



# User Manual

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**DNAKE E214**



## REMARK

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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 encourage recycling and reusing the material resources.

# CATALOG

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# PRODUCT FEATURE

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- Easy and quick configuration
- 4.3-inch capacitive touch screen
- 5 touch buttons to suit user habits
- Powered by PoE or power adapter (DC12V/2A)
- Support SIP 2.0 protocol, easy integration with other SIP devices
- Support monitoring 8 IP cameras
- Optional wifi

# TECHNICAL PARAMETER

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- System: Linux
- RAM: 64 MB
- ROM: 128 MB
- Front Panel: Plastic
- Power Supply: PoE (802.3af) or DC 12V/2A
- Ethernet Port: 1xRJ45, 10/100Mbps adaptive
- Doorbell Input: 1
- Installation: Surface Mounting
- Dimension: 123 x 121 x 23.2 mm
- Working Temperature: -10°C to +55°C
- Storage Temperature: -40°C to +70°C
- Working Humidity: 10% to 90% (non-condensing)

# PACKAGE CONTENT

MODEL: E214



Indoor Monitor



Bracket

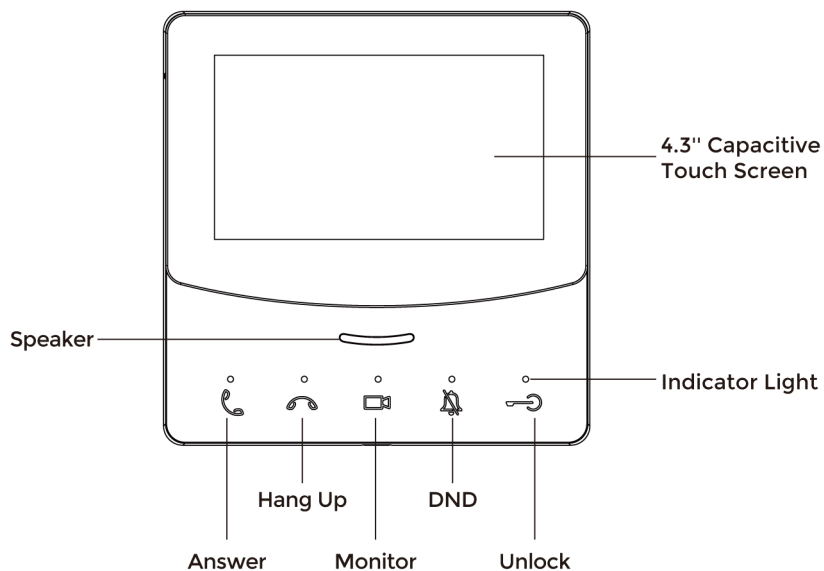


Screw (FM4X20)








Quick Start Guide

# OVERVIEW

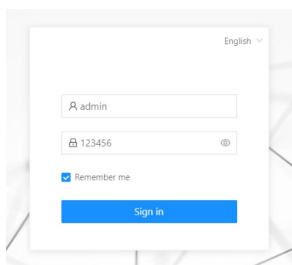


## 1. The Icons and their Corresponding Meanings

Button	Scenario	Type of Press	Action
	Incoming Call	Tap	Answer the call
	Incoming Call	Tap	Reject the call
	In Call	Tap	Hang up the call
	Standby	Tap	Monitor door station
		Long Press	Monitor IP cameras
	Standby	Tap	Enter/exit DND mode
		Long Press	Show IP address
	Incoming Call	Tap	Unlock (Configurable for lock 1 or 2 or 3 on the web UI)
		Long Press	Unlock (Configurable for lock 1 or 2 or 3 on the web UI)
	In Call	Tap	Unlock (Configurable for lock 1 or 2 or 3 on the web UI)
		Long Press	Unlock (Configurable for lock 1 or 2 or 3 on the web UI)

# WEB SETTING

Connect the indoor monitor and your PC to the same LAN. Once connected, open a web browser on your PC and enter the IP address of the indoor monitor in the address bar. You can find the IP address of the device in the settings Log in using the default credentials: admin (username) and 123456 (password). This will take you to the device's web interface, where you can configure various settings.

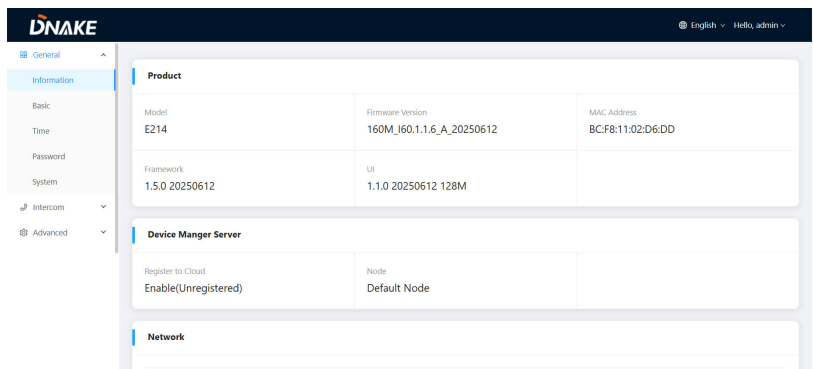


The login form is a white box with a light gray border. It has a language dropdown menu in the top right corner set to 'English'. Below it are two input fields: the first is for the username 'admin' and the second is for the password '123456'. There is a 'Remember me' checkbox below the password field. At the bottom is a blue 'Sign in' button.

## 1. General

### 1.1. General > Information

When you first log in to the web interface, you can find basic information displayed in this dashboard.



The dashboard has a dark blue header with the 'DNAME' logo on the left and 'English' and 'Hello, admin' on the right. A left sidebar contains a menu with 'General' (selected), 'Information', 'Basic', 'Time', 'Password', 'System', 'Intercom', and 'Advanced'. The main content area is divided into three sections: 'Product', 'Device Manger Server', and 'Network'. The 'Product' section contains a table with device details. The 'Device Manger Server' section contains a table with server status. The 'Network' section is currently empty.

Product		
Model	Firmware Version	MAC Address
E214	160M_J60.1.1.6_A_20250612	BC:F8:11:02:D6:DD
Framework	UI	
1.5.0 20250612	1.1.0 20250612 128M	

Device Manger Server	
Register to Cloud	Node
Enable(Unregistered)	Default Node

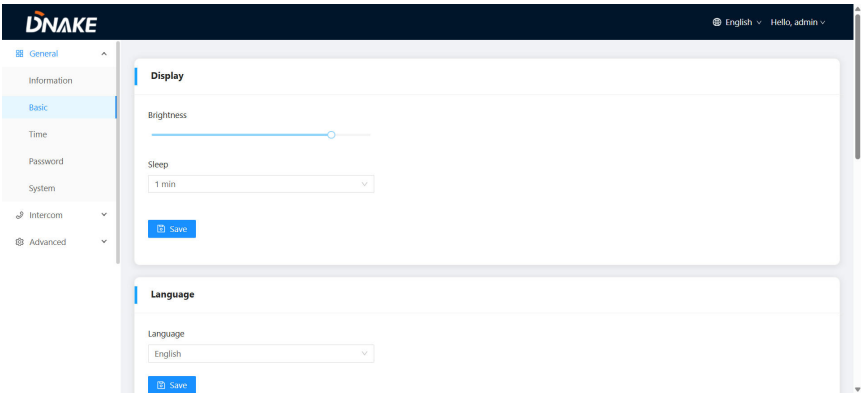
  

Network	
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Model:	Model of the device;
Firmware Version:	Firmware version of the device;
MAC Address:	MAC address of the device;
Framework:	Framework of the device;
UI:	UI of the device;
DHCP:	Status of DHCP;
IP Address:	Current IP address of the device;
Mask:	Subnet mask of the device;
Gateway:	Gateway of the device;
DNS:	Domain Name Server of the device;
Account:	SIP account of the device;
Status:	Status of SIP registration of the device;

### 1.2. General > Basic

Some basic settings of the device can be configured in this column.

