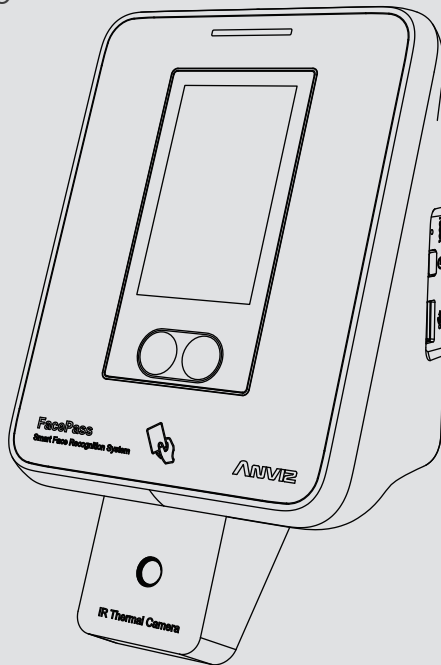# ANVIZ®

POWERING A SMARTER WORLD

FacePass 7 IRT

Touchless Face Recognition and Infrared
Thermal Temperature Detection Terminal

Quick Guide V1.0

ANVIZ®

In order to protect the environment, Anviz has decided to go "CD Free" campaign since June 1st 2019. 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

Anviz

⚠ *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 it is out of control or if operation needs to be terminated.

- The product is not waterproof designed, therefore please avoid allowing liquids such as water, beverage, or chemicals get into 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.
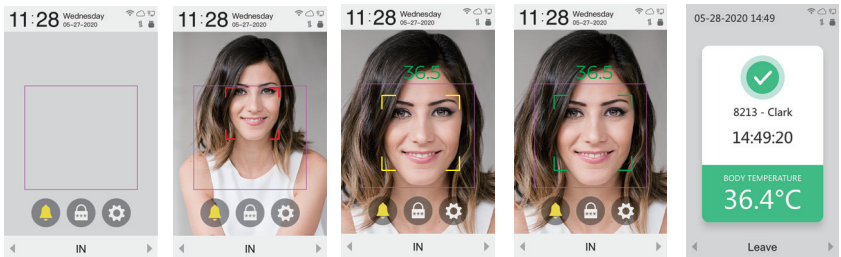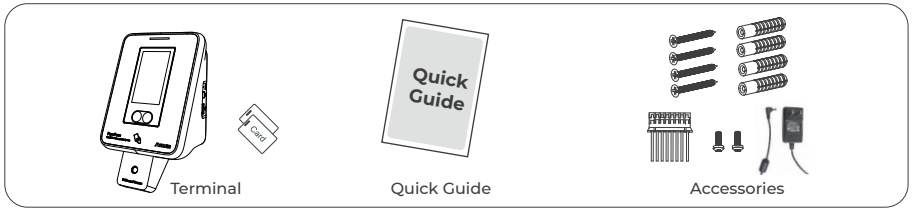

- Temperature records can be checked in the CrossChex.

CrossChex
Time Attendance and Access Control
Management System

- The new AI deep learning algorithm and live infrared detection technology allows 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 IRT operating temperature: 0℃~45℃, operating humidity: 20-80%
  The direct sunlight would greatly 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. The best adaptive angles are ±20° both horizontally and vertically.

② The recommended installation height is 120cm, where the FacePass 7 IRT can recognize enrolled faces from 145cm to 195cm. Please specify the position of the installation according to the actual uses.

Installation Diagram:

120cm

195cm

145cm

Floor

Fig.(1) Installation Position

30cm

50cm
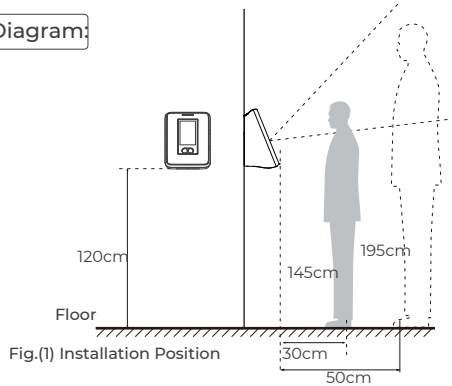
Step 2 : Installation Steps

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.
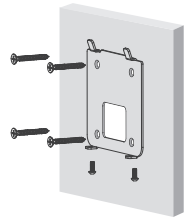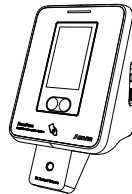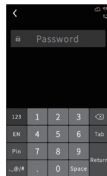
4. Quick Guide

- **General Settings**

① Power on the FacePass 7 IRT 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.
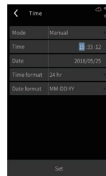
② Click 🔧 , then input defualt ID "0", password "12345" to enter main menu. You can change the admin password according to your needs, or set other users as administrators.
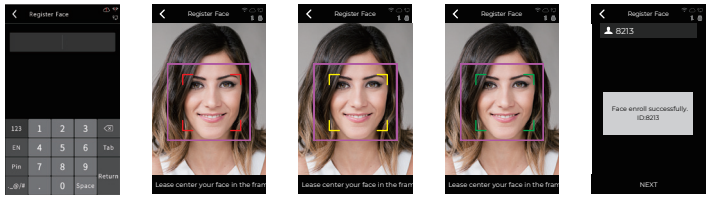
③ Enter system settings \ time to set date and time.

