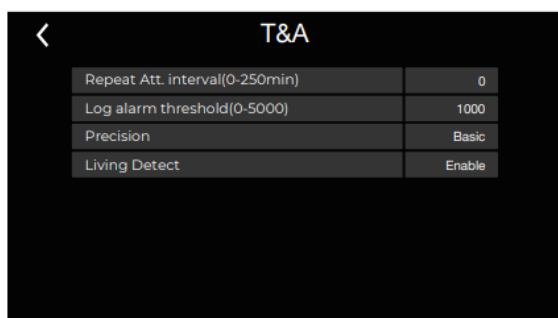
① Enter from Main menu to Advanced\T&A\Precision

② Precision levels : Basic/Good/Excellent

1. Enter from the Main menu to AdvancedT&APrecision
2. Precision levels: Basic/Good/Excellent

FAQ

In order to protect the environment, Anviz has decided to go "CD Free" campaign since June 1st, 2019. We will provide a QR code for you to download the electronic documents to make sure that you understand how to install and use Anviz devices.

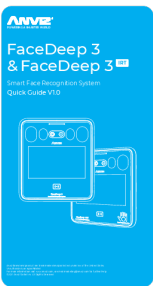|	
Dropbox	Google
https://bit.ly/2WugbYp	**https://bit.ly/2Vn0wh6**

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Documents / Resources

 ANVIZ FaceDeep 3 Smart Face Recognition System [pdf] User Guide
FaceDeep 3 Smart Face Recognition System, FaceDeep 3, Smart Face Recognition System

References

- **Λ Anviz Global | Powering a Smarter World**
- **ⓑ bit.ly/2J9qA95**
- **ⓑ SoftwareUpdata - Google Drive**
- **ⓑ Dropbox - SoftwareUpdata - Simplify your life**