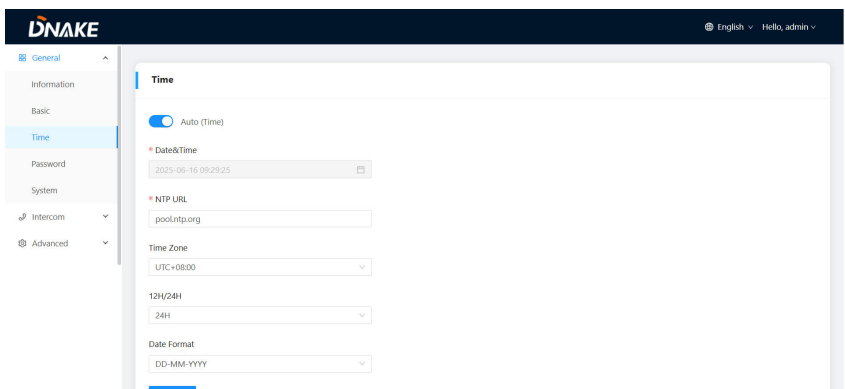


Brightness:	The brightness of the screen;
Sleep:	Screen off timeout (15s, 30s, 1min, 2mins, 5min s, 10mins, 30mins);

Language:	6 languages supported (English, Español, Türk, Polski, Русский, Italiano);
System Vol:	Volume of System can be set from 1 to 6. Volume 6 is the maximum volume (Key tone);
Intercom Vol:	Volume of Intercom can be set from 1 to 6. Volume 6 is the maximum volume (Call volume);
Ringtone:	The ringing sound (Ringtone 01-04);
Key Tone:	The keytone (Enable or disable);
Auto Answer:	Pick up the phone automatically when receiving a call;
Call From Monitor:	Enable to receive the call from other indoor monitors.
Hang Up After Unlocking:	Hang up automatically after unlocking doors.
DND:	DND is disabled by default. Whole Day: when DND is enabled, it will reject calls for the whole day. Duration: when DND is enabled, it will reject calls during this time.

### 1.3. General > Time

Time of the device can be configured. Daylight Saving Time is also supported.



Auto (Time):	Enable to synchronize computer time;
Date&Time:	Date and time can be set manually;
NTP URL:	Network Time Protocol (NTP) is a protocol used to synchronize NTP time;
Time Zone:	A region that observes a uniform standard time;
12H/24H:	Select 12H or 24H format to display on the device;
Date Format:	3 time formats supported (YYYY-MM-DD, DD-MM-YYYY, MM-DD-YYYY);
Daylight-saving Time:	Enable to set DST;
Start Time:	The beginning of DST;
End Time:	The ending of DST;
Offset Time:	The default value is 60 minutes;

## 1.4. General > Password

The System password is for the administrator to log in settings on the device while the Web password is for the administrator to log in settings on the web. The default password for both of them is 123456. User for Indoor Monitor is the security password whose default password is 1234.

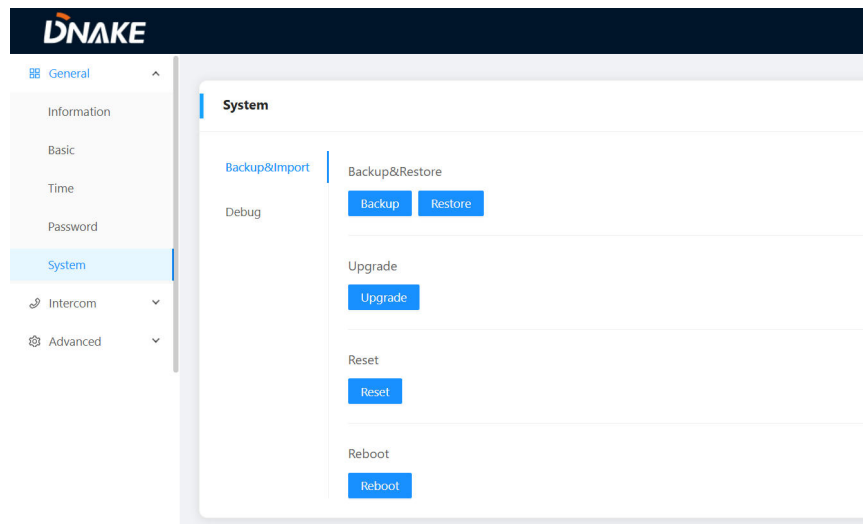
The screenshot shows the 'Password' configuration page in the D-NAKE web interface. The interface has a dark blue header with the 'D-NAKE' logo and user information 'English' and 'Hello, admin'. A left sidebar lists navigation options: 'General', 'Information', 'Basic', 'Time', 'Password' (highlighted), and 'System'. The main content area is titled 'Password' and contains three sections: 'System', 'User', and 'Web'. Each section has a 'New Password' field and a 'Confirm Password' field. A 'Save' button is located at the bottom of the form.

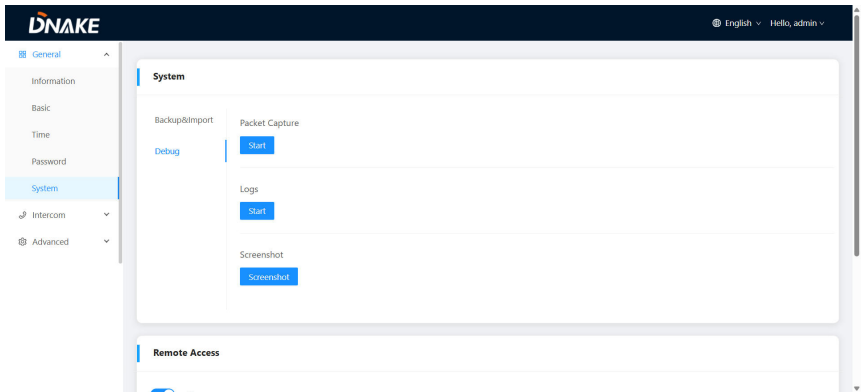
System Old Password:	Current administrator password of the Device (Default 123456);
System New Password:	New administrator password of the Device;
System Confirm Password:	Confirm administrator password of the Device;

User Old Password:	Current security password of the Device (Default 1234);
User New Password:	New security password of the Device;
User Confirm Password:	Confirm security password of the Device;
Web Old Password:	Current administrator password of the web (Default 123456);
Web New Password:	New administrator password of the web;
Web Confirm Password:	Confirm administrator password of the web;

## 1.5. General > System

The system column is designed for data backup and restore, firmware upgrade, factory default, device reboot, packet capture, logs capture, and obtaining UI screenshots.





Backup&Restore:	Backup all setting and restore settings;
Upgrade:	Upgrade equipment;
Reset:	Reset to factory settings;
Reboot:	Reboot the device;
Packet Capture:	Capturing packets can help developers reproduce positioning problems;
Logs:	Device logs;
Screenshot:	Screenshot device interface;
Remote Access:	The accessibility of Web UI via Dnake Cloud

## 2. Intercom

### 2.1. Intercom > Device

Toggle the "Register to Cloud" button to decide whether to register the device to the cloud.

