User Manual

DNAKE S617 Pro

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 encourage recycling and reusing the material resources.

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PRODUCT FEATURE

1. Powered by Android 15
2. 8-inch IPS LCD capacitive touch screen
3. Built-in 12V DC output for direct lock power supply
4. 2 output relays for door locks
5. Dual 2MP HD cameras with automatic lighting
6. Support WDR technology to lighten the dark areas and darken the overexposed parts of the image
7. Support 20,000 users, 20,000 faces, and 100,000 cards
8. Tamper alarm

TECHNICAL PARAMETER

Power Supply: PoE+ (802.3at) or DC 12V/2A

Standby Power: 8 W

Rated Power: 16 W

Resolution: 1280 x 800

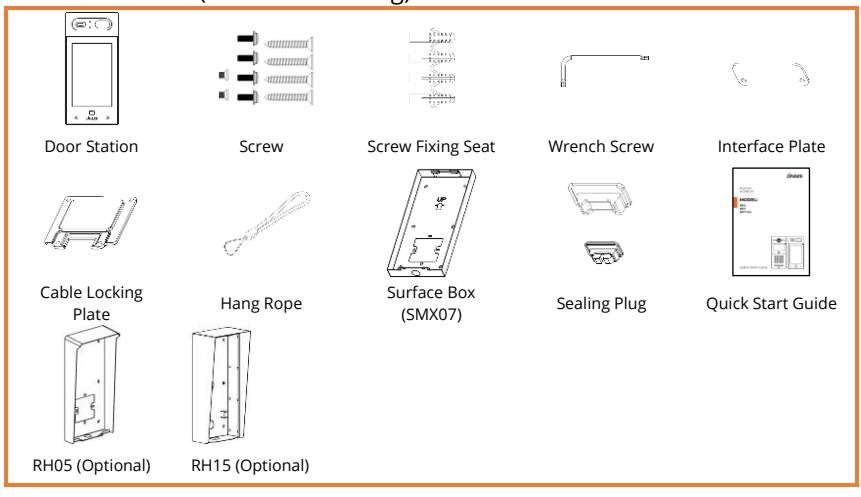
Working Temperature: -40℃ to +55℃

Storage Temperature: -40℃ to +70℃

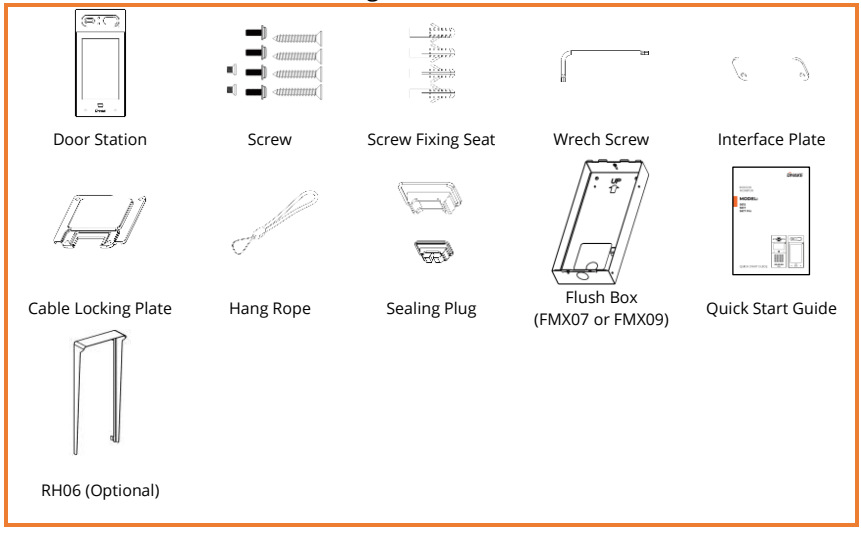
Working Humidity: 10% to 90% (non-condensing)

PACKAGE CONTENT

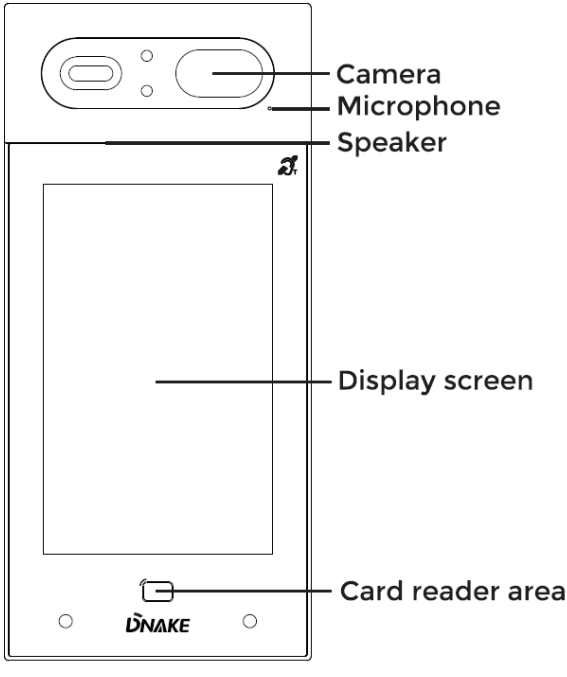
MODEL: S617 Pro (Surface Mounting)



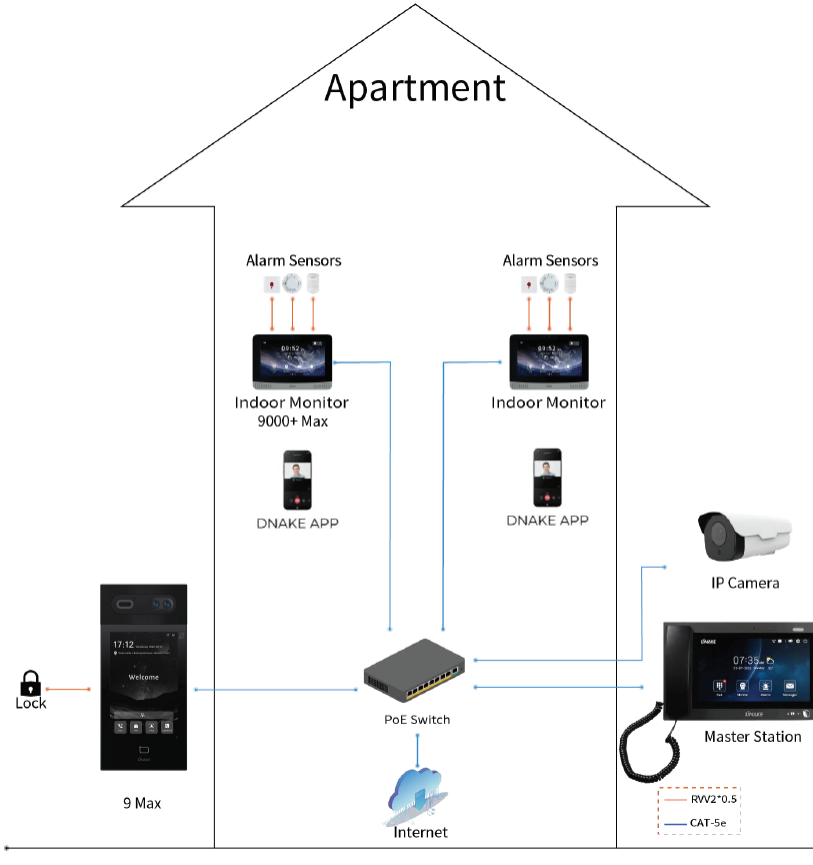
MODEL: S617 Pro (Flush Mounting)



OVERVIEW


Camera
Microphone
Speaker
Display screen
Card reader area
DNAKE

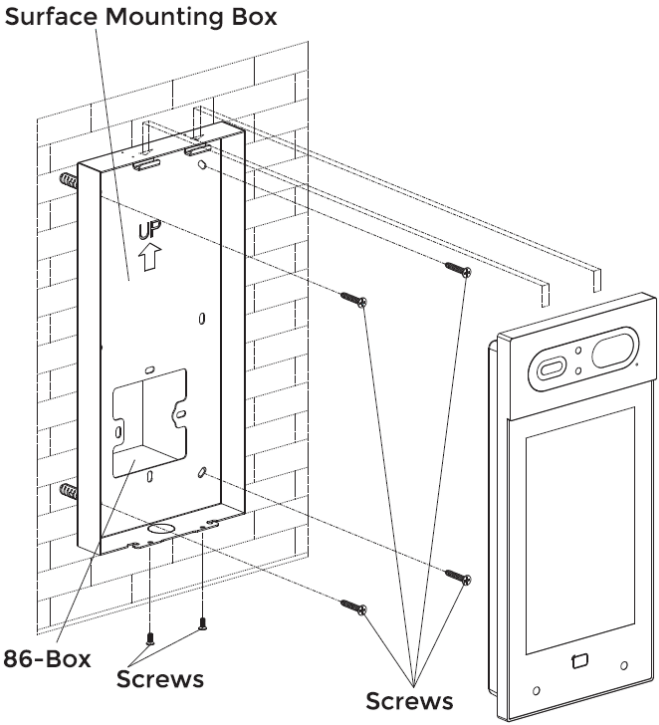
SYSTEM DIAGRAM



INSTALLATION

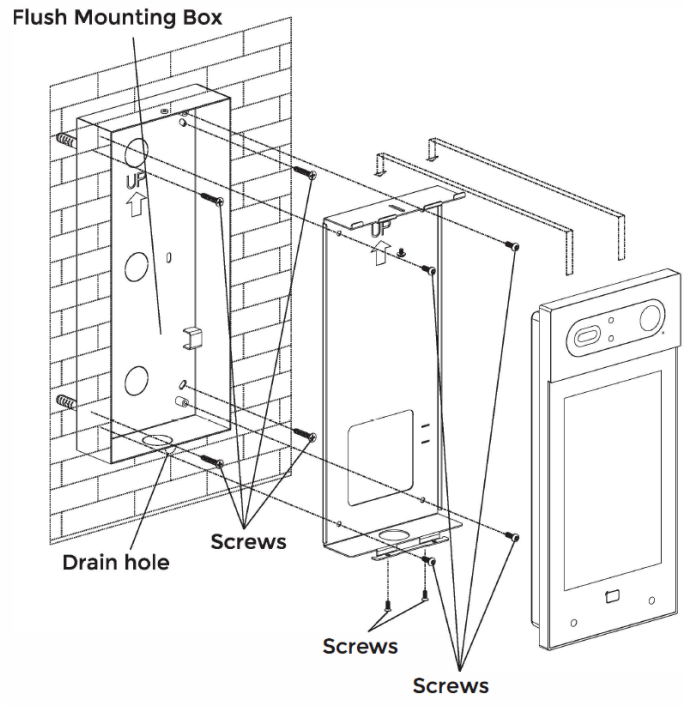
Surface Mounting with Surface Box SMX07

Silicone seal is required around the surface housing to waterproof the back (cablesand connections)



Product Size: 140 × 300 × 37.8 mm
Surface Mounting Size: 140 × 300 × 41.8 mm

Flush Mounting with FMX07

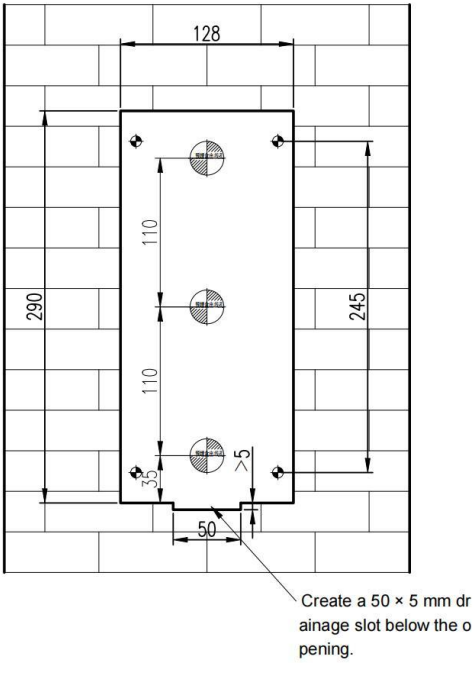


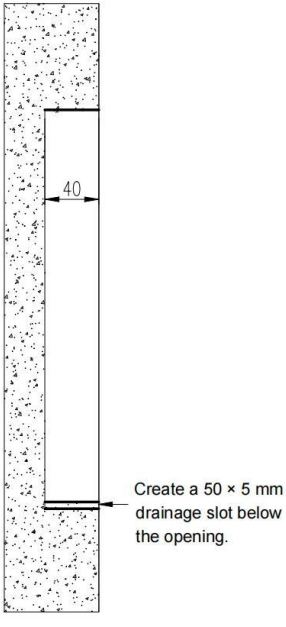
Product Size:	140 × 300 × 37.8 mm
Flush Mounting Size:	140 × 300 × 60.3 mm
Mounting Hole Size:	134 × 296 × 46 mm

Flush Mounting with FMX09

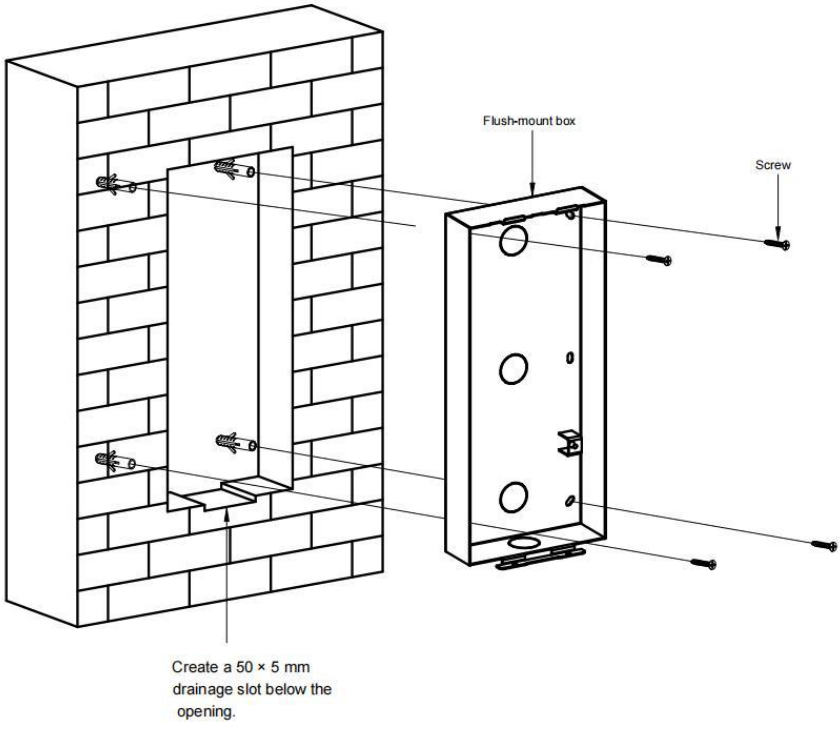
Step 1: Determine the installation height of the door station on the wall.