④ Check or edit device ID and admin password in system settings\device.

- **User Enroll**

Quick Face Registration

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 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.
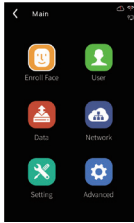
Registration of Other Authentication Methods
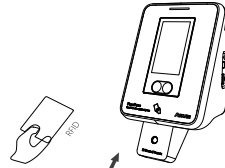
① Click"User"/"Add" to input ID, Password and Name. Click"Register Face" to enroll.

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

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

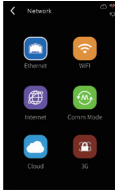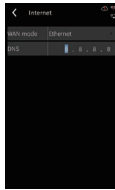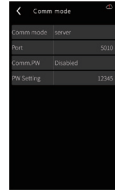| ①	②	③	④
Click"Network"option to enter network setting page, then select Ethernet or Wi-Fi	Click"Network\Comm Mode"to select server or client mode.	Set Ethernet or WiFi parameters based on your network environment.	PING FacePass 7 IRT IP address on a management computer to make sure the device is connected.

Ethernet Setting

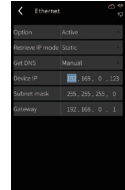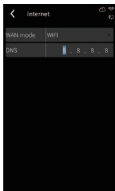| ①	②	③	④
Click "Network "option to enter network setting page.	Click"Internet"to set WAN mode as Ethernet, and then set DNS IP address.	Click "Comm Mode" to select server or client mode.	Click"Ethernet" to modify TCP/IP settings.

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 IRT will automatically search all available Wi-Fi. Select one to finish the connection.
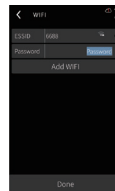
• Matching Precision Setting

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

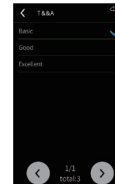- The mask recognition function can be manually turned on / off in the 'Mask Setup' menu.

- 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 the "OFF" icon. "Only Alarm" means that registered users have access permissions without mask, but they will be noticed. "Access Control" option 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 decial points. For instance, if the actual alarm value is 37.3 ℃, the device setup value should be 373.
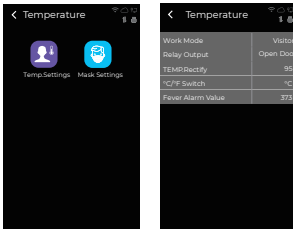
Notice:

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

5. FacePass 7 IRT Structure

LED
TCP/IP
Touch Screen
Restart button
Power Switch
USB Flash Drive Port
Dual Cameras
Power
Card Reader Area
IR Thermal Camera

WI0 WI1 D/S GND WO1 WO0 NC COM

Bell D/M GND 485B 485A   12V NO

Interface description

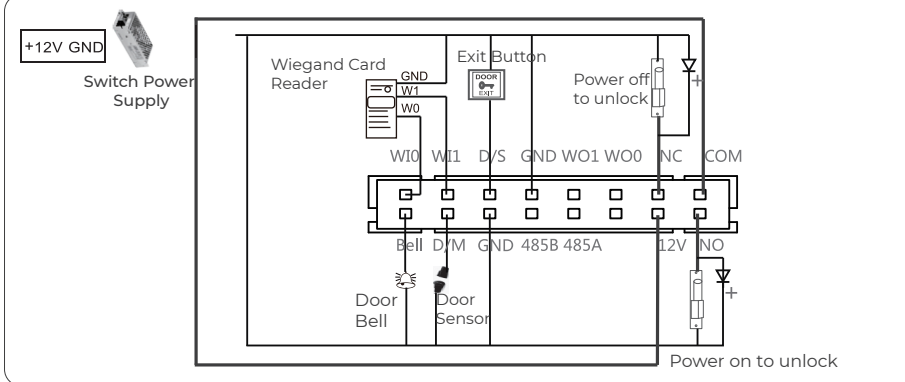| function	Wiegand Input		Exit	GND	Wiegand Output		Relay Output	
No.	15	13	11	9	7	5	3	1
	WI0	WI1	D/S	GND	WO1	WO0	NC	COM
function	Bell(5V)	Door Magnetic	GND	RS484			DC12V	Relay Output
No.	16	14	12	10	8	6	4	2
	Bell	D/M	GND	485B	485A		12V	NO

6. Switching Power Supply

+12V GND

Switch Power Supply

Wiegand Card Reader
GND
W1
W0

Exit Button
DOOR EXIT

Power off to unlock

WI0 WI1   D/S   GND WO1 WO0   NC   COM

Bell D/M GND 485B 485A   12V NO

Door Bell
Door Sensor

Power on to unlock

7. Wiring Type Access Controller

- SC011 and the FacePass 7 IRT device are authorized by Anviz wiegand to form a distributed access control system. Please contact sales@anviz.com for more information.

WI0 WI1   D/S GND WO1 WO0 NC   COM

Bell D/M GND 485B 485A   12V NO

+12V
GND

RELAY DELAY
PROGRAM MODE - YELLOW
NORMAL MODE - BLUE

ON OFF
PROGRAM

ANVIZ

SC011

Power off to unlock
Power on to unlock

Exit Button
DOOR EXIT