The numbers below are basic settings for calling the Indoor Monitor. For Door Stations, Building and Unit numbers must match those set in the Indoor Monitor.

When using multiple Indoor Monitors, keep Building, Unit, Apartment No., and Sync identical across all devices. Set a unique Device number from 0 to 9. One Indoor Monitor must have Device number 0 and stay online, as 0 represents the main unit.

DNAKE

English Hello, admin

General

Information

Basic

Time

Password

System

Intercom

Device

Network

Call

Phonebook

Call Logs

Advanced

Device

Automatic deployment

Building No.

50

Unit No.

50

Apartment No.

2

Device No.

0

Sync

6678786

Save

Building:	Number of the building (Range: 1-999);
Unit:	Number of the unit (Range: 0-99);
Room:	Number of the apartment (Range: 0-9899);
Device No:	Number of the device (Range: 0-9);
Sync:	A number used to synchronize to other Indoor Monitors;

## 2.2. Intercom > Network

The device network can be set to either DHCP or a static IP address.  
Intercom network is the way of Internet connection used during calls.

DNAKE

English Hello, admin

General

Information

Basic

Time

Password

System

Intercom

Device

Network

Call

Phonebook

Call Logs

Advanced

Ethernet

DHCP

IP Address

192 . 168 . 68 . 90

Mask

255 . 255 . 255 . 0

Gateway

192 . 168 . 68 . 1

DNS

0 . 0 . 0 . 0

Save

11



SIP Server Host:	Directly fill in SIP server's address e.g., 192.168.68.90; The default port is 5060;
Outbound Proxy:	Outbound Proxy server; the default port is 5060;
Transport Protocol:	Transport Protocol (UDP, TCP, TLS);
Ring Code:	Ring code. Without SDP or with (180 or 183);
Video Payload:	Video payload range is 96-127;

## 2.4. Intercom > Call

Ring group is for setting up SIP calls or call mode. Concierge button, extension of other Indoor Monitors, the length of the call, and ring time can also be configured here.

**Call Concierge URL:** Fill in the call destination for concierge button or the single button on the device;

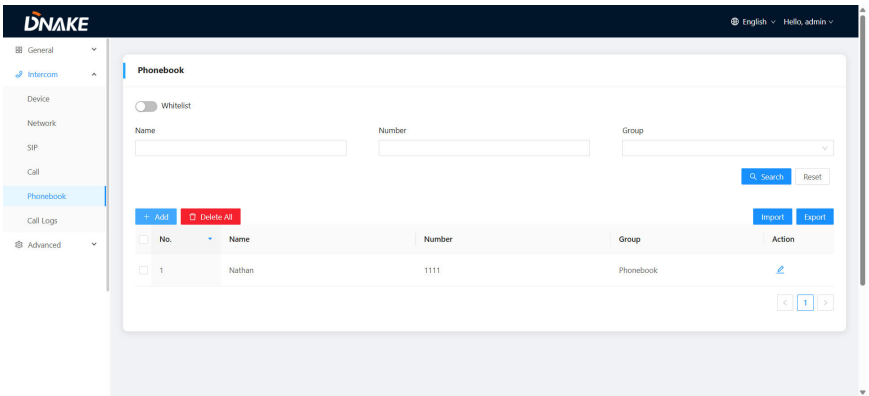
- IP call:  
Fill in sip:IP address,  
e.g., sip:192.168.68.90;

**Multicast:** Enable to receive broadcast from Master Station;

Ex Phone:	Extend to more Indoor Monitors by filling in sip:IP address (6 Max) such as sip:192.168.68.90 (6 Max);
Ring Time:	The ring will be ended automatically after a period of time (10s, 20s, 35s, 45s, 60s, 90s, 120s)
Call Time:	The call will be ended automatically after a period of time (120s, 300s, 600s, 1200s, 1800s);

## 2.5. Intercom > Phonebook

All contacts on Indoor Monitor can be edited here.




Whitelist:	Enable whitelist to block other calls outside of the whitelist. For example, Ana is in the whitelist but Nyree isn't in it. Ana can call in while Nyree can't;
Search:	Fill in text inputs to search;
Reset:	Click reset to clear words in text inputs;
Add:	Click to add more contacts;
Delete All:	Delete all data on the chart;
Import:	Import all data to the chart;
Export:	Export all data on the chart;

## 2.6. Intercom > Call Logs

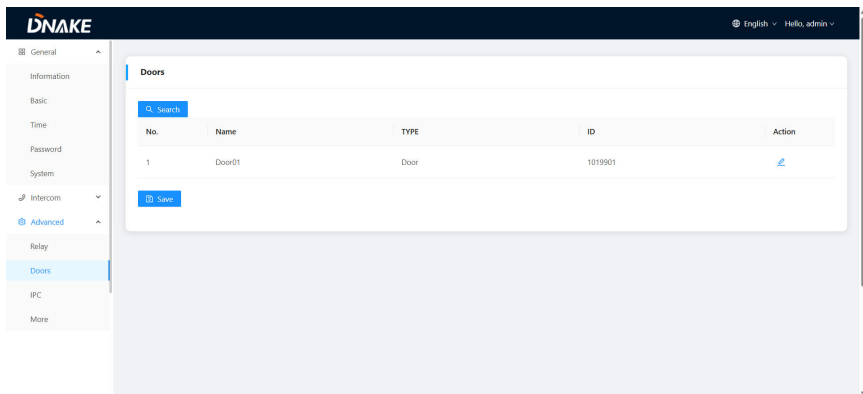
All call logs can be checked here.




Unlock Button 1-3:	Enable or disable relays for unlock buttons;
Name:	Customize name for unlock button;
Type:	<p>Type 1-3: 3 types of unlock way are optional (DTMF/HTTP)</p> <p>HTTP——the format is <code>http://192.168.3.119/cgi-bin/webapi.cgi?api=unlock&amp;index=2&amp;username=admin&amp;password=E10ADC3949BA59ABBE56E057F20F883E</code>;</p> <p>Note:</p> <ul style="list-style-type: none"> <li>• "192.168.3.119" is the IP address of Door Station;</li> <li>• The number "2" after "index=" is the number for relay. (Relay 1 is 0; relay 2 is 1; relay 3 is 2);</li> <li>• "admin" here should be changed to your admin account;</li> <li>• "Password" is Password of admin;</li> <li>• "E10ADC3949BA59ABBE56E057F20F883E" here is MD5 (Message-Digest Algorithm) encrypted. Users need to use account password to encrypt and change it.</li> </ul> <p>DTMF——Dual-tone multi-frequency signaling,</p> <p>Relay1: #, Relay2: 0, relay3: *;</p>
Hardware Unlock Button:	Set the relays that will be released when you tap or long press  on the device.

## 3.2. Advanced > Doors

The Doors tab is where you can search and add doors.



