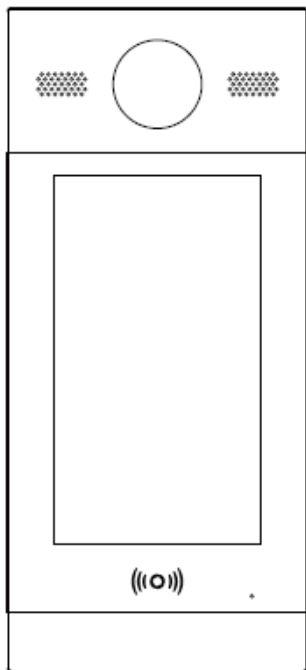# Installation and Operation manual

For TCP/IP With 902 System

Outdoor station

Suitable model

902D-B3, 902D-B7, 902D-B4, 902D-B2, 902D-B5, 902D-B6 outdoor station

Product description:

Outdoor station of 902 system, based on the number of TCP/IP communication protocol development outdoor station, using SIP communication protocol.Mainly used in building visual intercom system, video monitoring, entrance guard system, etc.

Function features:

The communication between the product as the host, basically has the following features:
(1) can call indoor monitor, management center machine;
(2) support IC/ID card entrance guard card:
(3) on the host for IC/ID card registration information, can store 100000 largest IC/ID card.
(4) can unlock password lock, push button, with the door magnetic detection

The hardware configuration:

CPU: quad core 1.3 GHz, Cortex-A7
Run memory: 1 GB
Internal storage: 4 GB/ 8 GB
Screen: 4.3 -inch, 10.1 -inch LCD display screen
Keys: mechanical buttons, touch keys, piezoelectric buttons
Camera: 720 p digital cameras, camera to fill light
Card module: support ID card, IC card, screens set aside three function modes (choose 3)

External interface of the system

The power interface:one, DC 12 v
RJ45 interface: one
RS485 interface: one
Push button, door magnetic interface: each one
Switch output interface: one

Technical parameters:

Rated voltage: DC 12 v
Rated power: 12 w standby power: 5 w
Working temperature: - 40 ℃ ~ + 70 ℃
Relative humidity: 20% ~ 93%

Principle description::

This system adopts   A33 chips as the main processor, realizes the network connection, display, system management and operation function etc ;A single chip microcomputer as a plugin interface control chip, realize the control of external interface, such as keys, such as credit card processing of signals..Main processor and use serial communication between single-chip microcomputer, Power supply with the system is 12 V power adapter .internal to 5 V, 3.3 V voltage of each module circuit of power supply system.

The principle block diagram below

■ Remark

Please follow the user manual for correct installation and testing. If there is any doubt please call our tech-supporting and customer center.

Our company applies ourselves to reformation and innovation of our products. No extra notice for any change. The illustration shown here is only for reference. If there is any difference, please take the actual product as the standard.
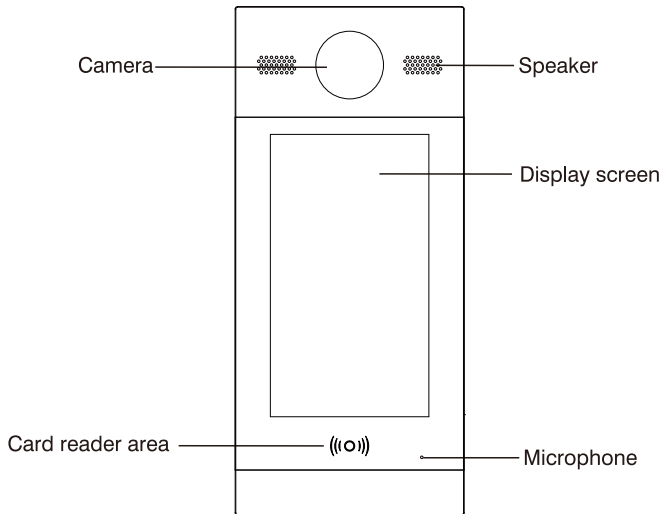
The product and batteries must be handled separately from household waste. When the product reaches the end of service life and needs to be discarded, please contact the local administrative department and put it in the designated collection points in order to avoid the damage to the environment and human health caused by any disposal. We suggest recycling and reusing the material resources.

