

# **SensePass Pro**

Product Manual

**SensePass Pro**

# SensePass Pro Face Recognition Integrated Terminal

## 1 Hardware

### 1.1 Appearance

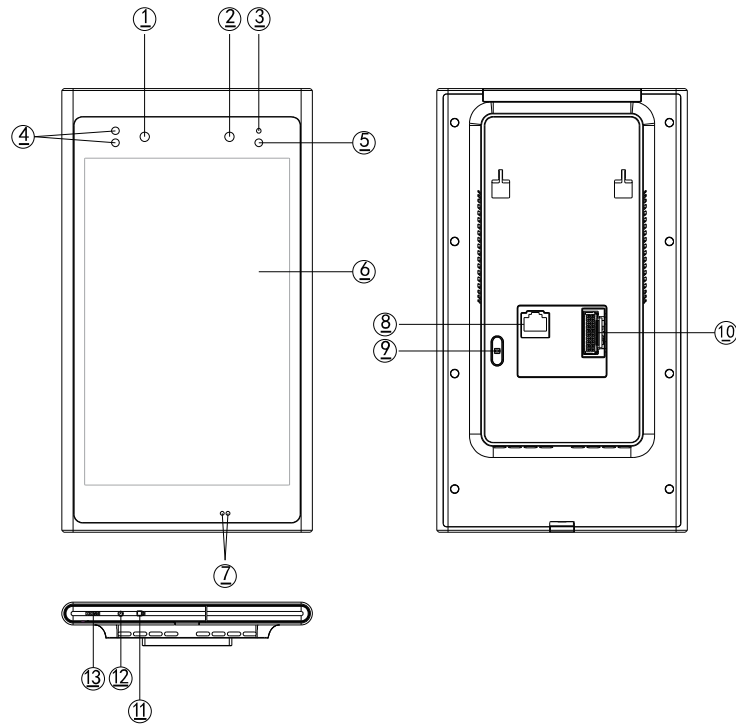


### 1.2 Specifications

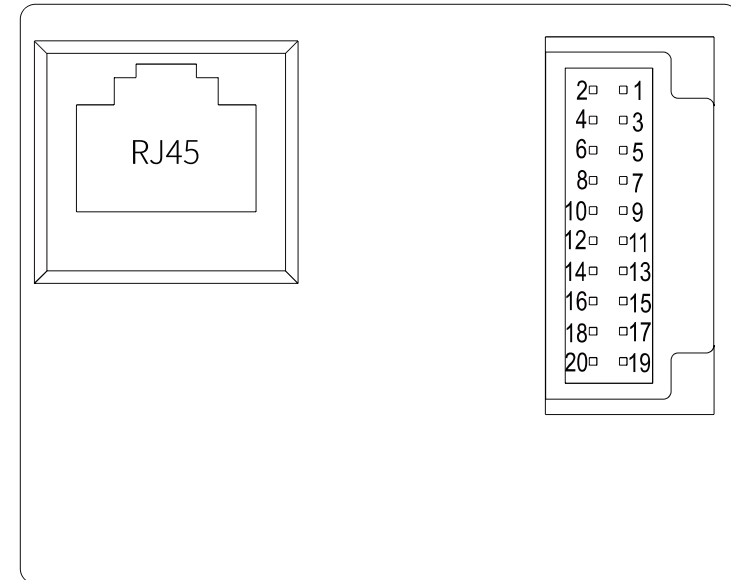
| Name      | SenseTime Intelligent Facial Recognition Access Control |                                                                                       |
|-----------|---------------------------------------------------------|---------------------------------------------------------------------------------------|
| Character | Functions                                               | Facial recognition, identify authentication, liveness detection, personnel management |
|           | Using Environment                                       | Indoor                                                                                |
|           | Dimension                                               | 235mm*132.8mm*12mm                                                                    |
|           | Weight                                                  | 700g                                                                                  |
|           | Sheathing Material                                      | Aluminum alloy                                                                        |
|           | Color                                                   | Silver                                                                                |

|                           |                                                                    |                                                                                                        |
|---------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Camera                    | RGB Camera                                                         | 2 million HD camera                                                                                    |
|                           | IR Camera                                                          | 1.3 million HD camera<br>3x940nm infrared fill light                                                   |
| OS                        | Android                                                            | Android 7.1                                                                                            |
| HCI                       | Display Screen                                                     | 8 inches                                                                                               |
|                           | Touch Screen                                                       | Multi-touch capacitive touch screen                                                                    |
|                           | Object Sensing Module                                              | IR                                                                                                     |
|                           | Speaker                                                            | Built-in speaker, 2W                                                                                   |
|                           | Microphone                                                         | Built-in                                                                                               |
|                           | Power Switch                                                       | Concealed pinhole button                                                                               |
| Communication             | Ethernet                                                           | 10/100/1000Mbps                                                                                        |
|                           | WIFI                                                               | IEEE802.11 b/g/n (2.4G)                                                                                |
| I/O Interface             | USB                                                                | USB2.0 HOST                                                                                            |
|                           | Relay                                                              | COM/NO/NC                                                                                              |
|                           | RJ45                                                               | 10/100/1000Mbps                                                                                        |
|                           | RS485                                                              | Support                                                                                                |
|                           | Wiegand                                                            | I/O 26, 32, 34                                                                                         |
|                           | GPIO                                                               | The three expansion interfaces can connect with door contact, door open button, smoke alarm, doorbell. |
|                           | HDMI                                                               | HDMI2.0Type-A                                                                                          |
|                           | Power                                                              | DC12V-2A Input                                                                                         |
| Power                     | Adapter                                                            | DC12V-2A                                                                                               |
|                           | PoE                                                                | PSE Class4 (IEEE802.3at)                                                                               |
| Environmental Requirement | Temperature                                                        | -20°C~60°C                                                                                             |
|                           | Humidity                                                           | 5%~93% Non-Condensing                                                                                  |
|                           | ESD                                                                | IEC61000-4-2, LEVEL3                                                                                   |
| Installation              | Junction box (86 x 86mm), standing, rack mounting (for speed gate) | Metal bracket, concealed wiring, interface embedded in the wall. The device supports tamper alarm.     |

### 1.3 Functions



| P/N | Functions Description                      |
|-----|--------------------------------------------|
| 1   | IR Camera                                  |
| 2   | RGB Camera                                 |
| 3   | Photosensitive Sensor                      |
| 4   | IR Supplement Light (left)                 |
| 5   | IR Supplement Light (right)                |
| 6   | Touch Screen                               |
| 7   | Object Sensing Module                      |
| 8   | RJ45 Ethernet interface                    |
| 9   | Tamper alarm                               |
| 10  | Hardware Wiring Slot                       |
| 11  | USB2.0 Interface (flash disk, card reader) |
| 12  | Concealed Switch                           |
| 13  | HDMI                                       |



Remarks: Detailed description of the hardware wiring slots

| Type         | Interface                                                  | Description                                                                                                                                                                                                     |
|--------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power1       | PoE+(RJ45)                                                 | PoE (IEEE 802.3at) power supply                                                                                                                                                                                 |
| Power2       | 1(12V+) Red<br>2(12V+) Red<br>3(GND) Black<br>4(GND) Black | 12VDC Input                                                                                                                                                                                                     |
| Relay        | 5(NC)White<br>7(COM)Yellow<br>9(NO)Blue                    | Generally, the power+ of door lock is connected to the COM port, and the relay power- is connected to the NO port or the NC port according to the type of the door lock. Note: relay contact maximum load is 2A |
| RS485        | 11(RS485B) Yellow<br>13(RS485A) Blue<br>15(GND) Black      | Support RS485 extension                                                                                                                                                                                         |
| Exit Button  | 6(IN+) Yellow<br>12(GND) Black                             | Door exit signal input                                                                                                                                                                                          |
| Door Contact | 8(IN+) White<br>12(GND) Black                              | The status of the door signal input                                                                                                                                                                             |
| Doorbell     | 10(Doorbell) Green<br>12(GND) Black                        | Doorbell control signal<br>Output 5mA                                                                                                                                                                           |

|             |                                                        |                                                  |
|-------------|--------------------------------------------------------|--------------------------------------------------|
| Output      | 12 (GND) Black<br>14 (5V+) Purple                      | Support for external devices.<br>DC 5V MAX 500mA |
| Wiegand OUT | 17 (DATA0) Gray<br>19 (DATA1) Brown<br>20 (GND) Black  | 26bit/32bit/34bit                                |
| Wiegand IN  | 16 (DATA0) Green<br>18 (DATA1) White<br>20 (GND) Black | 26bit/32bit/34bit                                |

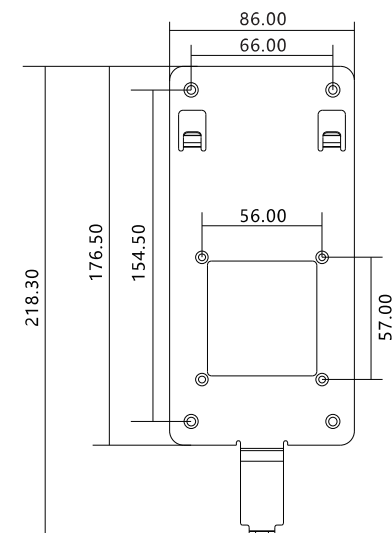
## 2. Installation

You can install SensePass Pro via three methods: Wall-mounted [junction box (86 x 86mm)], standing or rack mounting (for speed gate).

### Wall-mounted installation description

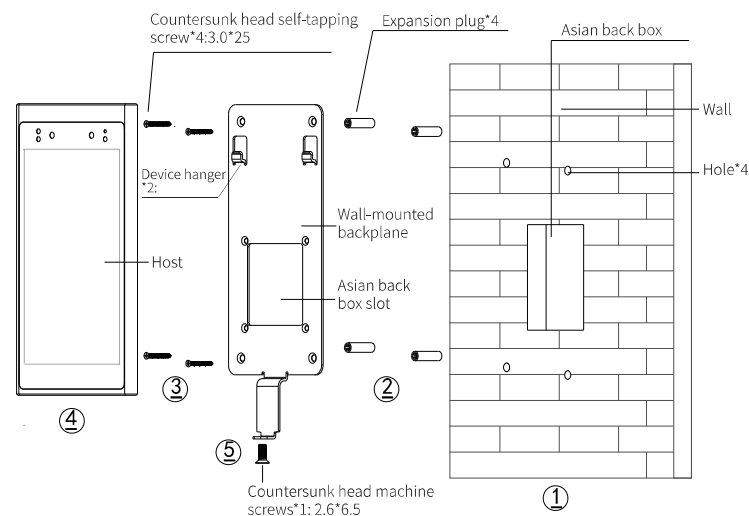
The equipment package contains a wall mount, as shown below.

### Wall-mounted backplane size



Wall-mounted backplane supports standard Asian back box [junction box (86 x 86mm)] for easy construction and installation.

First, install wall-mounted backplane on wall, speed gate bracket or vertical bracket.



- ① drilling holes on the wall
- ② screwing in expansion plug
- ③ installing backplane on the wall
- ④ hanging host on the backplane
- ⑤ Wall-mounted backplane

Note: Pls refer to speed gate and vertical installation description manual for more detail.

## 3. Software Introduction

### 3.1 Account Application

Please ensure you have a SenseLink Cloud platform enterprise account before proceeding. If you do not have an account, please contact [business@sensetime.com](mailto:business@sensetime.com) for support.

The default initial login password is 'admin1234' for the enterprise account, please change your password at your first login.

Please refer to our website for more details.

<https://link.bi.sensetime.com/docs/>

## 3.2 Login and registration

### ■ 3.2.1 Login

1) Switch on the SensePass. Ensure internet connectivity is available. Input SenseLink Enterprise account and password if this is your first login. There will be an error prompt if login fails.

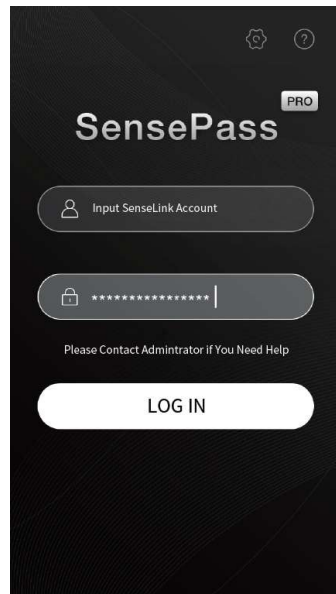


Figure 1-1 Login

2) The default server selection is SenseLink Public Cloud. In this case, you can log in directly to the SenseLink account. If you need to use the private cloud server, you will need to click the settings button in the upper right corner to configure the private cloud server address and log in again.

3) Server IP address change: To change the server IP address, you need to exit the APP to enter the login page, click the configuration button in the upper right corner of the login page to change the address.

### ■ 3.2.2 Device registration

1) After the first login, you need to register the device. Enter the device name (maximum 50 characters, required) and installation location (maximum 50 characters, required).

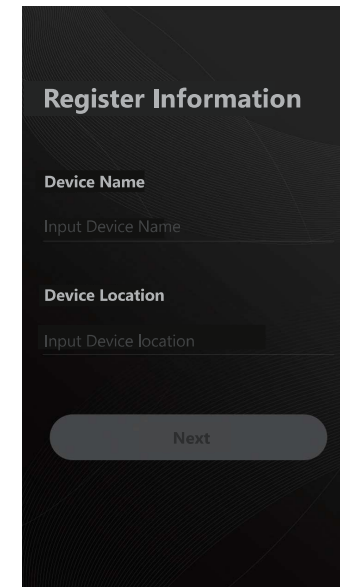


Figure 1-2 Device registration

## FCC statements:

### Federal Communication Commission (FCC) Radiation Exposure Statement

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

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.

**NOTE:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes 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.