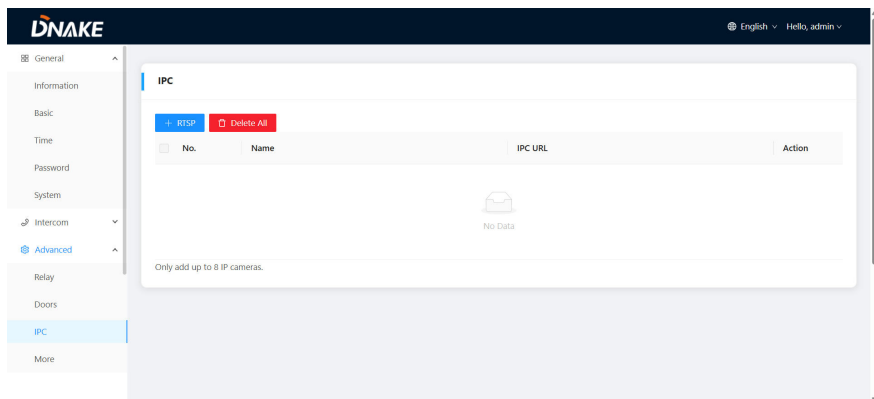
The screenshot displays the D-NAKE web interface. On the left is a sidebar menu with categories: General, Information, Basic, Time, Password, System, Intercom, Advanced, Relay, Doors (highlighted), IPC, and More. The main panel is titled 'Doors' and contains a table with the following data:

No.	Name	TYPE	ID	Action
1	Door01	Door	1019901	

At the top of the table area, there is a search button with a magnifying glass icon and a 'Save' button with a floppy disk icon.

### 3.3. Advanced > IPC

This is where you can add IPC.

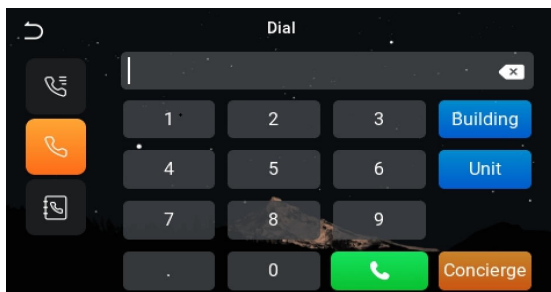
The 'Add' dialog box is shown with a close button (X) in the top right corner. It contains two required input fields: '\* Name:' with a character count of '0 / 30', and '\* IPC URL:'. At the bottom right are 'Cancel' and 'OK' buttons. The background of the dialog shows a 'No Data' state with a camera icon.

Name:	Customize the name of IPC;
IPC URL:	Fill in IPC's RTSP stream;

# BASIC OPERATION

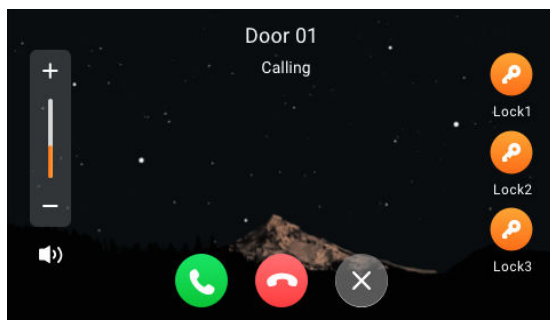
## 1. Call

Tab  to input the apartment number and make a call.





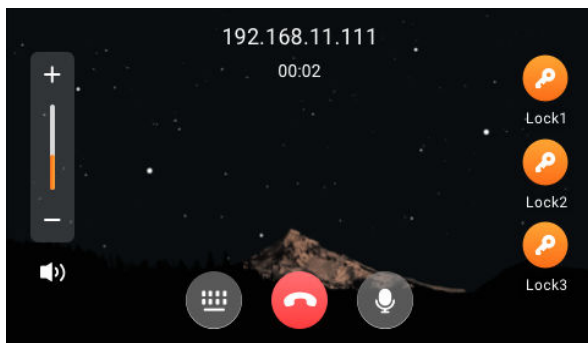
When there is an incoming call, tap the the keys corresponding to the icons or directly tab the icons on the screen to answer, reject, adjust volume, or unlock the door.

On this screen,  can be tapped or long-pressed to unlock.



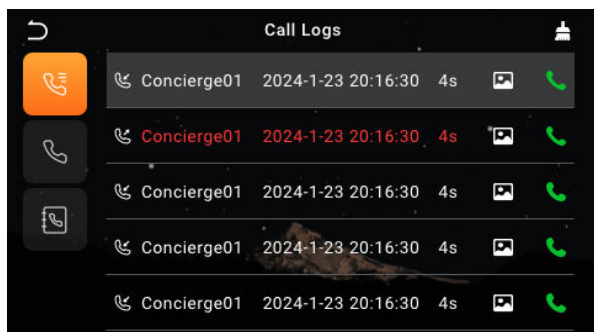
When the call is picked up, you can tap icons on the screen to unlock, end call or mute/unmute.

Also it's supported to tap  to end the call, and tab or long-press  to unlock the doors



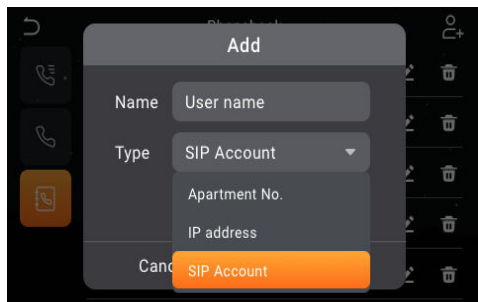
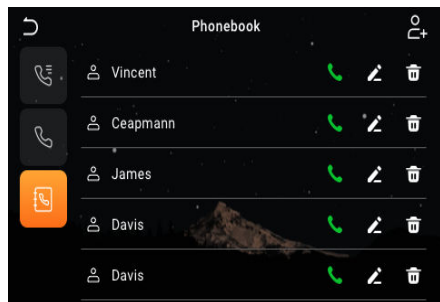
## 2. Call Logs

All call logs can be checked here, including caller, call time, duration and snapshots.



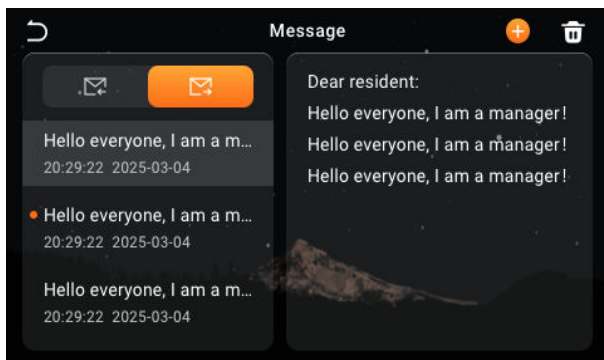
### 3. Phonebook

The phonebook allows users to add contacts by filling in the name, apartment number, IP address, and SIP account, and then make a call.



### 4. Message


The message section is for receiving or sending messages to the IP configured on the WEB UI.

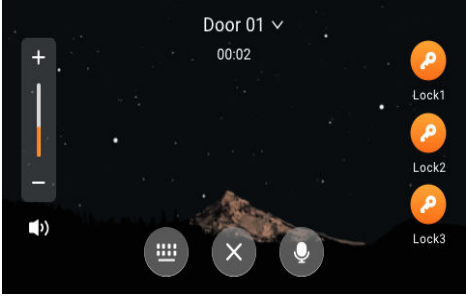
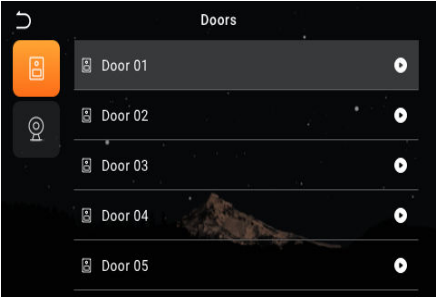


### 5. Live View


The Live View function includes two modules for real-time monitoring: Door Station Monitoring lets users view live video from the door station to check visitors or

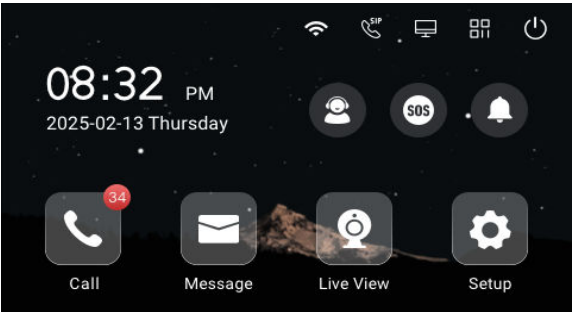
entrance conditions, while IPC Monitoring enables access to live streams from connected IP cameras for surveillance of designated areas like public zones or corridors.