CATALOG

Model: UNI-OCP-10.1

Camera — Speaker

Display screen

Card reader area — ((O)) — Microphone

Note:
IR Detection: supports human body detection; Detecting Distance: 0.5~2.5m.
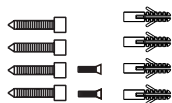
Basic Function

1. Video intercom with indoor monitor and management center
2. Optional IC/ID card reader, maximum 100,000 cards for unlocking
3. Access password unlocking, exit unlocking and door-detector function
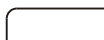
Technology Parameters

1. Working voltage：DC12V
2. Rated power:13W
          19W(Heating membrane)
3. Standby power: 3W
          9W(Heating membrane)
4. Working temperature: −40°C～+70°C
5. Humidity: 20%～93%
6. SDRAM: 512MB
7. Flash: 8GB
8. Max TF card capacity: 32GB

Package Contents

Model: UNI-OCP-10.1

Screws

Screw Wrench

Basic Operation

Calling indoor monitor

When programmed as outdoor panel, input room number, then press # to confirm. If you forget to press # to confirm the input, it will call indoor monitor automatically after 2 seconds .

If the number is correct, the indoor monitor rings. If the number is incorrect or the indoor monitor does not exist, the outdoor panel will display "Failure". After 2 seconds, it will return to standby mode.

If the indoor monitor is busy, the outdoor panel will display "Busy" and then automatically return to standby mode.

During communication, pressing "*" button on the outdoor panel, the call will be cut off.

Calling management center

In a standby mode, input "0000" (4 digits), then press # to call management center. If successful, outdoor panel displays "Calling", and the management center rings.

If the number is incorrect or the management center does not exist, the outdoor panel will display "Failure". After 2 seconds, it will return to standby mode.

If the management center is busy, the outdoor panel will display "Busy" and then automatically return to standby mode.

During communication, pressing "*" on the outdoor panel, the call will be cut off.

Unlock the door

1. Unlocking by access password

Press # key and enter the access password(The default is 0000). Then press # key to confirm. If the password is correct, the door will be unlocked; if not, it will make a sound like "Deng Deng".
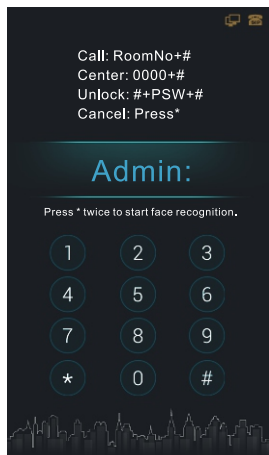
2.Unlocking by IC/ID card

Put the registered IC/ID card on card reader area of the outdoor panel. If successful, the door will be unlocked.
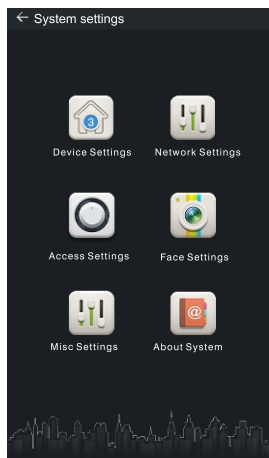
3.Unlocking by Face Recognition

When someone puts his/her face close to the LCD screen, outdoor panel will automatically start the face recognition or the user can press the "*" key twice to enter the face recognition. If the face has been registered, the door will be unlocked.

Basic Settings

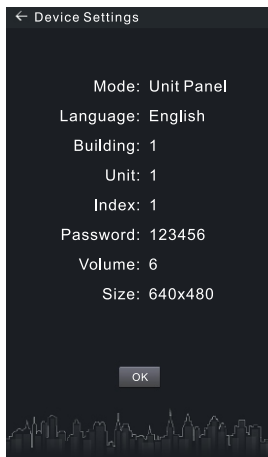Pressing (#) key twice, the LCD screen will show as follows:

Enter the system password(Factory default is 123456) to the main menu.

In Feature Set menu, you can set the following items.

1. Device settings

Press 🏠 to enter the following setting interface:

```
← Device Settings

        Mode: Unit Panel
    Language: English
    Building: 1
        Unit: 1
       Index: 1
    Password: 123456
      Volume: 6
        Size: 640x480


                OK
```

1.1 Device Mode

The device can be used as unit panel or wall panel. The device mode can be set through the item "Mode". Press "OK" to confirm after inputting. When the outdoor panel gives an indication tone, it means that it is changed successfully. If the device is used as unit panel, it can only call the indoor monitors in this unit. If the device is used as wall panel,it can call all the indoor monitors in the whole community.