Cut an opening of 290 × 128 × 40 mm according to the reference diagram to accommodate the flush-mount box.

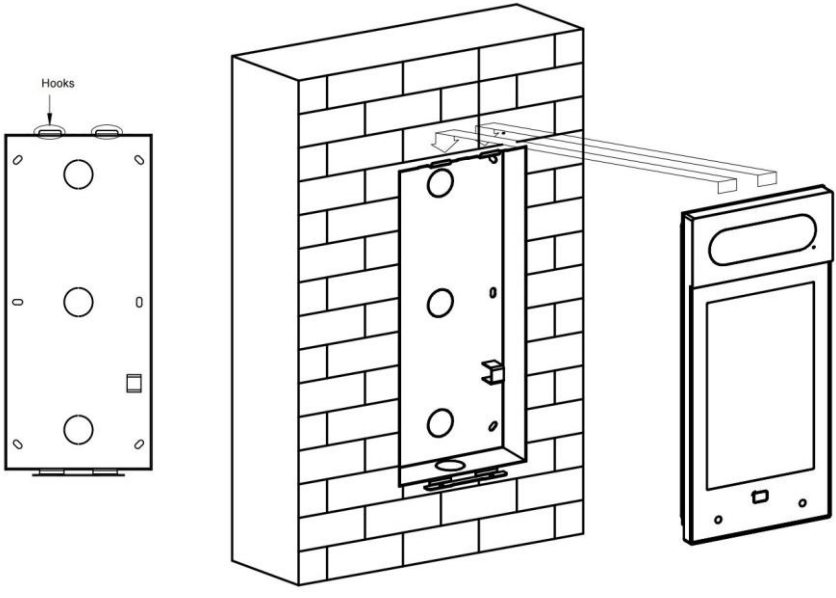




Step 2: Use the four supplied screws to fix the flush-mount box to the wall.

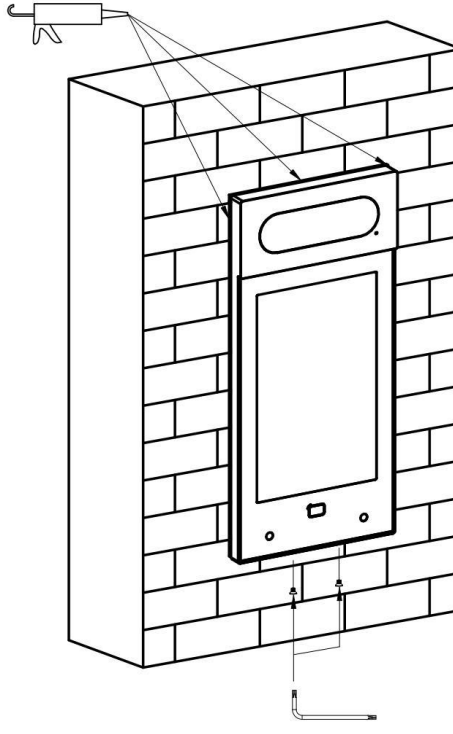


Step 3: Align the two slots on the top of the device with the two hooks on the flushmount box, then hang the device onto the hooks.



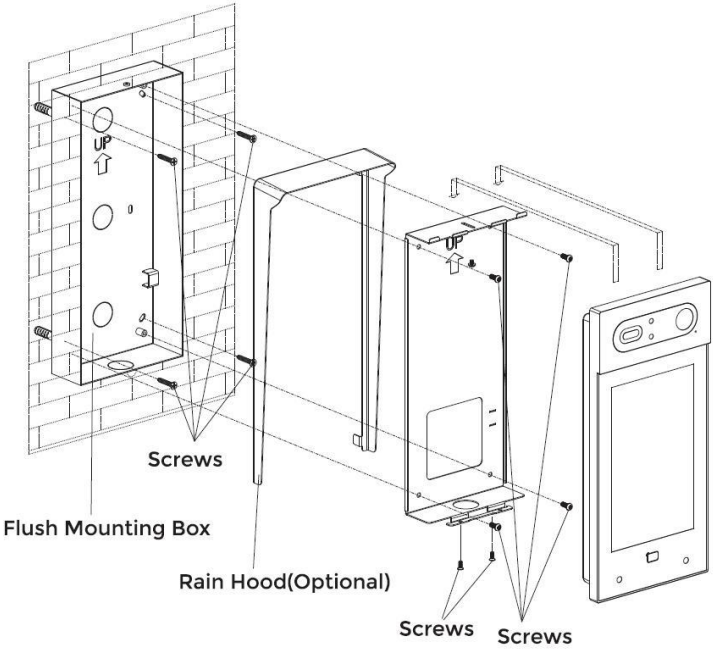
Step 4: Use the supplied wrench to tighten the two countersunk screws at the bottom of the device and secure it to the flush-mount box.

Apply silicone sealant along the top and both sides where the device meets the wall to ensure proper edge sealing.



Product Size:	140 × 300 × 37.8 mm
Flush Mounting Size:	140 × 300 × 60.3 mm
Mounting Hole Size:	128 × 290 × 40 mm

Flush Mounting with FMX07 & RH06（Optional）



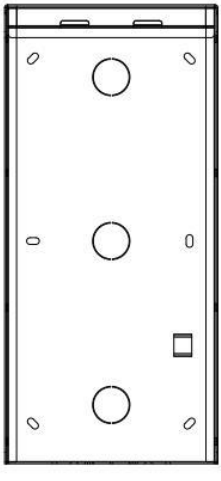
Product Size:	140 × 300 × 39.8 mm
Flush Mounting Product Size:	145 × 311.5 × 88 mm
Hole-Cutting Size:	134 × 296 × 46 mm

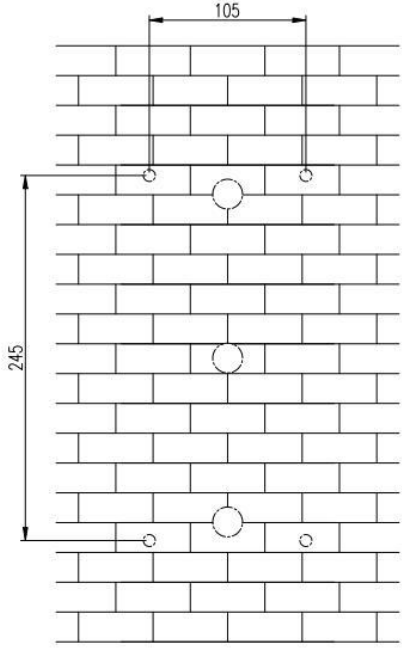
Surface Mounting with RH15 (Optional)

Silicone seal is required around the surface housing to waterproof the back (cables and connections)

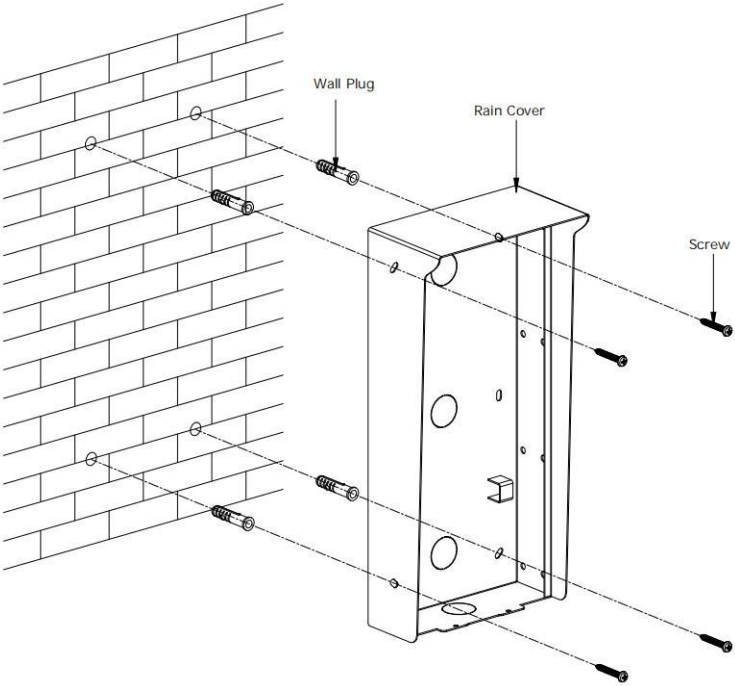
Step 1: Align one of the three knock-out holes on the rain cover with the cable outlet on the wall (choose the hole based on the installation height).

Mark the positions of the four mounting screw holes on the wall according to the upper and lower screw points of the rain cover.

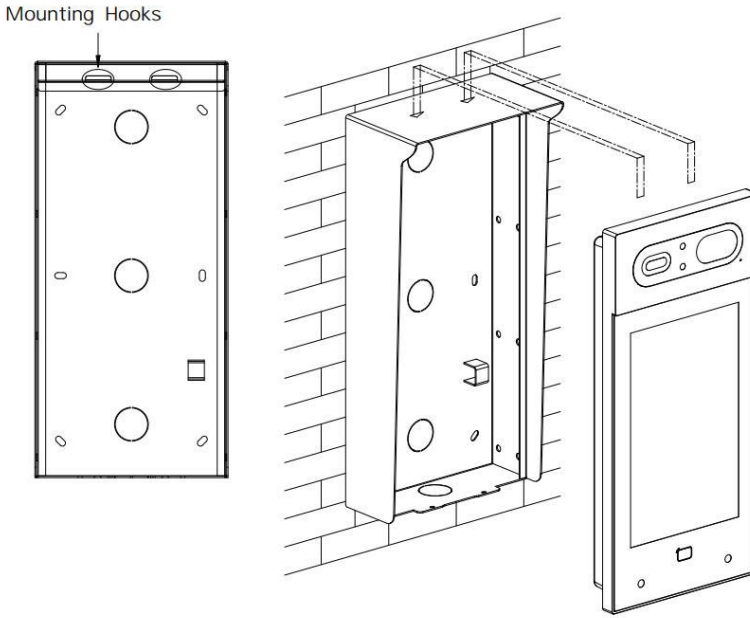




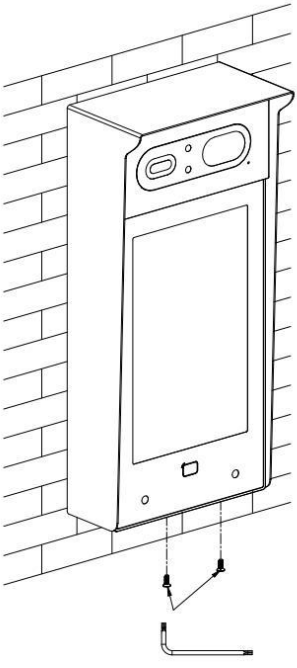
Step 2: Secure the rain cover to the wall using the screws and wall plugs.



Step 3: Align the two slots on the top of the device with the two hooks on the rain cover, then hang the device onto the hooks.



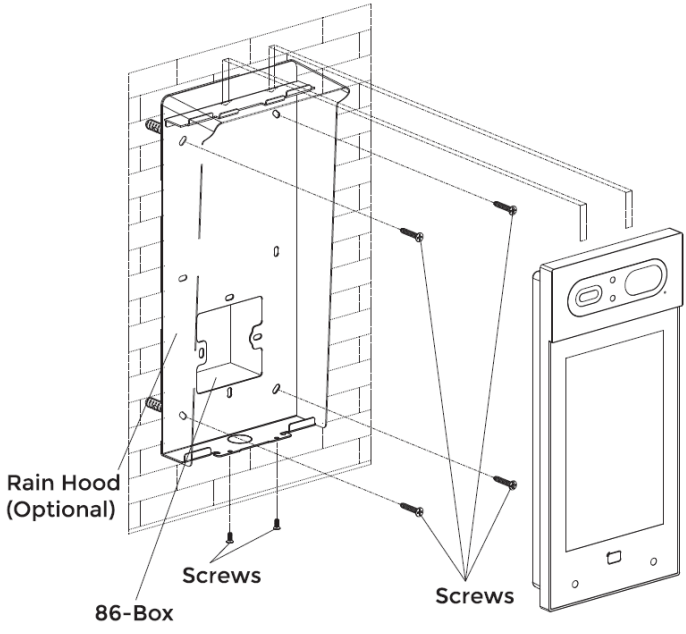
Step 4: Use the supplied hex screwdriver to tighten the two countersunk screws and secure the device to the rain cover.



Product Size:	140 × 300 × 37.8 mm
Sureface Mounting Size:	145 × 308.1 × 80.92 mm

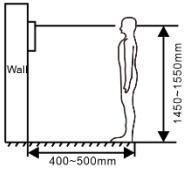
Surface Mounting with RH05 (Optional)

Silicone seal is required around the surface housing to waterproof theback(cablesand connections)



Product Size: 140 × 300 × 39.8 mm
Surface Mounting Product Size: 145 × 311 × 88 mm

Tips:



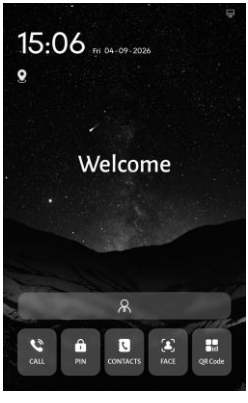
The camera should be 1450~1550mm above the ground. The camera at this height can capture human face perfectly.

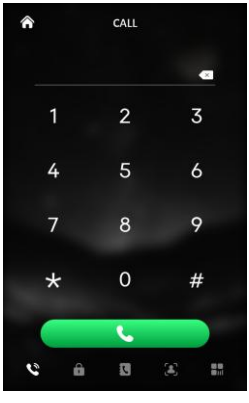
BASIC OPERATION

1. Call and Monitor

1.1. Call Indoor Monitor

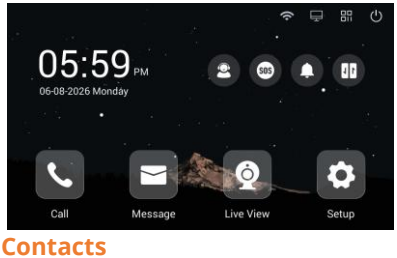
Press CALL, and press apartment number on Door Station to call Indoor Monitor. To end it, press the hang up icon on Door Station to end the call. If the call fails or Indoor Monitor is busy, Door Station will make a beep sound.

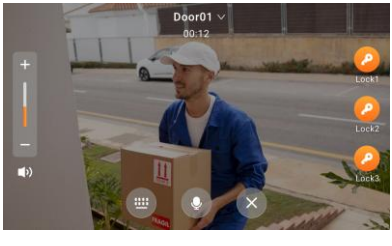




1.2. Monitor Door Station

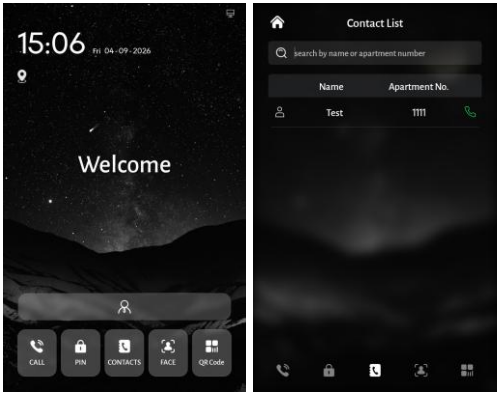
Press Monitor icon on Indoor Monitor's homepage to monitor Door Station.





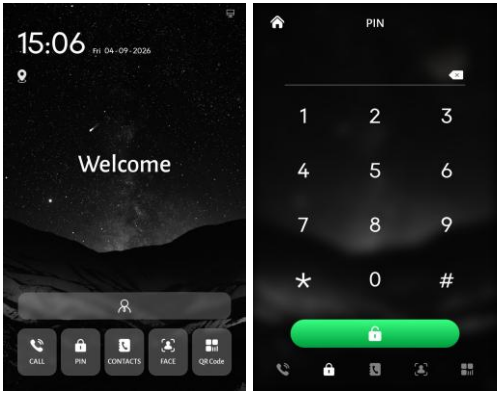
2. Contacts

Press CONTACTS to dial by selecting names from this list.



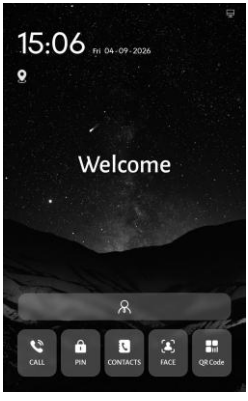
3. Unlock

Press PIN and press PIN Code and lock icon to unlock.



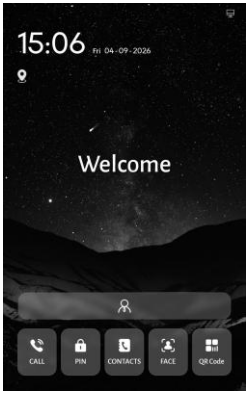
4. Concierge

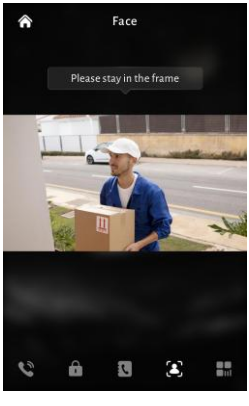
On homepage, press concierge button in the center to call Master Station.



5. Facial Recognition

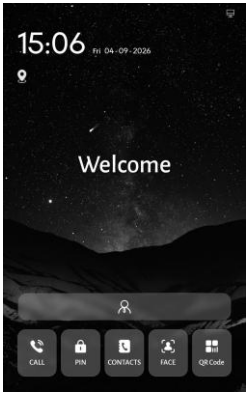
Press FACE to wake up face scan. Facial recognition should be enabled beforehand.

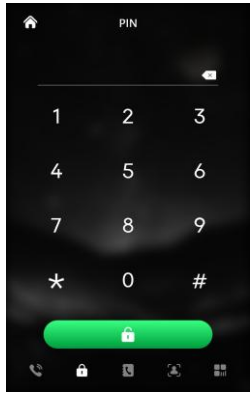


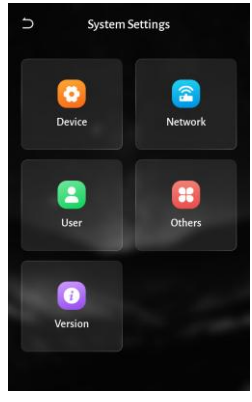


DEVICE SETTING

Connect Door Station to PoE switch. To enter admin page, press PIN and entering default password (123456#).



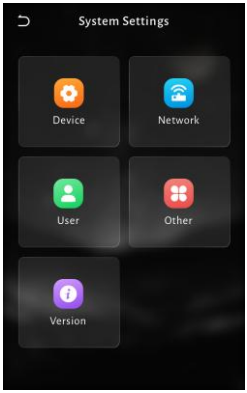


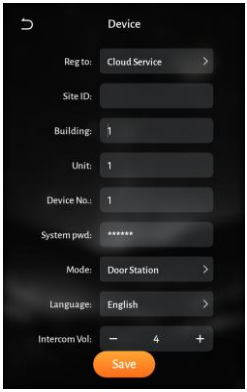


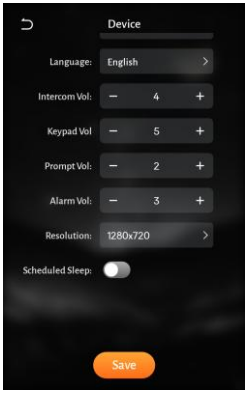
1. Device

Numbers here are basic settings for making a call to Indoor Monitor. For Door Station, the building and unit number should be the same as those in Indoor Monitor.

The Index number here is to distinguish different Door Stations when more than one Door Station in one building.





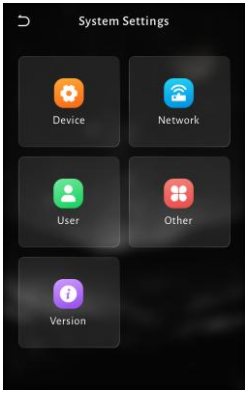


Option	Description
Reg to	Configure CMS or Cloud Platform device management server the device registers with
Site ID / CMS IP	When Cloud Platform Service is selected, enter the corresponding Site ID in this field. When CMS service is selected, enter the corresponding CMS IP in this field.
Building No:	Number of the building
Unit No:	Number of the unit
Device No:	Number of the Device
System PWD	Configure the device system password
Mode:	Mode for apt., Gate Station or Door Station (Unit and wall)
Language:	19 languages supported (简体中文, English, 繁體中文, עברית, Deutsch, Español, Türk, Tiếng Việt, Nederlands, Português, Polski, Русский, عربي, Français, Italiano, slovenský, українська, 日本語, فارسی);
Intercom Vol:	Volume of Intercom can be set from 0 to 6;
Keypad Vol:	Volume of Keypad can be set from 0 to 6;
Prompt Vol:	Volume of Prompt can be set from 0 to 6;
Alarm Vol:	Volume of Alarm can be set from 1 to 6;
Resolution:	4 resolutions supported (320 × 240, 640 × 480, 1280 × 720, 1920 × 1080);

Scheduled Sleep	Enable or diasable device scheduled sleep function,

2. Network

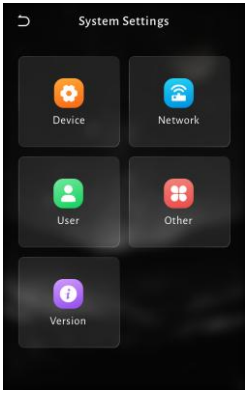
Network can be set to either DHCP or a static IP address.

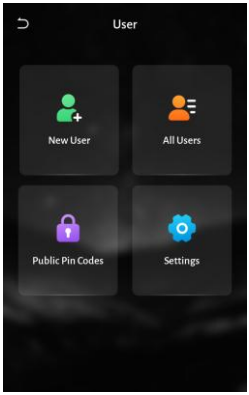


Option	Description
DHCP:	Enable DHCP (Dynamic Host Configuration Protocol) to dynamically distributing network configuration parameters;
IP:	Configure Static IP address to manually distributing network configuration parameters;
Mask:	Subnet mask;
Gateway:	A component that is part of two networks, which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

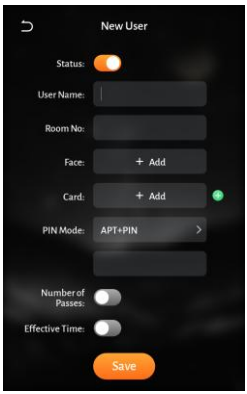
3. User

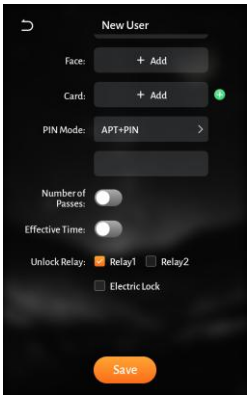
Users can be created and access settings can be configured here.





3.1. New User

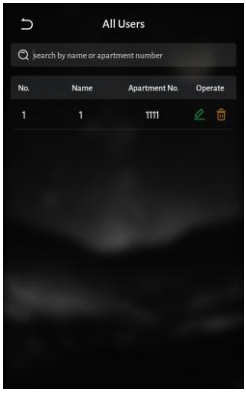




Option	Description
User Name	Add the name of new user;
Room No:	Add room information for a new user;
Face	Add face information for a new User.
Card	Add card information for a new User.
PIN Mode	Add PIN code information for a new user, with APT + PIN and Random PIN Code modes available.
Number of Passes	Configure the number of times the user is allowed to passes.
Effective Time	Configure the validity period for the user.

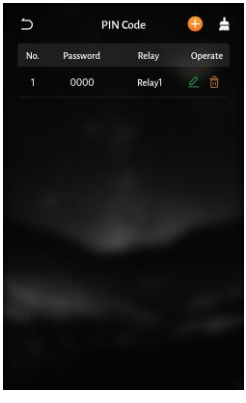
Unlock Relay	Select the relays that the new user is authorized to unlock.

3.2. All User



Option	Description
Edit:	Modify existing user information.
Delete:	Delete existing user information.

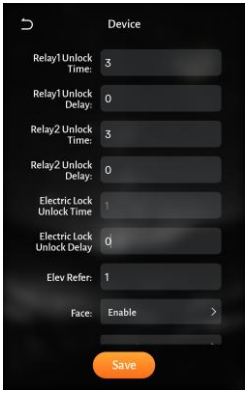
3.3. Public PIN Code

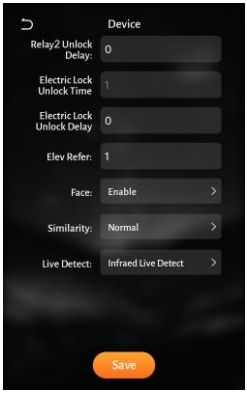


Option	Description
Add:	Add public PIN code;
Delete:	Delete public PIN code;

Delete All:	Delete all public PIN code;

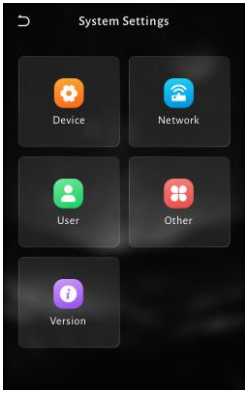
3.4. Settings

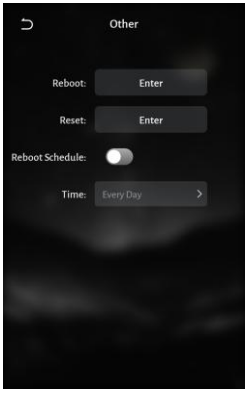




Option	Description
Relay X Unlock Time	The length of unlock delay time (1-9s);
Relay X Delay Time	The length of unlock delay time (0-9s);
Elev Refer:	The floor Door Station is installed at (Range: -9-99);
Face:	Enable or disable facial recognition function;
Similarity:	Sensitivity of facial similarity analyzer (Low, normal, high);
Live Detect:	Sensitivity of live detect to prevent picture fraud or video fraud (Close, normal, high);

4. Other

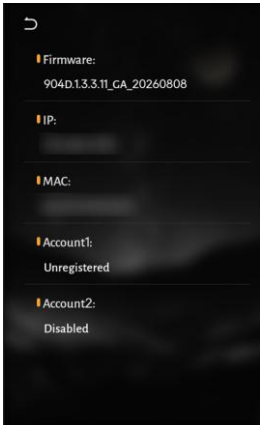




Option	Description
Reboot	Reboot the device;
Reset	Reset to factory settings;
Reboot Schedule	Enable or disable device schedule reboot function;
Time	Set the scheduled time for the device to reboot periodically.;

5. Version

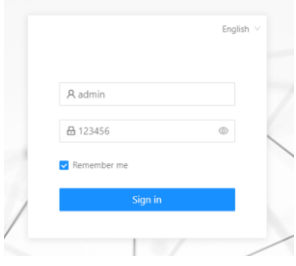
Basic information are displayed here including firmware version, current IP address, MAC address, SIP account 1 status and SIP account 2 status.



Option	Description
Firmware Version	Firmware version of the device;
IP	Current IP address of the device;
MAC	MAC address of the device;
SIP	Status of SIP registration of the device;
Account1	SIP Account;
Account2	SIP Account.

WEB SETTING

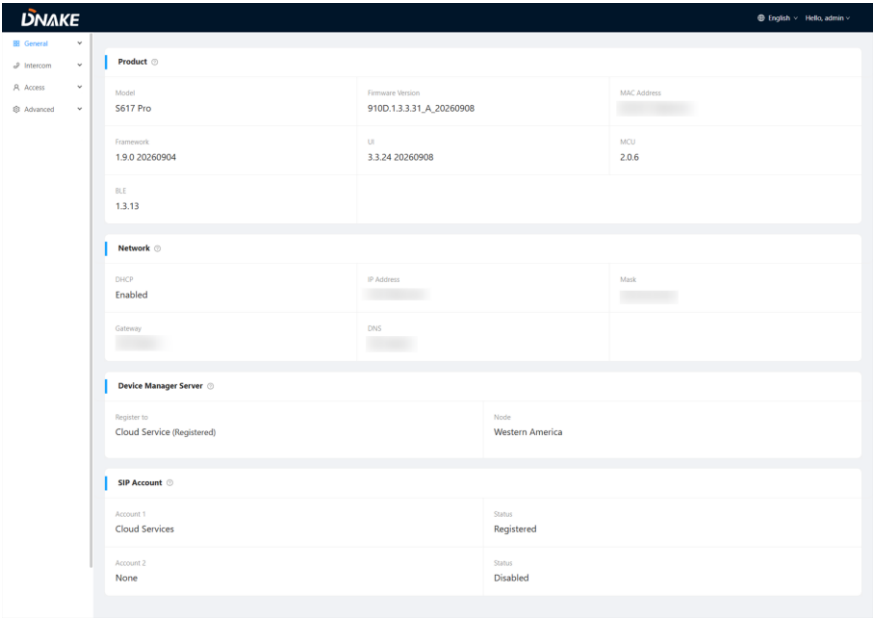
Connect device and PC to the same LAN. Device's IP address can be found on device's screen or obtained by DNAKE Remote Upgrade Tool. Enter the device's IP address in browser and log in with the default account (admin) and password (123456).



1. General

1.1. General > Imformation

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

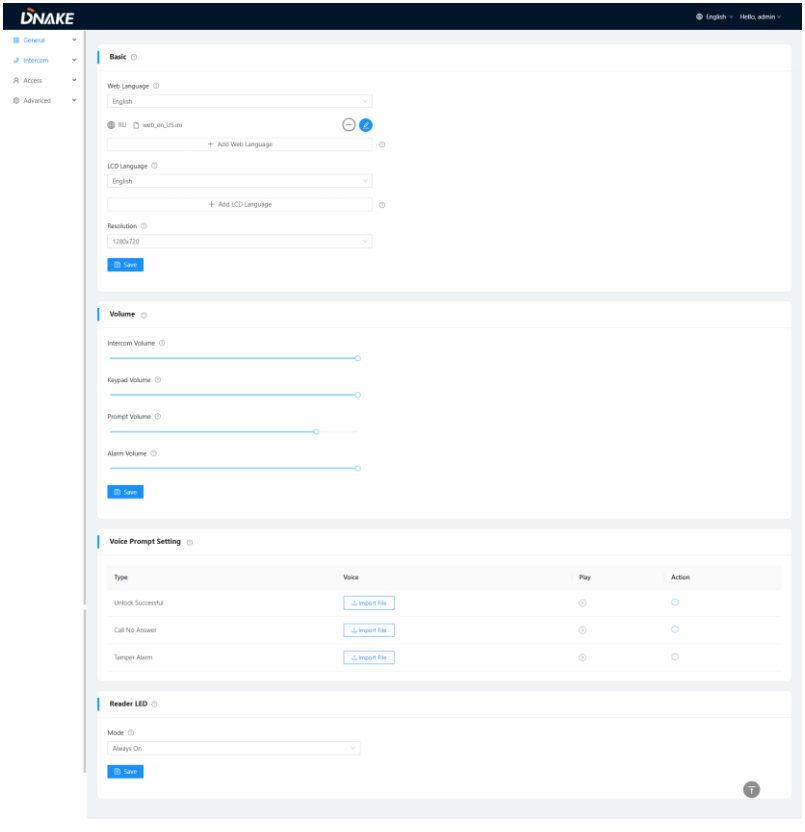


Category	Parameter	Description
Product	Model:	Model of the device;
	Firmware Version:	Firmware version of the device;
	MAC Address:	MAC address of the device;
	Framework:	Framework of the device;
	UI:	UI of the device;
	MCU:	MCU of the device;
	BLE	Bluetooth version of the device
Network	DHCP:	Status 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;
Device Manager Server	Register To	Displays the selected cloud service type and its current status.

	Node	Node information of the management server to which the device is connected
SIP Account	Account:	SIP account of the device;
	Status:	Status of SIP registration of the device;

1.2. General > Basic

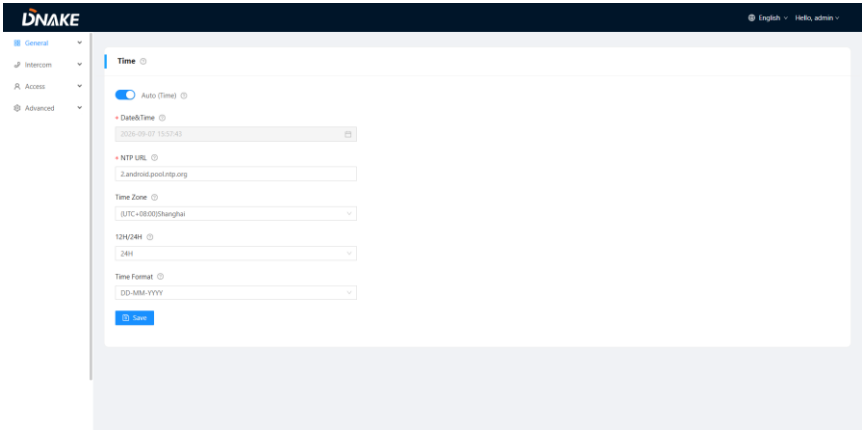
Language, resolution and volume of the device can be configured in this column.



Category	Parameter	Description
Basic	Web Language:	Configure the language displayed on the web interface. 8 languages supported;
	LCD Language	Configure the language displayed on the device interface. 19 languages supported;
	Resolution:	4 resolutions supported (320 × 240, 640 × 480, 1280 × 720 and 1920 × 1080);
Volume	Intercom:	Volume of Intercom can be set from 0 to 6;
	Keypad Volume:	Volume of Keypad can be set from 0 to 6;
	Prompt Volume:	Volume of Prompt can be set from 0 to 6;
	Alarm Volume:	Volume of Alarm can be set from 1 to 6;
Voice Prompt Setting	Type:	The Voice Prompt trigger type, supports custom audio prompts for specific events, including Unlock Successful, Unlock Failed, Calling, Call No Answer, Tamper Alarm, and other supported event types;
	Voice:	Click Import File to upload a voice prompt file;
	Play:	Click Play to preview the voice prompt;

1.3. General > Time

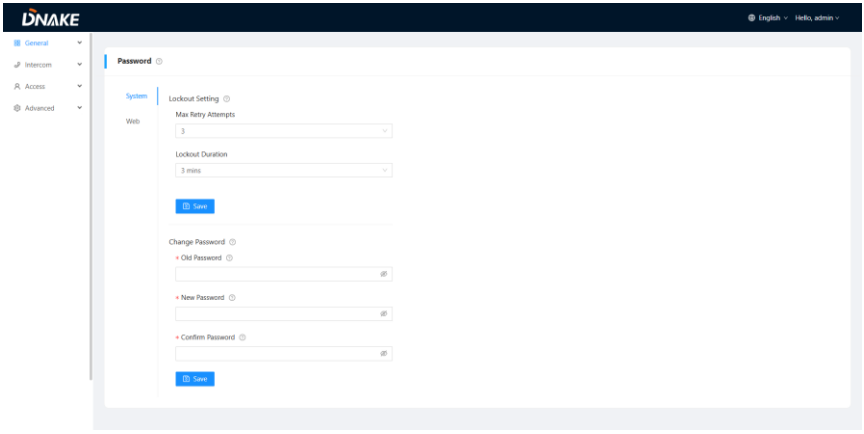
Time of the device can be configured.

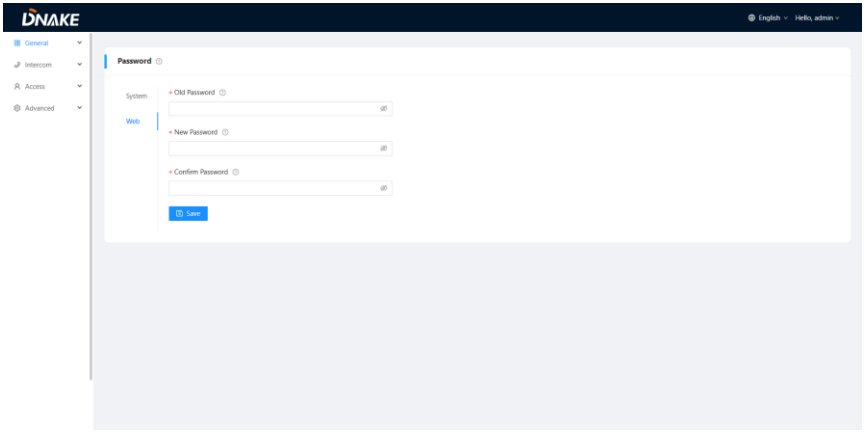


Category	Parameter	Description
Time	Auto (Time):	Enable to synchronize computer time;
	Date & Time:	Date and time can be set manually;
	NTP URL:	Network Time Protocol (NTP) is a protocol used to synchronize computer time;
	Time Zone:	A region that observes a uniform standard time;
	12H/24H:	Select 12H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

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.



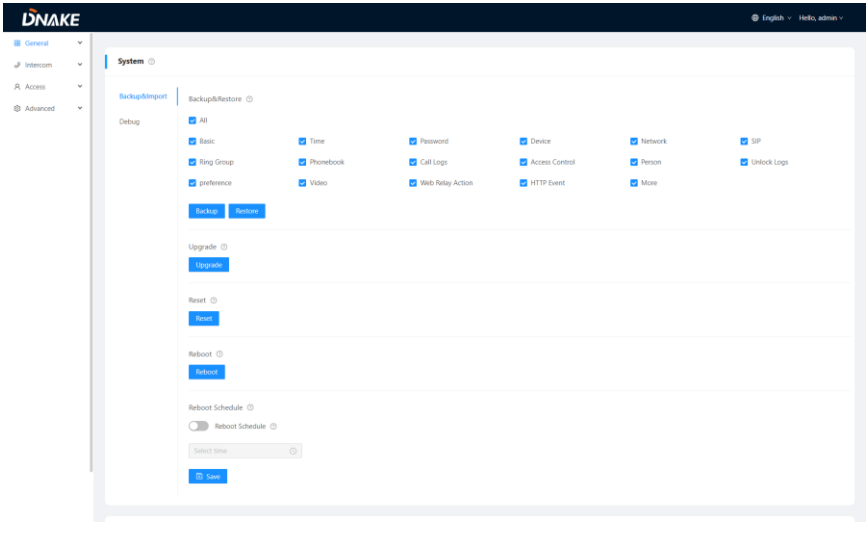


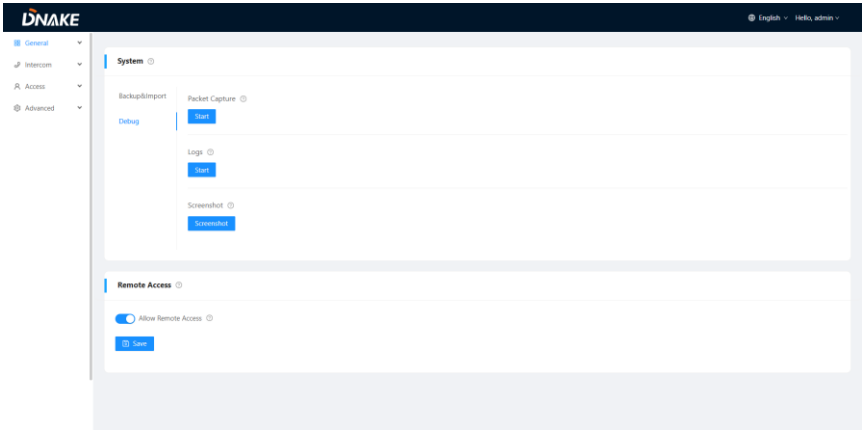
Category	Parameter	Description
System	Max Retry Attempts	Configure whether to lock the account after multiple incorrect entries of the device admin password and to set the lock duration.
	Lockout Duration	Configure the time of device lock duration

	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;
Web	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.





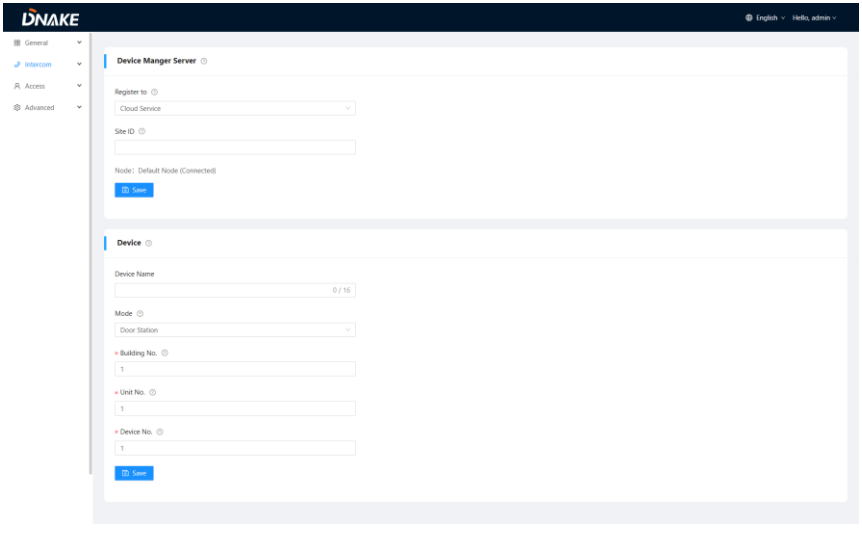
Category	Parameter	Description
Backup & Import	Backup & Restore:	Backup all setting and restore settings;
	Upgrade:	Upgrade equipment;
	Reset:	Reset to factory settings;
	Reboot:	Reboot the device;
	Reboot Schedule	Enable or disable device schedule reboot function;
	Time	Set the scheduled time for the device to reboot periodically.;
Debug	Packet Capture:	Capturing packets can help developers reproduce positioning problems;
	Logs:	Device logs;
	Screenshot:	Screenshot device interface;
Remote Access	Allow Remote Access	Enable or disable remote access device web page function.

2. Intercom

2.1. Intercom > Device

Numbers here are basic settings for making a call to Indoor Monitor. For Door Station, the building and unit number should be the same as those in Indoor Monitor. For Villa Station with one button, the building, unit, and room number should be the same as those in Indoor Monitor.

The device number here is to distinguish different Door Stations when more than one Door Station is in one building.

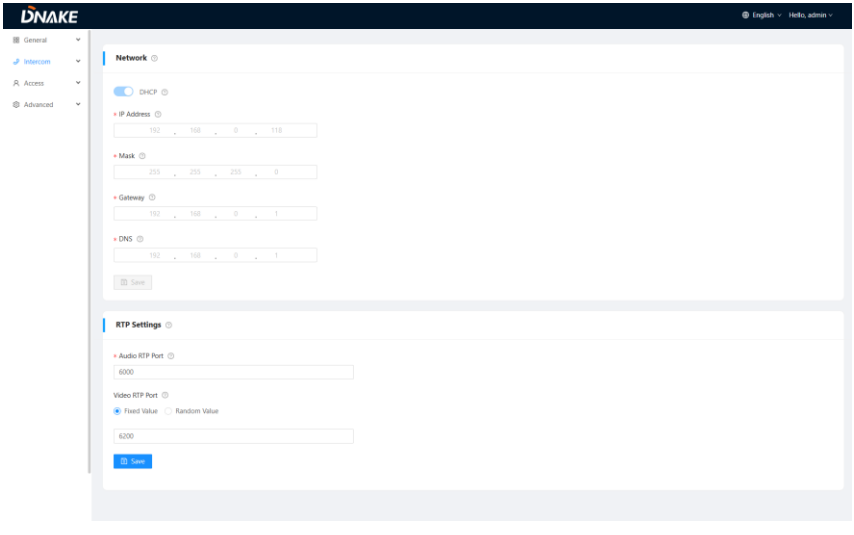


Category	Parameter	Description
Device Manager Server	Reg to	Configure CMS or Cloud Platform device management server the device registers with
	Site ID / CMS IP	When Cloud Platform Service is selected, enter the corresponding Site ID in this field. When CMS service is selected, enter the corresponding CMS IP in this field.

	Node	When the Cloud Platform Service is enabled, the Node field displays the cloud platform node to which the device is currently connected, along with its connection status.
Device	Device Name:	Name of the Device
	Device Mode:	Mode for apt. and wall (Unit and wall);
	Building No:	Number of the building;
	Unit No:	Number of the unit;
	Device No:	Number of the device;

2.2. Intercom > Network

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

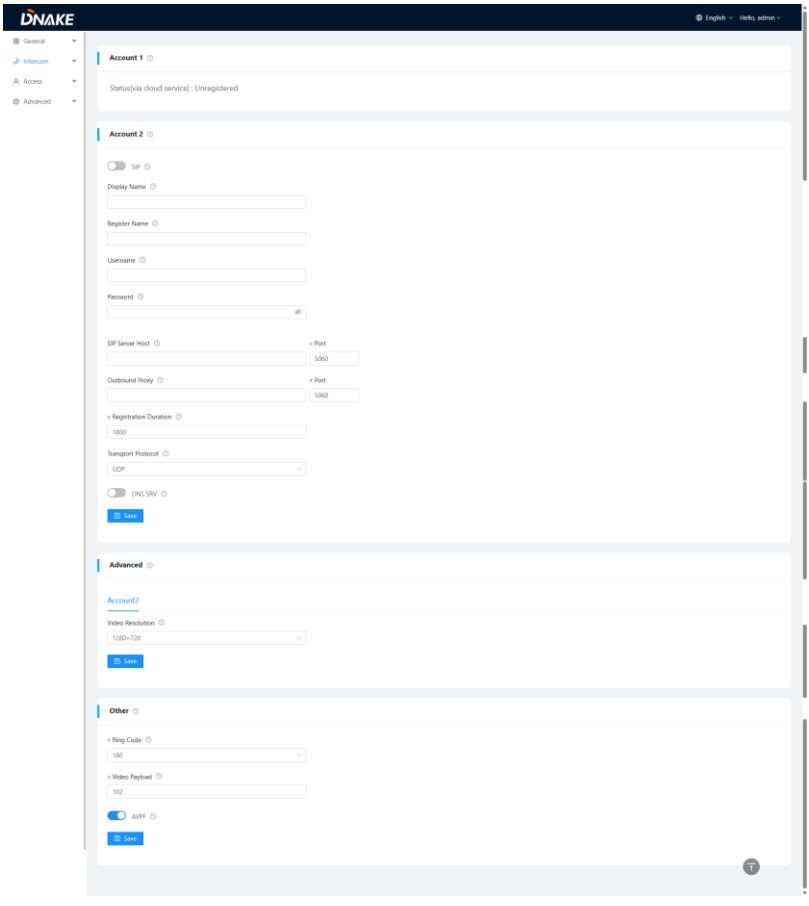


Category	Parameter	Description
Network	DHCP:	Enable DHCP (Dynamic Host Configuration Protocol) to

		dynamically distribute network configuration parameters;
	IP Address:	Configure Static IP address to manually distribute 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;
RTP Settings	Audio RTP Port	Configure the audio RTP port of device
	Video RTP Port	Configure the video RTP port of device

2.3. Intercom > SIP

The SIP column concerns SIP registration, Display Name, Register Name, Username, Password, SIP Server Host, Outbound Proxy, Transfer Protocol, Video Payload, etc.

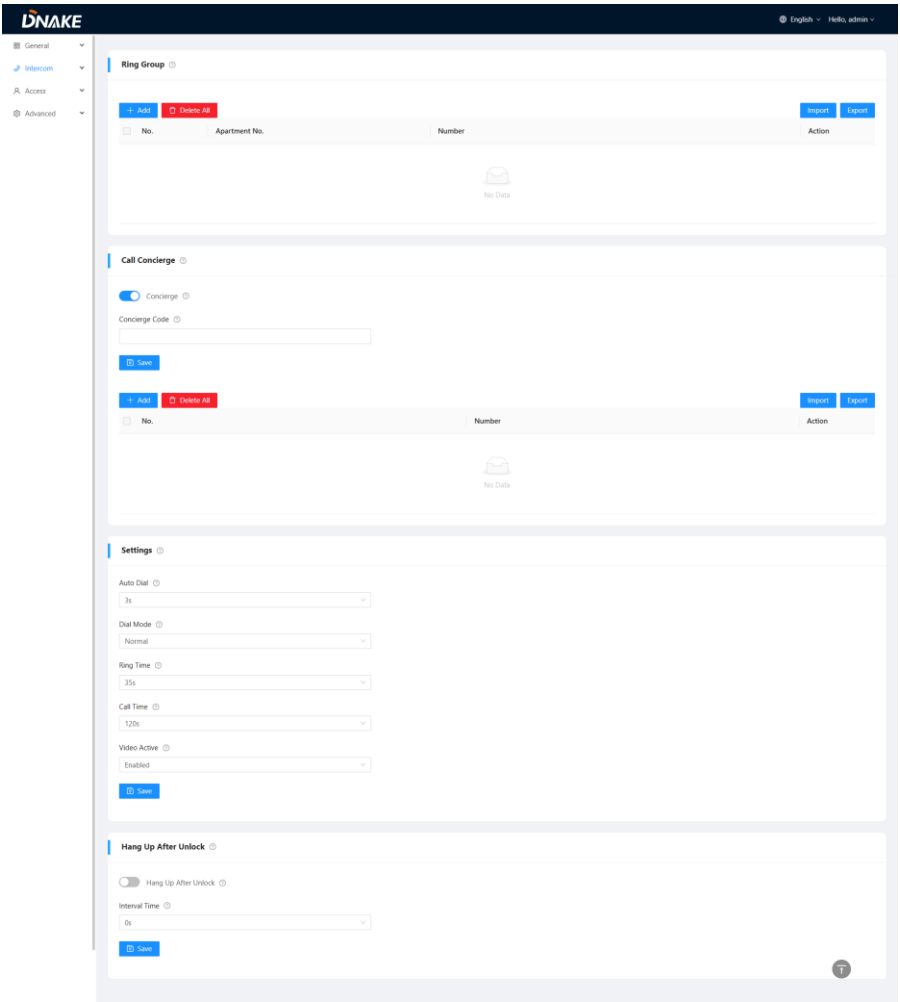


Category	Parameter	Description
SIP	SIP:	Enable to use SIP;
	Display Name:	Display name of SIP;
	Register Name	Configure the register name when the device registers with the SIP server
	Username:	Username of SIP;
	Password:	Password of SIP;

	SIP Server Host:	Configure the server address and port number when the device registers with the SIP server.;
	Outbound Proxy:	Configure the outbound address and port number when the device registers with the SIP server.
	Registration Duration:	Configure the registration duration when the device registers with the SIP server.
	Transport Protocol:	Configure the message transmission protocol when the device registers with the SIP server.
	DNS SRV	Configure whether to enable the DNS SRV function when the device registers with the SIP server.
Advanced	Video Resolution	Configure the resolutions for SIP 1 and SIP 2. The configured resolution is applied to calls made using the corresponding SIP account.
Other	Ring Code	Configure the ring code of the device
	Video Payload	Configure the video payload for device calls. This configuration is effective for both SIP communication and local calls.

2.4. Intercom > Ring Group

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



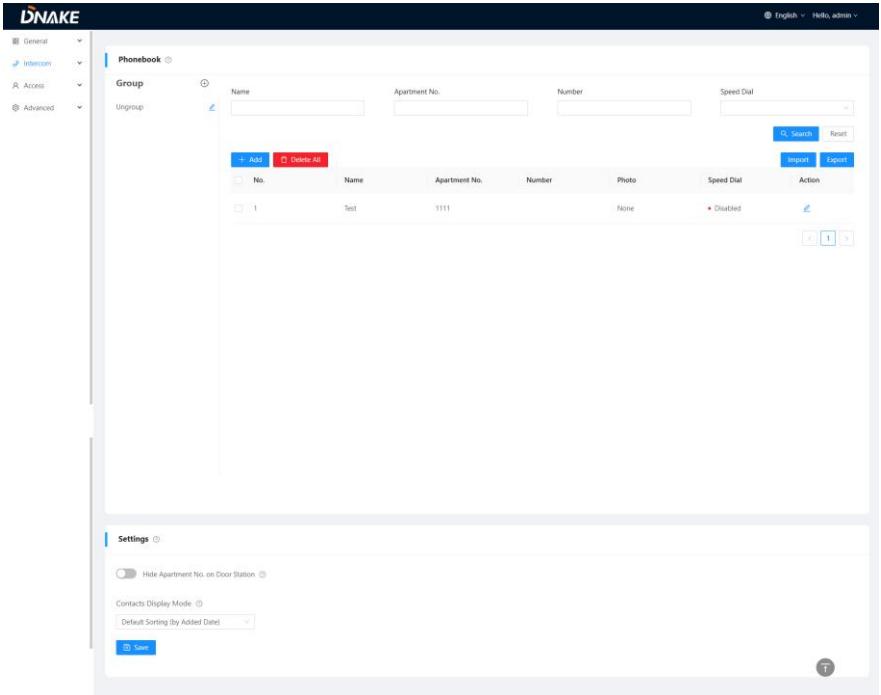
Category	Parameter	Description
Ring Group	Ring Group:	Configure the ring group function of the device. When the device calls the APT No., it will trigger the call to the number in the ring group. It can

		configure up to 1000 ring group numbers
Call Concierge	Concierge:	Configure the device to enable the concierge function. If Disable, the concierge icon on the device LCD will not be visible, and the concierge button on the keyboard (if any) will not respond when pressed.
	Concierge Code:	Configure the number that the device calls the concierge. If configured, the enter number will be displayed on the LCD.
Settings	Auto Dial	Configure the time (second) after which the device automatically make a call after you stop enter digits
	Dial Mode	Configure whether to call the SIP number again if the other party is not connected. Single: If the called party is not connected, hang up the call Repeat: If the called party is not connected, call again, repeat three times
	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);
	Video Active	It configures the video call feature for the device，If you disable, it will be make a audio call.
Hang Up After Unlock	Hang Up After Unlock	Configure whether the device automatically ends the call after unlocking.

	Interval Time	Configure the time (second) when the device automatically ends the call after unlocking.

2.5. Intercom > Phonebook

All contacts on Door Station can be edited here.

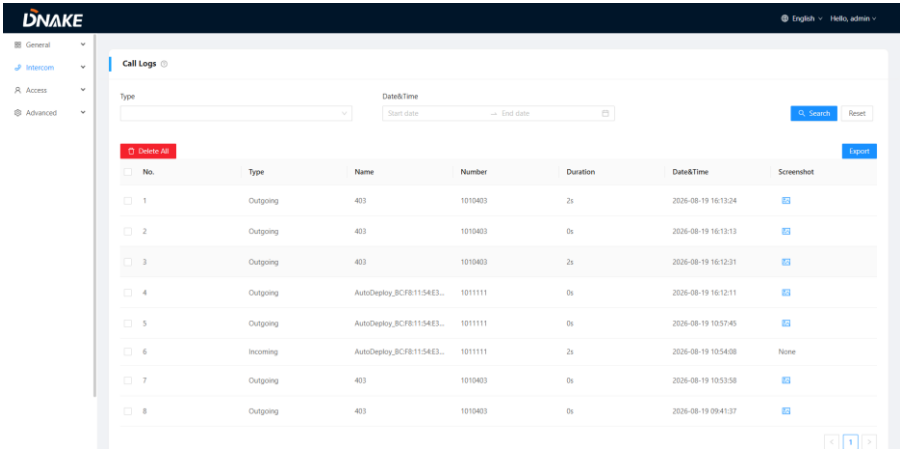


Category	Parameter	Description
Phonebook	Search:	Fill in text inputs to search;
	Reset:	Click reset to clear words in text inputs;
	Delete All:	Delete all data on the chart;
	Import:	Import all data to the chart;
	Export:	Export all data on the chart;

Settings	Hide Apartment No. on Door station	Enable or disable the apartment numbers are hidden in the contact list displayed on the device's LCD Screen.
	Contacts Display Mode	Configure the display mode of the contacts list on the device's LCD screen. Select the display mode from Default Sorting (by Added Date), Grouped View, or Sort Alphabetically.

2.6. Intercom > Call Logs

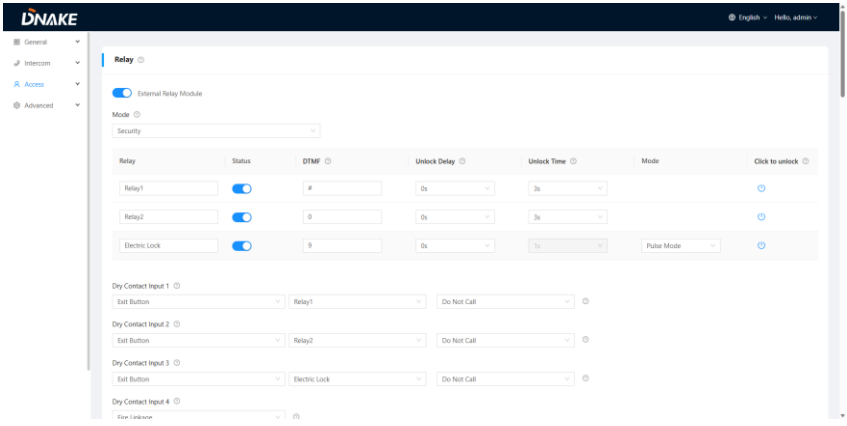
On this page, you can view all Call Logs stored on the device. You can filter the records by call type and time, or delete all call logs with a single tap.



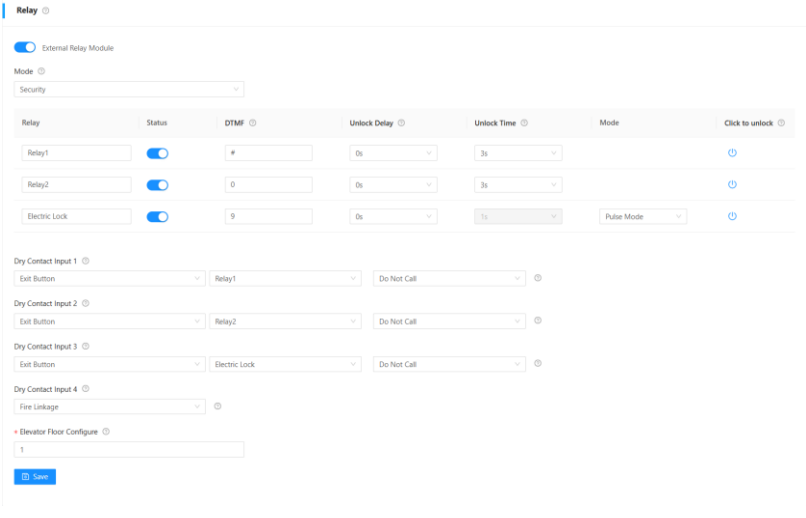
3. Access

3.1. Access > Access Control

Relays, access cards, PIN code can be configured here.



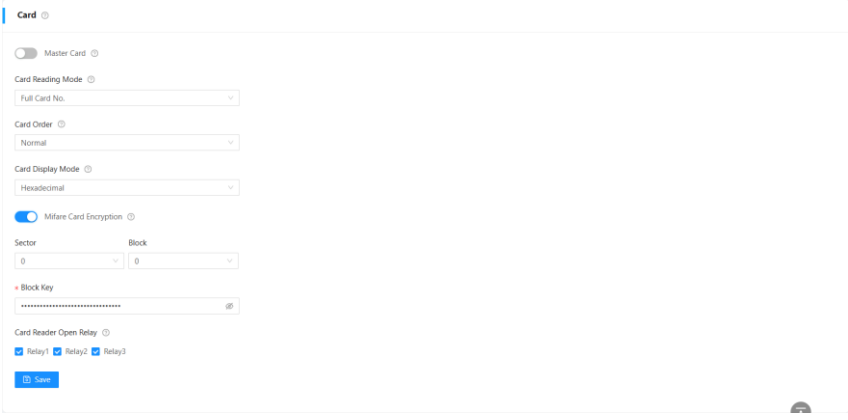
3.1.1. Access Control > Relay



Category	Parameter	Description
Relay	External Relay Module	Enable or disable the external unlock module.
		When disabled, the Mode configuration is hidden

		when enabled, the Mode configuration is displayed. The default setting is enabled.
	Mode	Select the mode for the unlock module connected via RS485: Security Mode or Extension Mode.
		Security: The External Relay Module and the device are controlled synchronously.
		Expand: Both the relay of the device and relay module can be controlled individually.
	Relay:	Relays supported;
	Status	Enable or disable the corresponding relay.
	DTMF:	Dual-tone multi-frequency signaling (Relay1: #, Relay2:0, relay3: *);
	Unlock Delay:	The length of unlock delay time (0-9s);
	Unlock Time:	The length of unlock time (1-9s);
	Mode	Configure the electronic lock operating mode. Pulse Mode (default) and Holding Mode are available.
	Dry Contact Input 1-4	Configure the trigger action after the Dry Contact Input input signal. 3 modes of dry contact inputs are supported (Exit Button, Door Sensor, Fire Linkage);
	Elevator Floor Configure:	The floor Door Station is installed at (Range: -9-99);

3.1.2. Access Control > Card

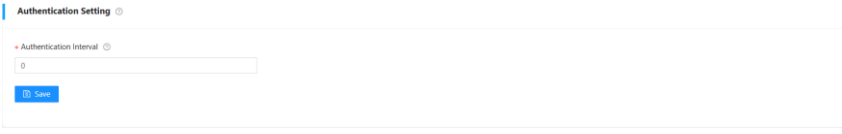


Category	Parameter	Description
Card	Master Card:	Click read to add Master card to manage cards;
	Card Reading Mode	Configure the mode of the device to read the access card
		Compatible mode: The last 3 bytes of card would be read in Compatible Mode. MIFARE Card Encryption is unavailable in this mode.
		Full Card No. mode: In Full Card Mode, the card reading order and card display mode can be configured, and MIFARE Card Encryption can be enabled.
	Card Order	Configure the order in which the device reads all the card numbers in the access card. Normal Mode and Reversed Mode can be select.
	Card Display Mode	Configure the display style after the device reads all the card numbers in the access card,

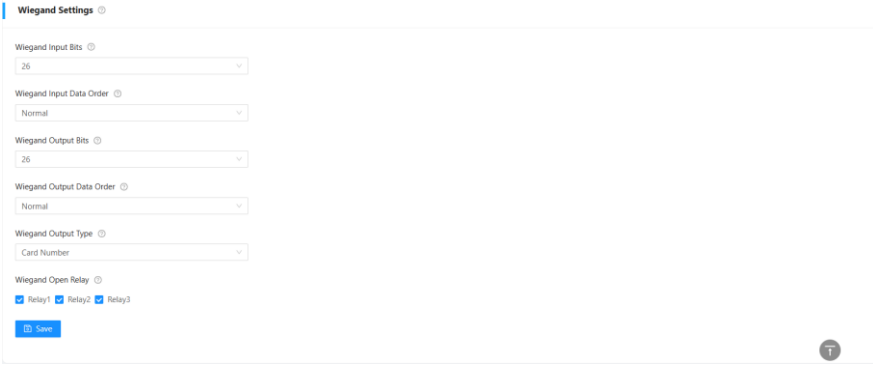
		Hexadecimal and Decimal can be select.
	MIFARE Card Encryption	Mifare can be encrypted. Sector (0-15), Block (0-3) and Block Key(6-16bytes) should be filled in according to Mifare card. And relays should be chosen for registered card to unlock.

3.1.3. Access Control > Authenication Setting

Used to configure the access control authentication time interval, allowing each user to successfully unlock only once within the set time period.



3.1.4. Access Control > Wiegand Setting

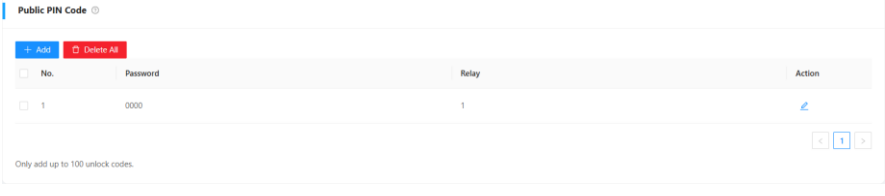


Category	Parameter	Description
Wiegand Settings	Wiegand Input Bits:	Configure the bits of the value obtained by the device's Wiegand port from an external card reader, 26/34/58 bits can be set;

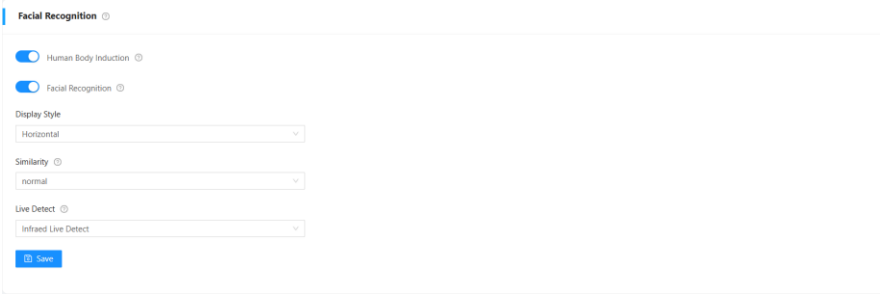
	Wiegand Input Data Order:	Configure the input sequence of the data obtained by the door station from the external card reader;
	Wiegand Output Bits:	Configure the bits of the value sent by the device's Wiegand interface to the external device, 26/34/58 bits can be set;
	Wiegand Output Data Order	Configure the sequence of data that the door station sends to external devices
	Wiegand Output Type	Configure the data type of the Wiegand output.
	Wiegand Open Relay	Configure the relay that opens after the access card is read by external Wiegand

3.1.5. Access Control > Public PIN Code

Configure the public PIN code of the device. You can unlock the corresponding relay by using this PIN



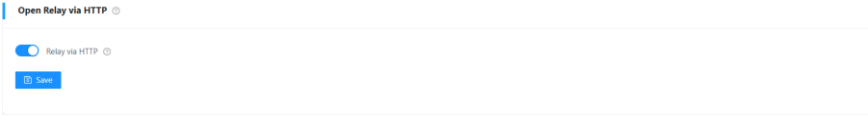
3.1.6. Access Control > Facial Recognition



Category	Parameter	Description
Facial Recognition	Human Body Induction	Once you approach to Door Station, face scan will be enabled automatically;
	Facial Recognition	Enable to use face recognition;
	Display Style	Configure the display orientation of the face recognition screen.
	Similarity	Sensitivity of facial similarity analyzer (Low, normal, high);
	Live Detect	Sensitivity of live detect to prevent picture fraud or video fraud;

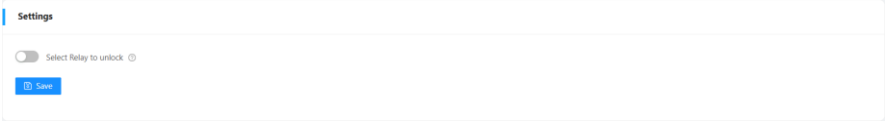
3.1.7. Access Control > Open Relay via HTTP

Configure whether third-party devices can use http to unlock. If enabled, third parties can use http commands to unlock.



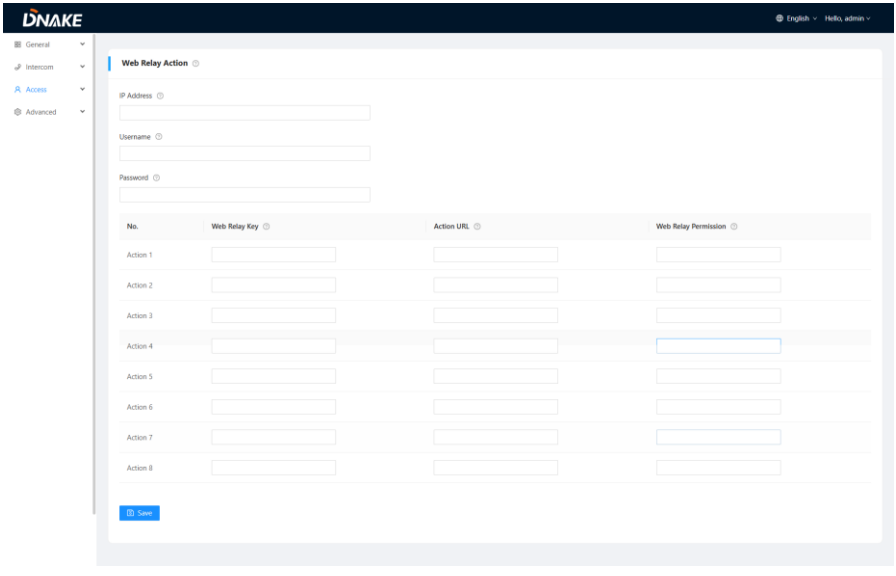
3.1.8. Access Control > Settings

Enable or disable select relay to unlock function. when enabling the function, when unlocking via PIN code, Card or Facial Recognition, the device will display a relay selection list for you to choose which door to open.



3.2. Access > Web Relay Action

Configure the parameters for triggering web relay

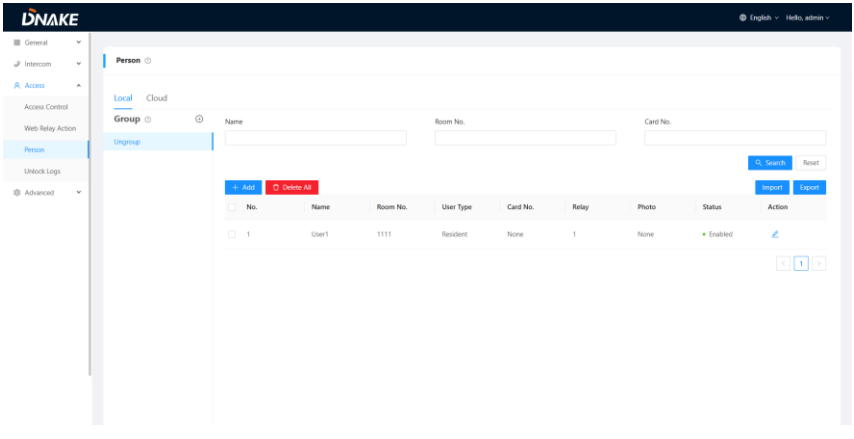


Category	Parameter	Description
Web Relay Action	IP Address:	The IP address of the web relay action;
	Username:	The username used by web relay for authentication
	Password:	The password used by web relay for authentication;
	Web Relay Key:	Configure the DTMF key that triggers the web relay action. When the device receives the DTMF value from the other end during a call, it can

		trigger the web relay to perform the configured action.;
	Action URL:	Configure the operation to be performed after receiving the web relay, usually an http command, for example, http://username:password@IP/state.xml?relayState=2
	Web Relay Permission	Configure the legal devices that are allowed to trigger the web relay. If it is empty, all terminals that talk to the device can trigger it. If the IP or SIP account of a specified device (xxx.xxx.xxx.xxx or xxx@xxx) is configured, can only be triggered by the specified device

3.3. Access > Person

Person column is for access authorization.

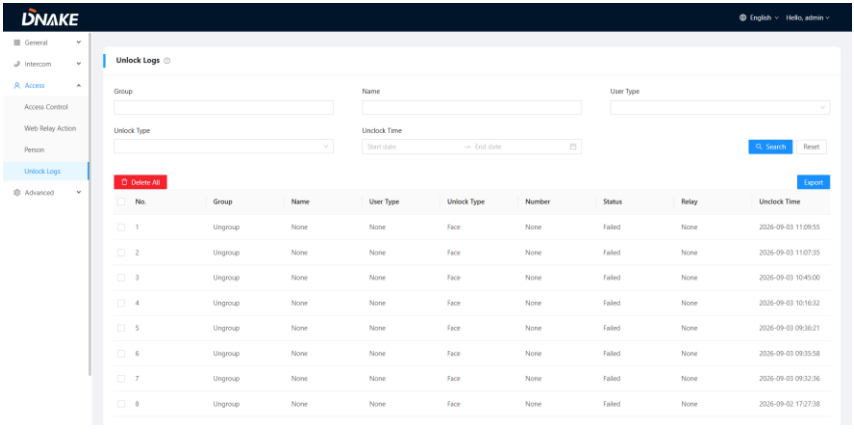


Category	Parameter	Description
Person	Search:	Fill in text inputs to search;

	Reset:	Click reset to clear words in text inputs;
	Add:	Add users to Door Station;
	Delete All:	Delete all data on the chart;
	Export:	Export all data on the chart;

3.4. Access > Unlock Logs

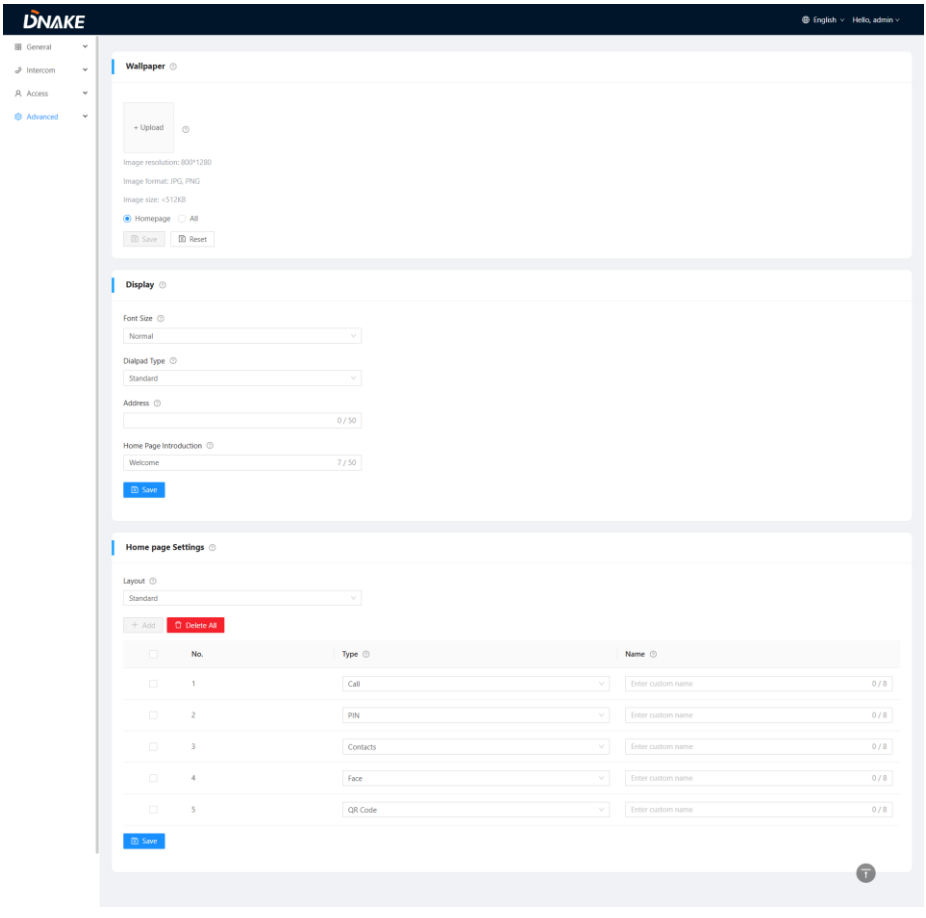
View the unlock logs of the device



Category	Parameter	Description
Unlock Logs	Search:	Fill in text inputs to search;
	Reset:	Click reset to clear words in text inputs;
	Add:	Add users to Door Station;
	Delete All:	Delete all data on the chart;
	Export:	Export all data on the chart;

4. Advanced

4.1. Advanced > Preferences



Category	Parameter	Description
Wallpaper	Wallpaper	Upload the wallpaper. When you click Reset, the uploaded wallpaper will be deleted, and it will be restored to the factory preset wallpaper;
Display	Font Size	Configure the font size of the device LCD screen;

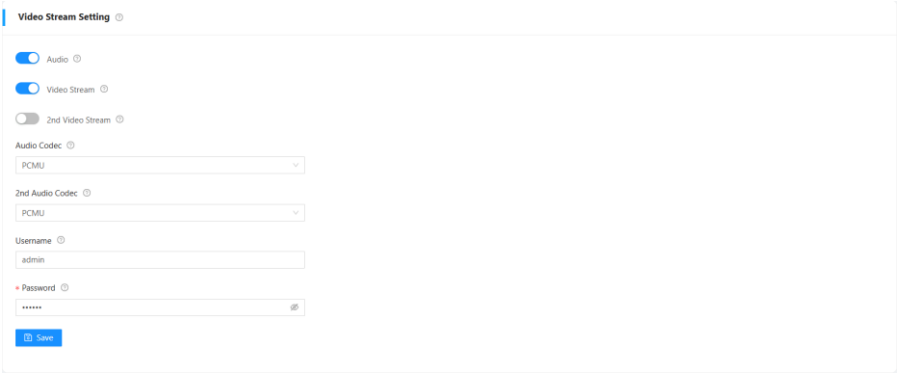
	Dialpad Type	Configure the dialing keypad style of the device
	Address	Configure the address information displayed on the device home page.
	Home Page Introduction	Configure the home page introduction of the device, such as welcome messages, announcements and other personalized text information
Home Page Settings	Layout	Configure the layout mode of the device's home page
	Type	Configure the functional icons that need to be displayed on the device's home page
	Name	Display the contact's name

4.2. Advanced > Video

Configure the device's Video and Video Stream settings.

4.2.1. Video > Video Stream Setting

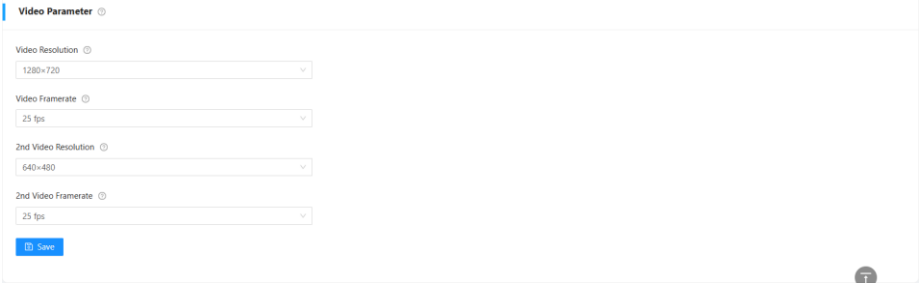
Configure the parameters when the device is used as a video surveillance



Category	Parameter	Description

Video Stream Settings	Audio	Enable or disable device to transmit audio when device video surveillance feature is enabled;
	Video Stream	Enable or disable video surveillance feature;
	2nd Video Stream	Enable or disable device second video surveillance feature;
	Audio Codec	Configure the audio encoding type (codec) for the main audio stream of the device.
	2nd Audio Codec	Configure the audio encoding type (codec) for the second audio stream of the device.
	Username	configure the username for authentication when the device is used as video surveillance
	Password	Configure the password for authentication when the device is used as video surveillance

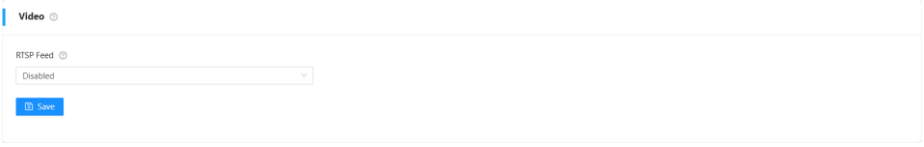
4.2.2. Video > Video Parameter



Category	Parameter	Description
Video Parameter	Video Resolution	Configure the resolution of the main video stream of the device.
	Video Framerate	Configure the frame rate of the main video stream of the device.

	2nd Video Resolution	Configure the resolution of the second video stream of the device.
	2nd Video Framerate	Configure the frame rate of the second video stream of the device.

4.2.3. Video > RTSP LED



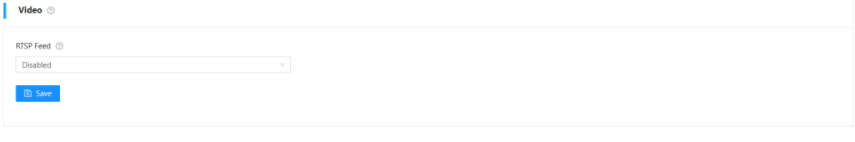
Category	Parameter	Description
RTSP LED	RTSP LED	Configure the LED settings when the device is used as a video surveillance device.
	Auto	Turns on and off according to changes in ambient light
	Always Off	The LED is always off

4.2.4. Video > Video

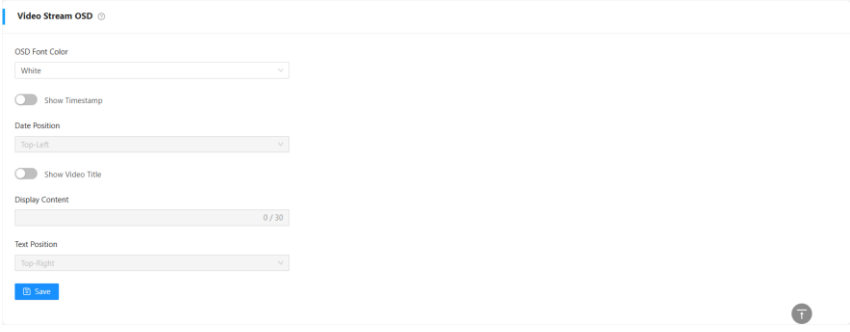
Configure the device's RTSP Feed settings. If configured, you need to fill in the URL

Real-time video from IP cameras can be obtained by filling in its URL (RTSP).

On the talking interface of Indoor Monitor, you can click the little keyboard icon to switch to IP cameras' video. (No.1 on the keyboard stands for Door Station while No.2 to No.5 stands for IP camera)



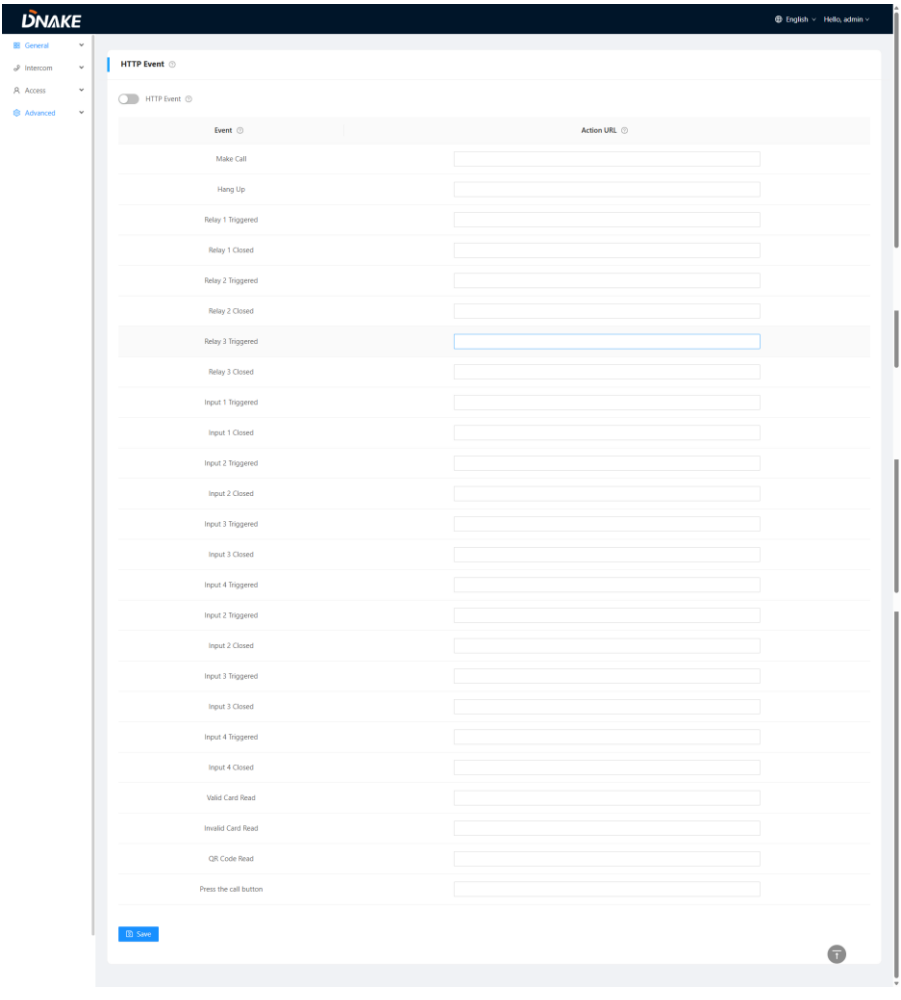
4.2.5. Video > Video Stream OSD



Category	Parameter	Description
Video Stream OSD	OSD Font Color	Configure the OSD Font Color by selecting either White or Black.
	Show Timestamp	Enable or disable the timestamp in the video OSD
	Date Position	Configure the position of the date in the video OSD
	Show Video Title	Enable or disable the video title of the video OSD
	Display Content	Enter the content showing in the video OSD
	Text Position	Configure the position of the text content in the video OSD

4.3. Advanced > HTTP Event

Configure the actions triggered by the user when operating the device

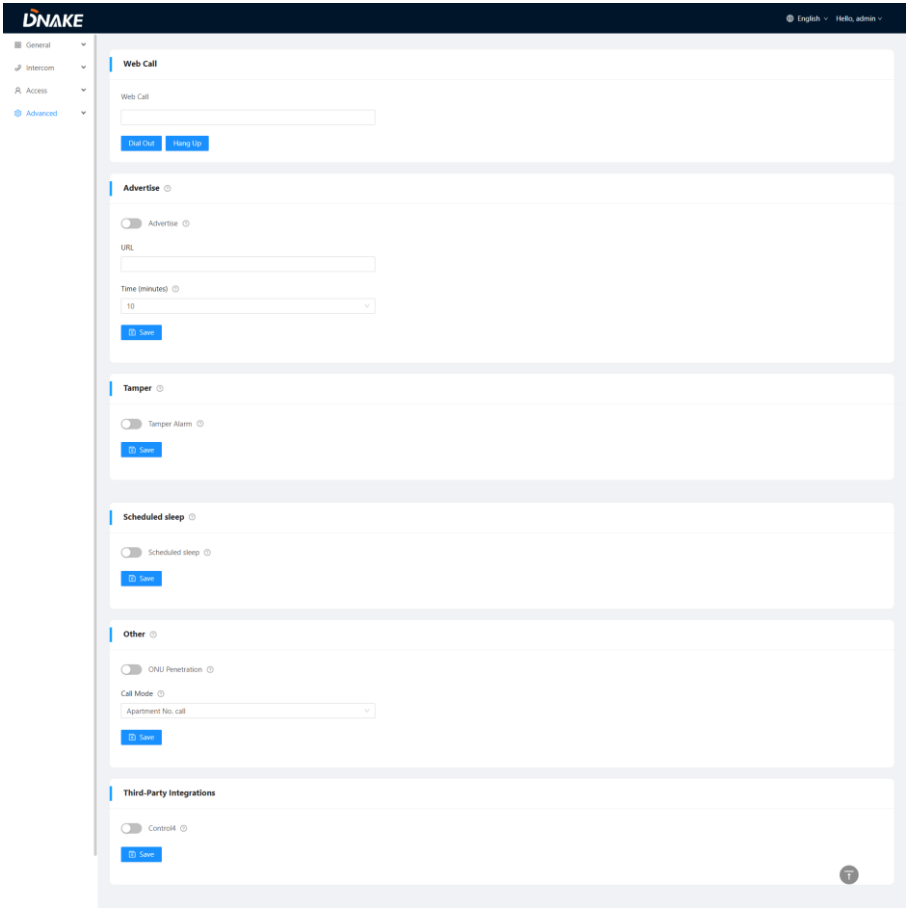


Category	Parameter	Description
HTTP Event	HTTP Event	Enable or disable HTTP Event feature
	Event:	Display operations that support triggering actions;

Action URL:	configure the triggered action, usually an http command, for example, http://username:password@IP/state.xml?action=unlock;

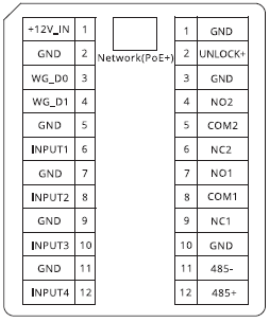
4.4. Advanced > More

More column is for Tamper Alarm and ONU Penetration.



Category	Parameter	Description
Web Call	Web Call	Initiate a door station call from the web. This function is primarily intended for testing purposes.
Advertise	Advertise:	Enable to advertise on the screen saver of the device;
	URL:	Advertise URL;
	Time (minutes):	The time length of advertise display (10mins, 20mins, 30mins);
Tamper	Tamper Alarm:	Enable to use Tamper alarm;
Scheduled Sleep	Scheduled Sleep	It is used to configure whether the device has scheduled sleep function enabled. If enabled, you can configure the start, end, and day of the week within the effective time.
Other	ONU Penetration:	Enable to prevent ONU from banning multicast;
	Call Mode	It is used to configure the call mode corresponding to the number entered on the device dial pad.
Third-Party Integrations	Control4	Configure the connection to Control4 for intercom calls, remote door unlock, and live audio monitoring.

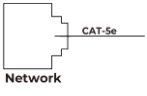
DEVICE WIRING



1. Network (PoE+)

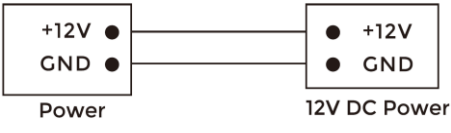
Standard RJ45 interface is for the connection with PoE+ switch or other network switch.

PSE of power supply equipment shall comply with IEEE 802.3at (PoE+), with output power not less than 30W and output voltage not less than SOV.



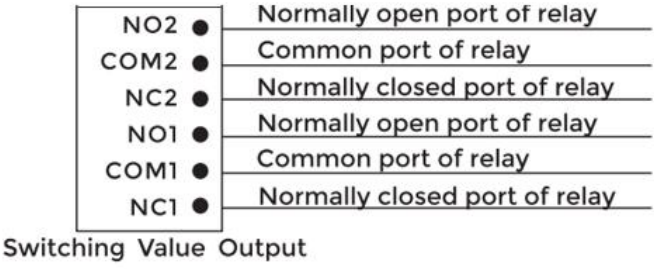
2. Power

The power interface of Door Station connects to 12V DC power.



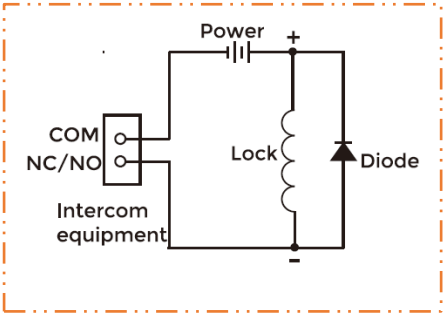
3. Switching Value Output

Connect to the lock module (an independent power supply is necessary for the lock).



⚠ Warning!

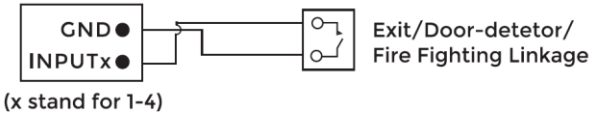
1. When connecting to an inductive load device such as a relay or electromagnetic lock, you are recommended to use a diode 1A/400V (included in the accessories) in anti-parallel with the load device to absorb inductive load voltage peaks. The intercom will be better protected in this way.
2. The load current of the relay cannot be greater than 2A. See attached picture for more details.



4. RS485

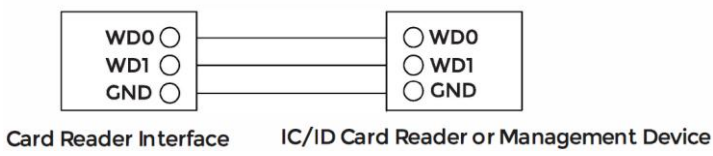
Enable this to connect equipment with RS485 interface.

5. Exit / Door-detector / Fire Fighting Linkage



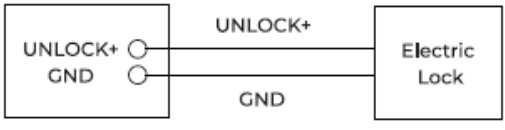
6. Card Reader Interface

The interface can be connected to one IC/ID card reader or be used for reading the information of built-in card reader.



Note: Door station can only be connected to one card reader or management device at a time.

7. Electric Lock Wiring



The Electric Lock interface provides a maximum output of 12V/800mA.

⚠ Note!

The Electric Lock interface can provide a stable maximum output of 12 V/800 mA (9.6 W). For reliable operation, the rated power of the electric lock should not exceed 9.6 W. A 10%–20% power margin is recommended.
Electric locks are typically specified by their DC resistance.
According to Ohm's law: I = U/R
For example, a 12 V electric lock with a DC resistance of 15 Ω has a working current of: I = 12 V ÷ 15 Ω = 0.8 A (800 mA)
Its power consumption is: P = 12 V × 0.8 A = 9.6 W
This reaches the maximum output capacity of the Electric Lock interface.
DC resistance ≥ 15 Ω (current ≤ 0.8 A): The electric lock can be safely connected to the Electric Lock interface.
DC resistance < 15 Ω (current > 0.8 A): The electric lock is not suitable for the Electric Lock interface. Use the Relay interface instead.

TROUBLESHOOTING

The Indoor Monitor cannot start up or power off automatically.

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

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.

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.

FCC Warning

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 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF exposure statement

This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

V1.0

EASY & SMART INTERCOM SOLUTIONS

DNAKE