The  button corresponds to the Live View icon. In this case, tapping will monitor the door station and long-pressing will monitor IP cameras.




6. Calling Concierge

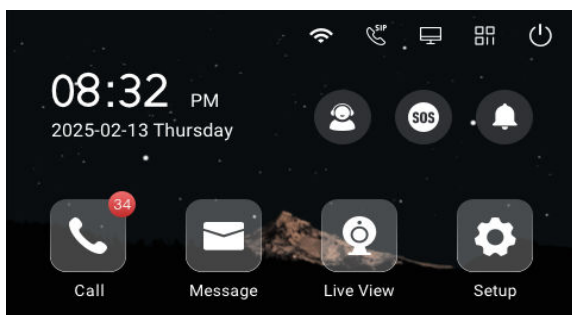
Tab  on the main interface to make a quick call to concierge




7. SOS


When the  is pressed, the management unit (e.g., property or monitoring center) will receive an SOS alert, indicating that the user is in an emergency

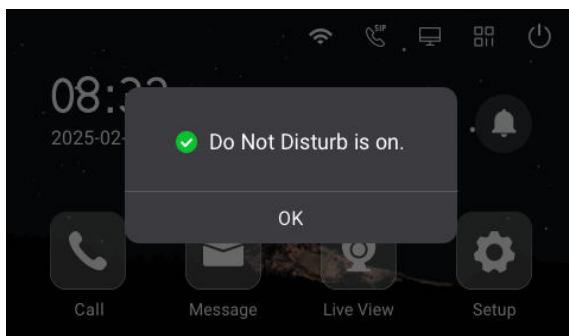
situation. The system is designed to ensure timely response to such incidents.



## 8. DND

Pressing the  enables Do Not Disturb mode. In this mode, the door station will not be able to call the indoor monitor, preventing any disturbances to the resident.

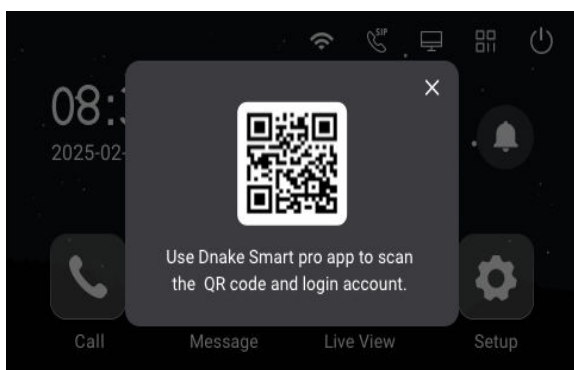
The  button corresponds to the Live View icon. In this case, tapping once will enter DND mode and twice will exit.




## 9. QR Code

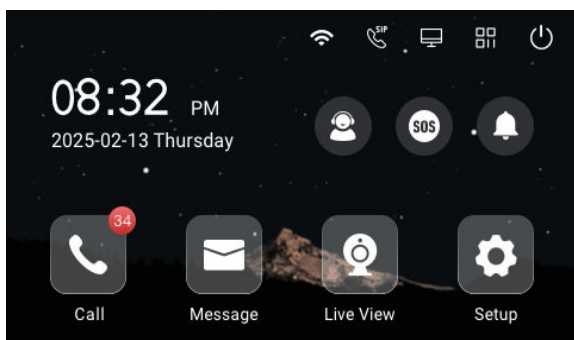
When the device is registered to the cloud, you can use Dnake Smart Pro

App to scan the code and bind the device.



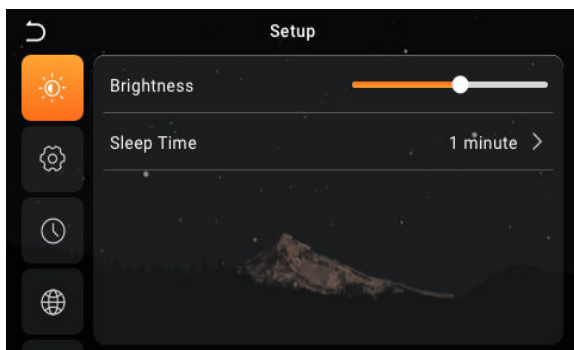
## 10 Lock Screen

Tap  to lock the screen and secure the interface. Touch the screen again to unlock and regain access to the device.



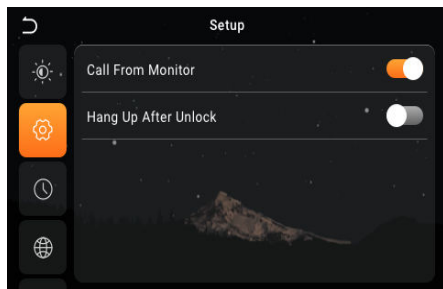
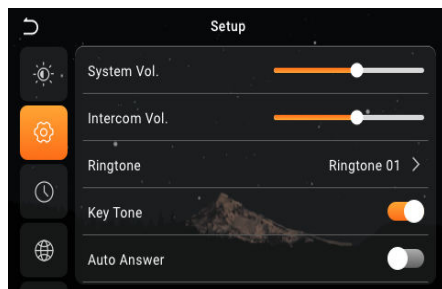
## 11. Setup

### 11.1. Setup > Display



Brightness	Screen brightness adjustment;
Sleep Time	Screen sleep time (15s, 30s, 1min, 2mins, 5mins, 20mins, 30mins);

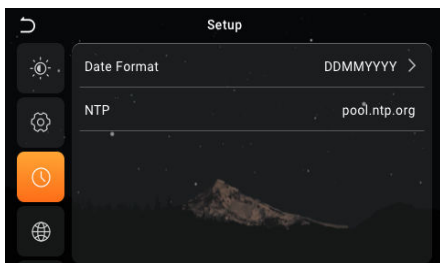
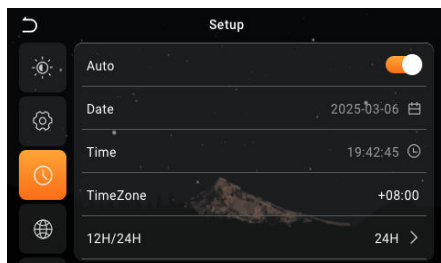
### 11.2. Setup > Intercom



System Vol:	Volume of System can be set from 1 to 6. Volume 6 is the maximum volume (Key tone);
Intercom Vol:	Volume of Intercom can be set from 1 to 6. Volume 6 is the maximum volume (Call volume);
Ringtone:	The ringing sound (Ringtone 01-04);

Key Tone:	The keytone (Enable or disable);
Call From Monitor:	Enable to receive the call from other indoor monitors.
Auto Answer:	Pick up automatically when receiving a call;
Hang Up After Unlocking:	Hang up automatically after unlocking doors.

### 11.3. Setup > Date&Time



Auto:	Enable to synchronize computer time;
Date&Time:	Date and time can be set manually;
Time Zone:	A region that observes a uniform standard time;
12H/24H:	Select 12H or 24H format to display on the device;
Date Format:	3 time formats supported (YYYY-MM-DD, DD-MM-YYYY, MM-DD-YYYY);
NTP:	Network Time Protocol (NTP) is a protocol used to synchronize NTP time;

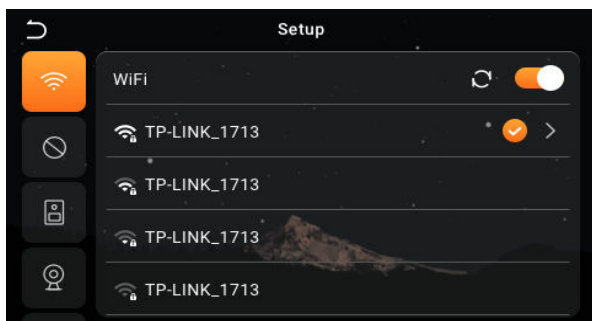
### 11.4. Setup > Language



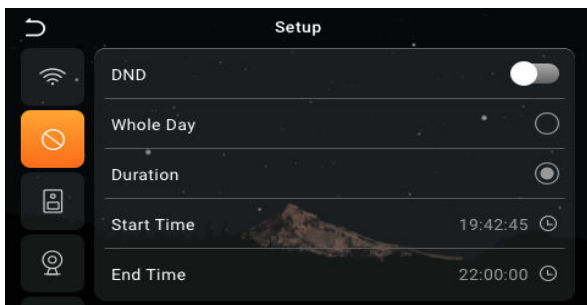
Language:	6 languages supported (English, Español, Türk, Polski, Русский, Italiano);
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## 11.5. Setup > WiFi

E214 supports only 2.4G for time being.



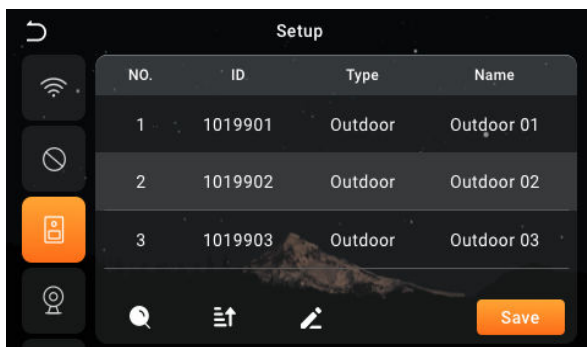
## 11.6. Setup > DND



DND:	DND is disabled by default. Whole Day: when DND is enabled, it will reject calls for the whole day. Duration: when DND is enabled, it will reject calls during this time.
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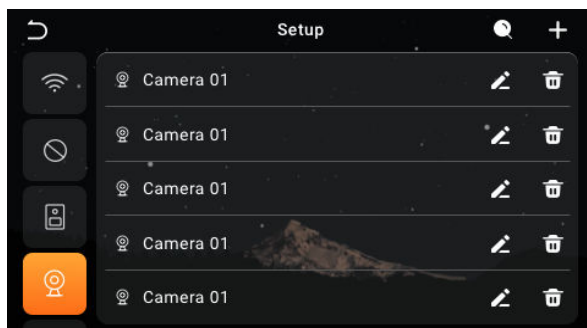
## 11.7. Setup > Doors

You need to click search icon to add Door Stations to Indoor Monitor and click Save to save before monitoring. Click funnel icon to pin the selected device to the top. Click pen icon to edit devices.



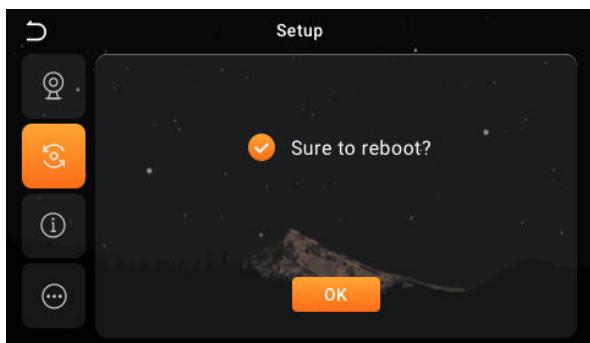
## 11.8. Setup > Cameras

You can add cameras by clicking the icon on the right upper corner or on the web UI. After that, you are able to switch to monitor other devices by clicking arrow or the name above

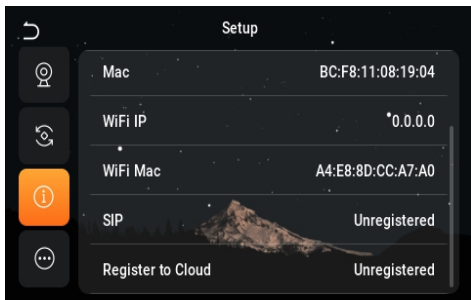
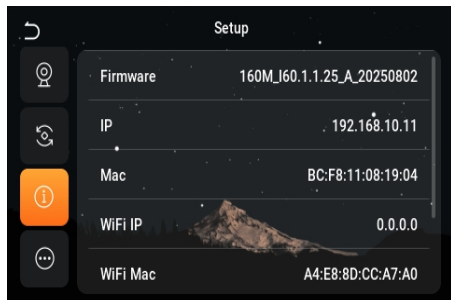


## 11.9. Setup > Reboot

You can click “OK” to reboot indoor monitor.



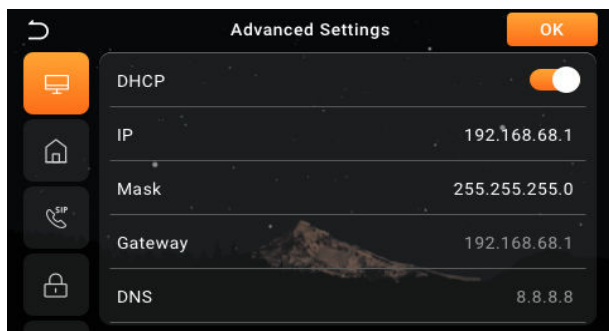
## 11.10. Setup > Version



Firmware Version:	Firmware version of the device;
IP:	Current IP address of the device;
MAC:	MAC address of the device;
WiFi IP:	Current WiFi IP address of the device;
WiFi MAC:	WiFi MAC address of the device;
SIP:	Status of SIP registration of the device;
Register to Cloud:	Status of Cloud registration of the device;

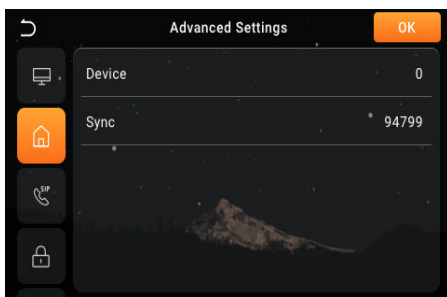
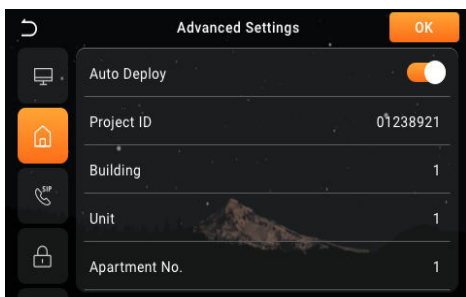
### 11.11. Setup > Advanced > Network

The device network can be set to either DHCP or a static IP address.



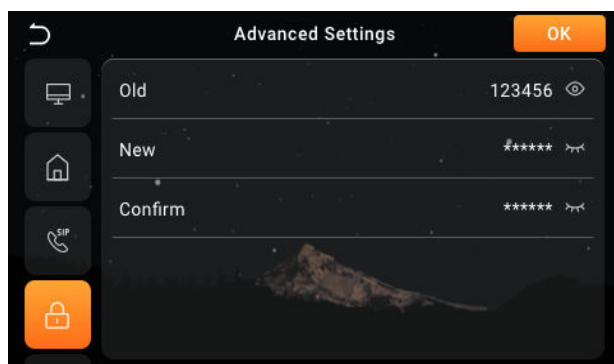
DHCP:	Enable DHCP (Dynamic Host Configuration Protocol) to dynamically distributing network configuration parameters;
IP:	Configure Static IP address to manually distributing network configuration parameters;
Mask:	Subnet mask;
Gateway:	A component that is part of two networks, which use different protocols;
DNS:	Domain Name Server of the device;

### 11.12. Setup > Advanced > Room



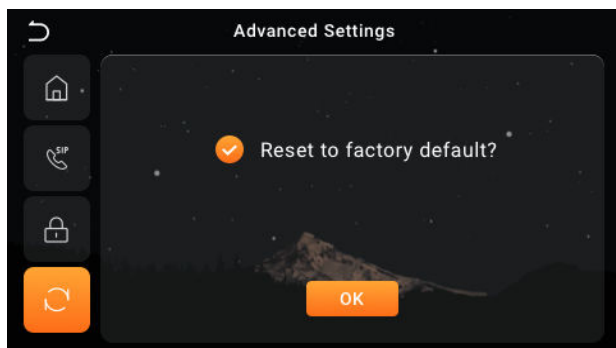
Auto Deploy:	Automatically deploy the configurations from the cloud to the device
Project ID:	Filling in the project ID to automatically add the device to the project
Unit:	Number of the unit (Range: 0-99);
Building:	Number of the building (Range: 1-999);
Unit:	Number of the unit (Range: 0-99);
Room:	Number of the apartment (Range: 0-9899);
Device No:	Number of the device (Range: 0-9);
Sync:	A number used to synchronize to other Indoor Monitors;

### 11.13. Setup > Advanced > Password



Old Password:	Current administrator password of the Device (Default 123456);
New Password:	New administrator password of the Device;
Confirm Password:	Confirm administrator password of the Device;

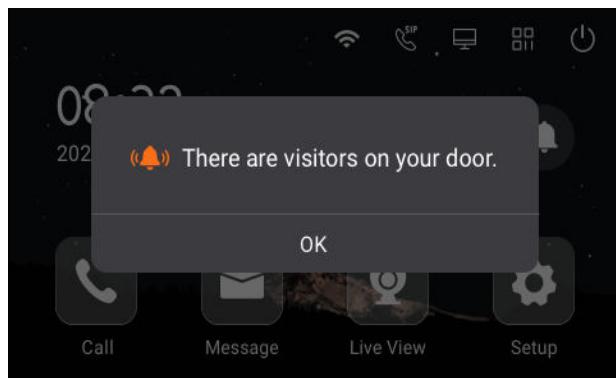
## 11.14. Setup > Advanced > Reset



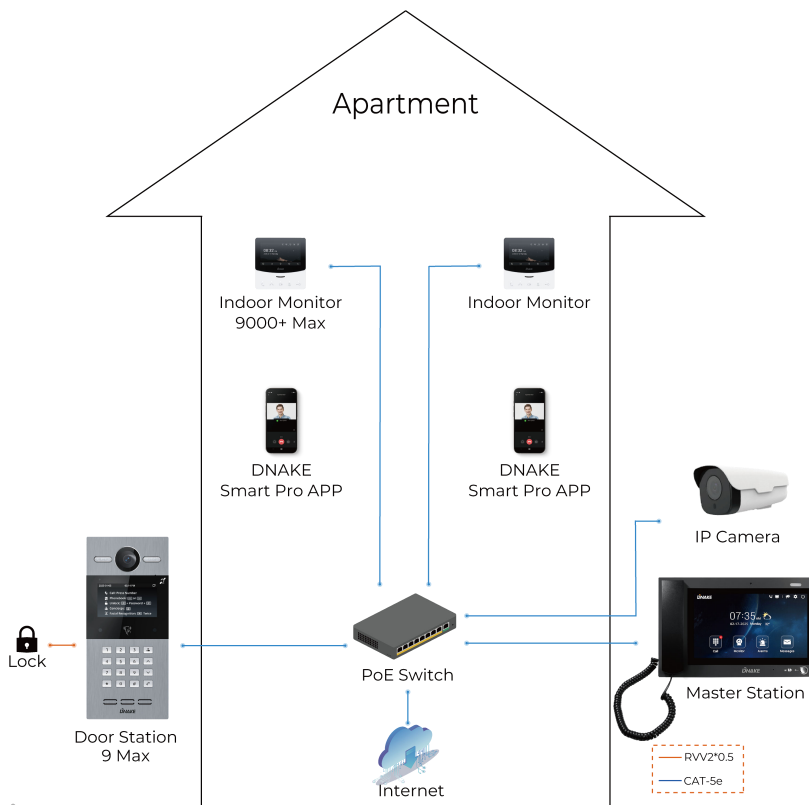
Reset:	Reset to factory default;
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## 11. Doorbell

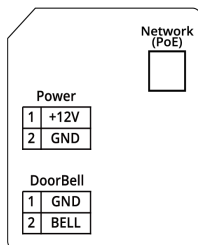
When a visitor is at the door and presses the doorbell, the following screen will show up, click ok to dismiss the alarm.



# SYSTEM DIAGRAM



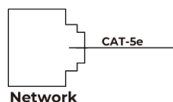
# DEVICE WIRING



## 1. Network (PoE)

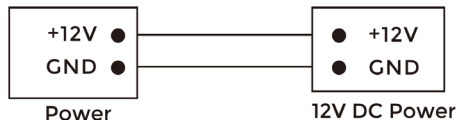
Network (PoE) interface is for the connection with PoE switch or other network switch.

PSE shall comply with IEEE 802.3af (PoE) and its output power not less than 15.4W and its output voltage not be less than 50V.



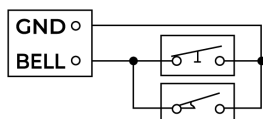
## 2. Power

The power interface of Indoor Monitor connects to 12V DC power.



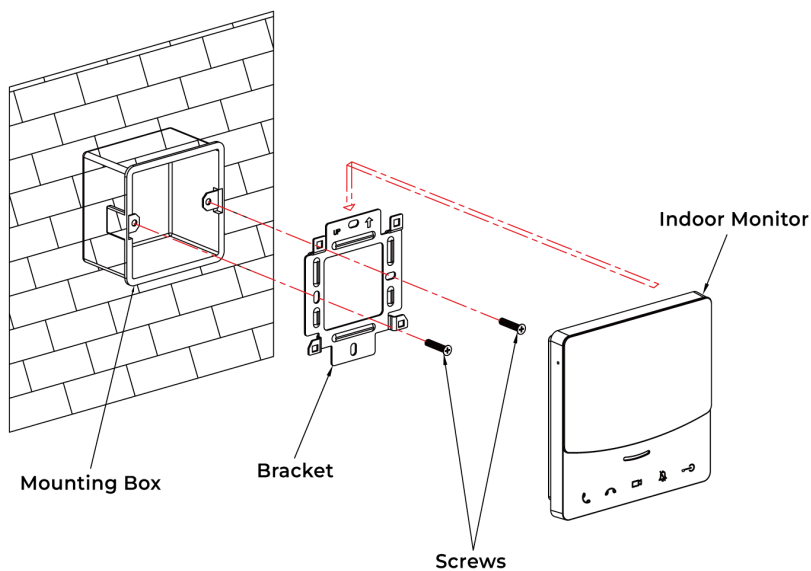
### 3. Doorbell

The doorbell interface is used to connect to external doorbell button.



# INSTALLATION

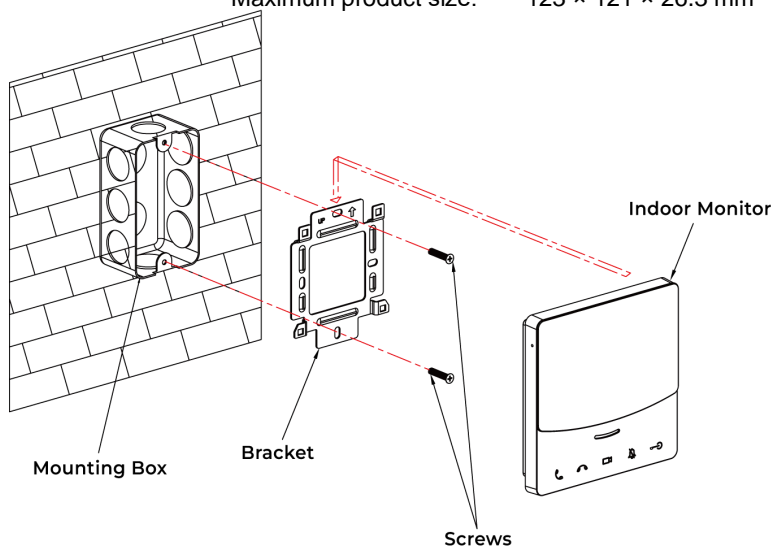
## Surface Mounting-86 Mounting Box



Product size: 123 × 121 × 23.2 mm  
Maximum product size: 123 × 121 × 26.3 mm

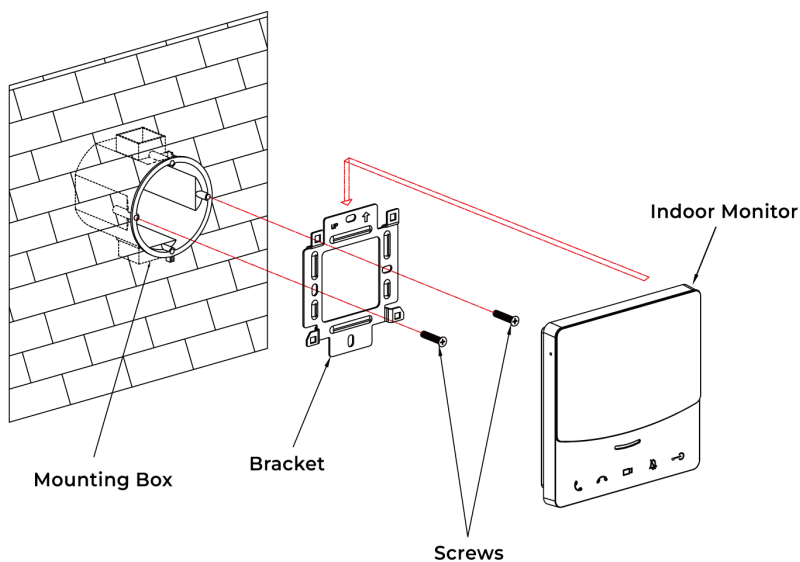
## Surface Mounting-118 Mounting Box

Product size: 123 × 121 × 23.2 mm  
Maximum product size: 123 × 121 × 26.3 mm



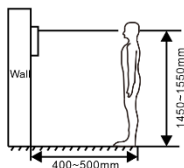
Product size: 123 × 121 × 23.2 mm  
Maximum product size: 123 × 121 × 26.3 mm

## Surface Mounting-86 Mounting Box



Product size: 123 × 121 × 23.2 mm  
Maximum product size: 123 × 121 × 26.3 mm

### Tips:



The camera should be 1450~1550mm above the ground.  
The camera at this height can capture human face perfectly.

# TROUBLESHOOTING

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## **The Indoor Monitor cannot start up or power off automatically.**

- Check whether it has power-failure, and power it on again

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## **The Indoor Monitor display screen is too dim.**

- Check whether the brightness and contrast settings of screen are correct.

---

## **No sound during the communication.**

- Check whether the Indoor Monitor is set as mute mode, or the volume is set to the lowest.

---

## **The Indoor Monitor cannot monitor the Door Station.**

- Other user is using the system, so you can use it once he/she finished the operation.

---

## **Multimedia files cannot be played normally.**

- Check whether the system supports the file format. Please refer to the multimedia setting for details.

---

## **No response when clicking Indoor Monitor display screen.**

- Press "Unlock" button for 5s, or slowly slide horizontally or vertically on the LCD to make touchscreen calibration. It needs to be calibrated.

---

## **Touchscreen responses slowly or cannot make calibration.**

- Take down any protective paster, since it may affect identification
- and input for device;
- Ensure the finger is dry and clean when clicking touchscreen;
- Restart the device to clear any temporary software error.

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## **The temperature of device is too high.**

- Long-term use leads to high temperature. It's normal and will not affect the device's use life and performance.
-

# SAFETY INSTRUCTION

**In order to protect you and others from harm or your device from damage, please read the following information before using the device.**

- Do not install the device in the following places:
- Do not install the device in high-temperature and moist environment or the area close to magnetic field, such as the electric generator, transformer or magnet.
- Do not place the device near the heating products such as electric heater or the fluid container.
- Do not place the device in the sun or near the heat source, which might cause discoloration or deformation of the device.
- Do not install the device in an unstable position to avoid the property losses or personal injury caused by the falling of device.

## **Guard against electric shock, fire and explosion:**

- Do not use damaged power cord, plug or loose outlet.
- Do not touch the power cord with wet hand or unplug the power cord by pulling.
- Do not bend or damage the power cord.
- Do not touch the device with wet hand.
- Do not make the power supply slip or cause the impact.
- Do not use the power supply without the manufacturer's approval.
- Do not have the liquids such as water go into the device.

## **Clean Device Surface**

- Clean the device surfaces with soft cloth dipped in some water, and then rub the surface with dry cloth.

## **Other Tips**

- In order to prevent damage to the paint layer or the case, please do not expose the device to chemical products, such as the diluent, gasoline, alcohol, insect-resist agents, opacifying agent and insecticide.
- Do not knock on the device with hard objects.
- Do not press the screen surface. Overexertion might cause flopover or damage to the device.
- Please be careful when standing up from the area under the device.
- Do not disassemble, repair or modify the device at your own discretion.
- The arbitrary modification is not covered under warranty. When any repair required, please contact the customer service center.
- If there is abnormal sound, smell or fume in the device, please unplug the power cord immediately and contact the customer service center.
- When the device isn't used for a long time, the adaptor and memory card can be removed and placed in dry environment.
- When moving, please hand over the manual to new tenant for proper usage of the device.



**EASY & SMART  
INTERCOM SOLUTIONS**