1.2 Language, Volume and Size

The language, volume and size (resolution) are set in the same way as the settings of device mode. "Language" is used to set the language to be shown on the outdoor panel, supporting simplified Chinese, English, traditional Chinese and Spanish. "Volume" is used to set the prompt tone of outdoor panel, including 1-6 volume levels selection. There is 320x240, 640x480 or 1280x720 for the size.
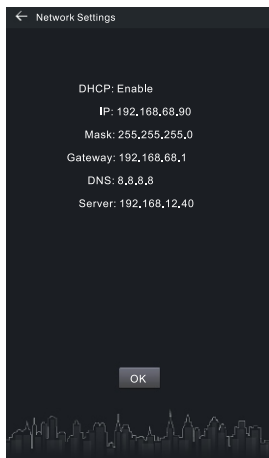
1.3 Building No., Unit No., Index and Password

Select the item to go to settings ⇨ Input the number to change ⇨ Press "OK" to confirm ⇨ When the outdoor panel gives an indication tone, it means that it is changed successfully.

2. Network Settings

Press 🎛️ to enter the following setting interface:

← Network Settings

DHCP: Enable
IP: 192.168.68.90
Mask: 255.255.255.0
Gateway: 192.168.68.1
DNS: 8.8.8.8
Server: 192.168.12.40

OK

2.1 DHCP

Press this item to go to settings. Press "OK" to confirm after inputting. When the outdoor panel gives an indication tone, it means that it is changed successfully. The user can enable or disable the function.

2.2 IP

The default IP address of the system is 192.168.68.90. The LCD screen will display as shown above. As for the devices which are connected on the same LAN (the same subnet of network segment), their IP addresses cannot be the same.

2.3 Mask

The system default is 255.255.255.0. The LCD screen will display as shown above.

2.4 Default Gateway

It refers to the gateway address for network segment of device's IP address. The system default is 192.168.68.1. The LCD screen will display as shown above.
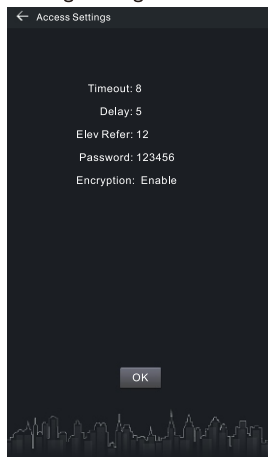
2.5 DNS

The system default is 8.8.8.8. The LCD screen will display as shown above.

2.6 Server

The server address refers to the IP address of computer with management software. In case that management software isn't required for managing the intercom devices, this setting is invalid. The default IP address of server is 192.168.12.40. The LCD screen will display as shown above.

3. Access Settings

Press ⬤ to enter the following setting interface:

3.1 Timeout

The item is used for controlling the unlocking time, namely, how long it will take the door to shut automatically after unlocking.

Press this item to go to settings. Input any number from 1 to 9. If the user enters the number 8, it means the unlocking time is set at 8 seconds. Press "OK" for confirmation after inputting. When the outdoor panel gives an indication tone, it means that the time is changed successfully.

3.2 Delay

The item is used for setting the delayed opening time, meaning how long it will delay unlocking the door after the user presses the unlock button on the indoor monitor.

Press this item to go to settings. The LCD screen will display as shown above. Input any number from 1 to 9. If the user enters the number 5, it means the delayed opening time is set at 5 seconds. Press "OK" for confirmation after inputting. When the outdoor panel gives an indication tone, it means that the time is changed successfully.

3.3 Password

The item is used for setting the password to unlock the door. Press this item to go to settings. Press "OK" for confirmation after inputting. When the outdoor panel gives an indication tone, it means that it is changed successfully.

3.4 Elev Refer (This item can only be used after connection to elevator control devices)

The item is used for setting the floor of outdoor panel.

Press this item to go to settings. The LCD screen will display as shown above. Set the floor of outdoor panel ranging from 01 to 99. After the door is unlocked, the elevator will reach the floor of outdoor panel. Press "OK" for confirmation after inputting. When the outdoor panel gives an indication tone, it means that it is changed successfully.

3.5 Encryption

Press this item to go to settings. Press "OK" for confirmation after inputting. When the outdoor panel gives an indication tone, it means that it is changed successfully. The user can enable or disable the function.

4. Face Settings

Press 🔘 to enter the following setting interface: