ANVIZ®

POWERING A SMARTER WORLD

FacePass 7 Pro
FacePass 7 Pro IRT

Smart Face Recognition and Infrared
Thermal Temperature Detection Terminal

Quick Guide V1.0
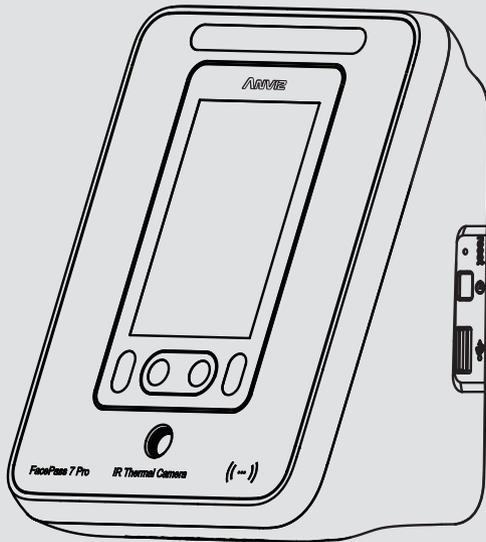
⚠ *Notice*

- Do not permits oily water or sharp tools to stain or harm the display screen.

- Delicate parts are utilized in the device, so please abstain from falling, crashing, bending or heavy pressing the terminal.

- The product and display screen are designed to be used in an indoor environment. Out of adaptive temperature range might cause equipment to be less sensitive or efficient with reduced functionality and performance.

- Clean the display screen and panel gently, using a soft and dry cloth. Do not apply water, detergent or alcohol.

- Press the Reset button to restart the device, if the device is out of control or if operation needs to be terminated.

- The product is not waterproof, therefore please avoid allowing liquids such as water, beverage, or chemicals enter the product.

- Recommended Installation height: 120cm; Temperature Recognition distance: 30~50 cm.

- Temperature and face recognition: 1. Keep the face in the purple frame.   2. The red frame implies device has identified face. 3. The yellow frame represents temperature recognition process. 4. The green frame means face enrollment is successful. (Only the FacePass 7 Pro IRT has this function)
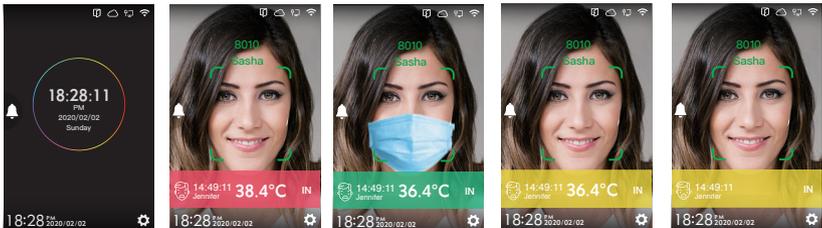
- Temperature records can be checked in the CrossChex.

CrossChex
Time Attendance and Access Control Management System

- The new AI deep learning algorithm and live infrared detection technology allows the device to recognize registered users with mask, and unmasked users will be noticed to wear a mask.

1. Components

Terminal	Quick Guide	Accessories
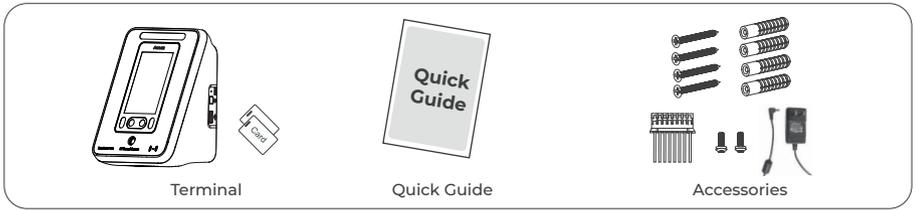
2. Recommended Installation Environment

Before the installation:
- FacePass 7 Pro operating temperature: 0℃~45℃, operating humidity: 20-80%
  The direct sunlight would extremely impact the performance of facial
  recognition, so during the installation please :
  ① Do not mount the product at a direct sunlight, humidity or dust spot.
  ② Ensure waterproof protection is provided when installing it outdoors.

3. Installation Procedure

Step 1: Installation Position

① The recommended face recognition distance is 30-80cm(11.81-31.50"). The best
adaptive angles are ±20° both horizontally and vertically.

② The recommended installation height is 1.1m(43.31"), where the FacePass 7 Pro
can recognize enrolled faces from 1.3m(51.18")to 2.2m(86.61"). Please specify the
position of the installation according to the actual uses.

4. 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 judgement.)

Side Light   Strong Light   Back Light

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

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   Door   Wall

Curtain   Glass Window or Class Wall

Sunlight Shines Indoor

Wall

Door

Door

Light

Glass Window

Wall/Shield

Door

Glass wall
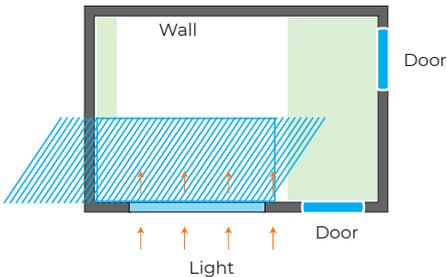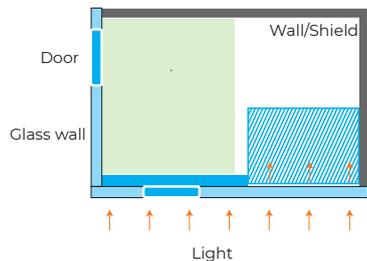
Light

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

Wall/Shields

Door

Light

Sunlight Shines Through the Door

Wall/Shields

Door

Light

Installation Diagram:

2.2m
(86'61")

1.3m
(51'18")

1.1m
(43.31")

1.1m
(43.31")

Floor

Fig.(1) Installation Position

100cm
(39.37")
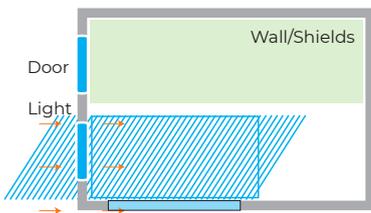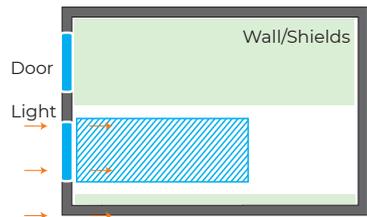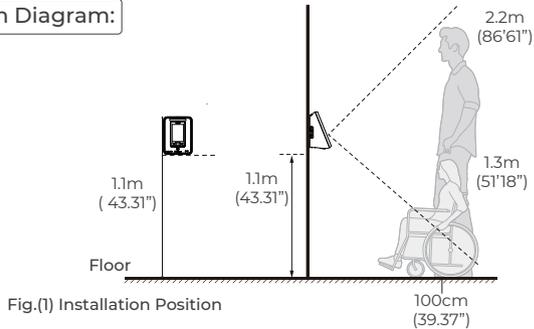
(Recommended Distance for Face Recognition)

Step 2： **Installation Steps**

③ Place the backplate at the appropriate position and fix screws into the wall according to the mounting holes.

④ Fix backplate and connect cables.

⑤ Put the device on.
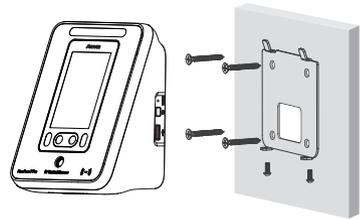
5. Quick Guide

- **General Settings**
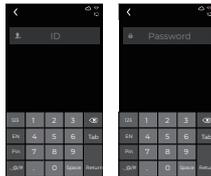
①   ②   ③   ④

Power on the FacePass 7 Pro and wait for the activation.Click 🔧 , then enter admin ID and password to access the main menu.Click 📷 , then input employee ID and password to verify.	Click 🔧 , then input defult ID "0", password "12345" to enter main menu. You can change the admin password according to your needs, or set other users as administrators.	Enter system settings \ time to set date and time.	Check or edit device ID and admin password in system settings\device.

● User Enroll

Quick Face Registration
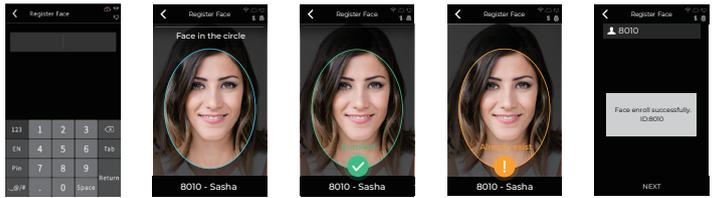
① Click "Enroll Face" and input ID for quick face registration.

- Keep face in the center of the detection frame, according to the device request.
- Slightly move your 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
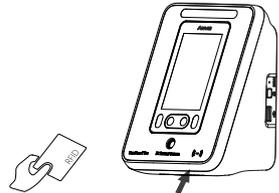
① Click"User"/"Add" to input ID, Password and Name. Click"Register Face" to enroll.

② Click'"Card " and swipe the card at the card detection area to finish the registration.

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

- To setup 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 the follows.

User ID	Name	Card NO.	Group No.	Face Image File Name(End in. jpg)
1000001	James	123456789	1	1000001.jpg

- 4.Copy the Folder as well as the photos to USB Disk, and then insert the USB back to FacePass 7
- Pro Terminal.
  5. Enter Menu-- > Press "Data" -->" Import"--->"Data Import"--->"Face Import"--> Press" Import"

Main

Enroll Face   User
Data   Network
Settings   Advanced

Data

Record   Import
Export   Backup DB
Restore DB   Report Form

Import

Data Import   Faces Import

Faces Import

Please plug the U Disk
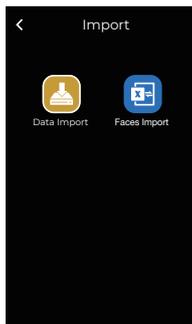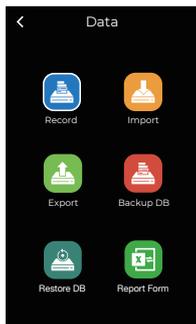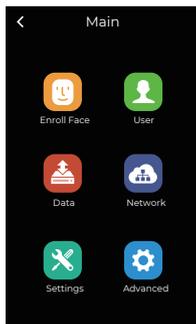
TIPS

Do not cover the forehead and keep facial area that belows the eyebros 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.).

• Communication Setting

①	②	③	④
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 Ethernet or WiFi parameters based on your network environment.	PING FacePass 7 Pro IP address on a management computer to make sure the device is connected.

Ethernet Setting

①	②	③	④
Click "Network "option to enter network setting page.	Click"Internet"to set WAN mode as Ethernet, and then set DNS IP address.	Click "Comm Mode" to select server or client mode.	Click"Ethernet" to modify TCP/IP settings.

Wi-Fi Setting

①	②	③	④
Click"Internet" to set WAN mode as Wi-Fi, and then set DNS IP address.	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 stpes.	FacePass 7 Pro will automatically search all available Wi-Fi. Select one to finish the connection.
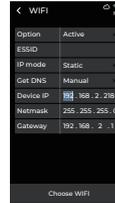
• Matching Precision Setting

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 secure properties.

①	②
Enter from Main menu to Advanced\T&A\Precision	Precision levels : Basic/Good/Excellent
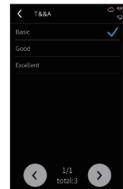
①	②

- **Mask Recognition and Body Temperature Detection Setting**

Enter Mask Setting Page

Enter the main page and click 'Advanced'-> 'Temperature' to enter the Mask/Temperature setting page.

- The mask recognition function can be manually changed in the 'Mask Setup' menu.

- After the Mask Recognition Settings is completed, users without masks will be reminded to wear a mask.

- There are several options to adjust the mask settings. For example, "OFF", "Only Alarm", and "Access Control".

- To disable the mask detection function, you can press "OFF". "Only Alarm" means that registered users have access permissions without mask, but they will be noticed. "Access Control" will restrict the access control right for users who do not wear masks.

- In "Replay Output" Setting, you can let the relay trigger the door for normal temperature and trigger an alarm output for abnormal temperature.

- You can modify the "TEMP. Rectify" to adjust the deviation to match the exact temperature, and this value is displayed on each terminal temperature module.

- You can switch the temperature unit and set the warning value for the fever. Please set the value to 10 times the normal temperature to avoid complex calculation with decimal points. For instance, if the actual alarm value is 37.3 ℃, the device setup value should be 373. (Also apply to Fahrenheit)

  (Only the FacePass 7 Pro IRT with this function)
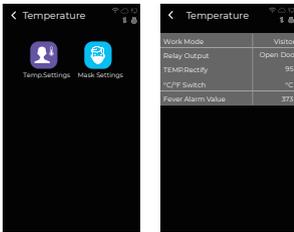
Notice:

Please set the check value to 10 times the usual temperature, to allow complex calculation with decimal points.

5. FacePass 7 Pro Structure

Interface description

function	Wiegand Input		Exit	GND	Wiegand Output		Relay Output	
No.	15	13	11	9	7	5	3	1
	WI0	WI1	D/S	GND	WO1	WO0	NC	COM
function	Bell(5V)	Door Magnetic		GND	RS484		DC12V	Relay Output
No.	16	14	12	10	8	6	4	2
	Bell	D/M		GND	485B	485A	12V	NO
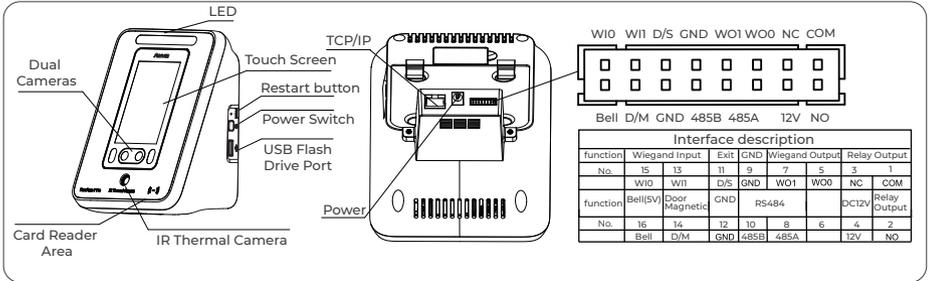
6. Switching Power Supply
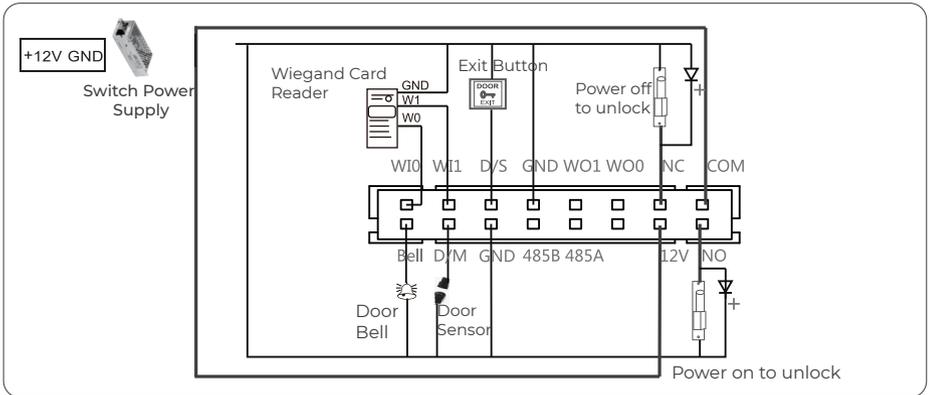
7. Wiring Type Access Controller

- SC011 and the FacePass 7 Pro device are authorized by Anviz wiegand to form a distributed access control system. Please contact sales@anviz.com for more information.
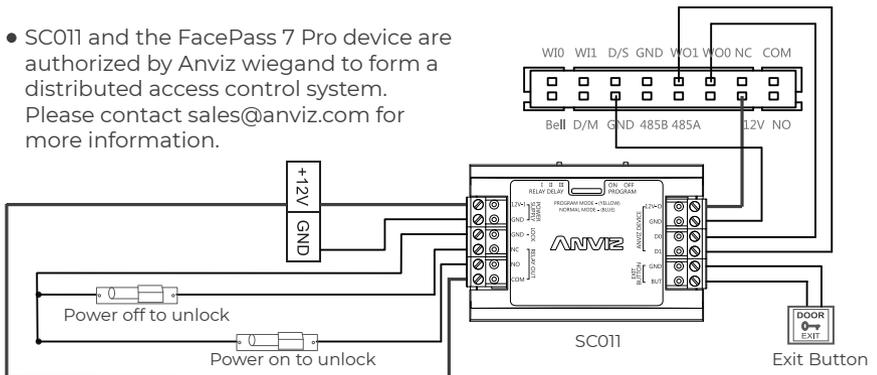
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In order to protect the environment, Anviz has decided to go "CD Free" campaign since June 1st 2021. We will provide QR code for you to download the electronic documents to make sure that you understand how to install and use Anviz devices.

https://bit.ly/2WugbYp

Dropbox

https://bit.ly/2Vn0wh6

Google

https://bit.ly/2J9qA95

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