User Manual

DNAKE H618

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.

CATALOG

PRODUCT FEATURE 1

TECHNICAL PARAMETER 1

PACKAGE CONTENT 2

OVERVIEW 3

BASIC OPERATION 4

DEVICE SETTING 13

WEB SETTING 21

SYSTEM DIAGRAM 44

DEVICE WIRING 46

INSTALLATION 48

TROUBLESHOOTING 50

SAFETY INSTRUCTION.....51

PRODUCT FEATURE

1. Android 10 System
2. 10.1-inch LCD
3. Powered by PoE or power adapter (DC12V/2A)
4. Support SIP 2.0 protocol, easy integration with other SIP devices
5. Compatible with 3rd party application
6. Support monitoring 16 IP cameras

TECHNICAL PARAMETER

System: Android 10

RAM: 2 GB

ROM: 8 GB

Front Panel: Aluminum

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

Standby Power: 3 W

Rated Power: 10 W

Wi-Fi: IEEE802.11 b/g/n,@2.4GHz (Optional)

TF Card Slot: 1

Ethernet Port: 1 x RJ45, 10/100 Mbps adaptive

Resolution: 1280 x 800

Working Temperature: -10℃ to +55℃

Storage Temperature: -40℃ to +70℃

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

PACKAGE CONTENT

MODEL: H618

H618

Bracket

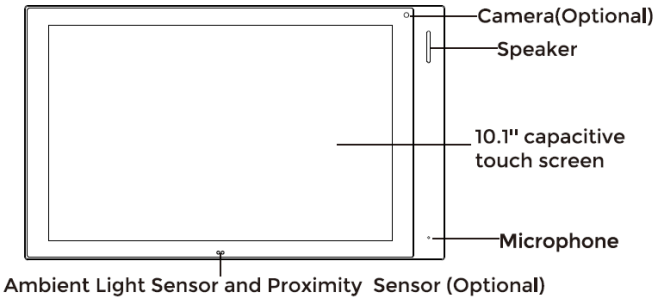
PM4×20 (2 pcs)

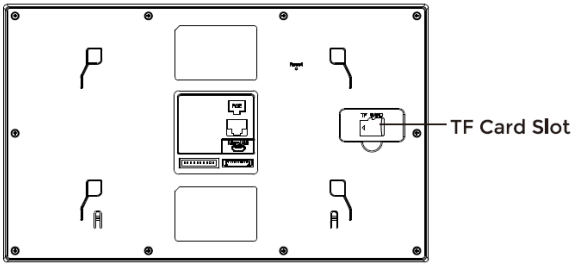
Diode (8 pcs)

Wires

Quick Start Guide

OVERVIEW


Camera(Optional)
Speaker
10.1" capacitive touch screen
Microphone
Ambient Light Sensor and Proximity Sensor (Optional)


TF Card Slot

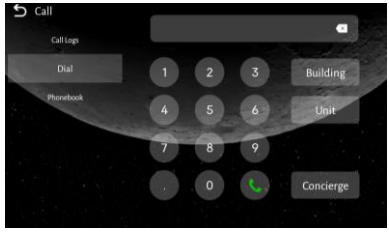
BASIC OPERATION

1. Icon Customization

Users can decide on icons on the 1st homepage. Users just need to press and hold for seconds on the icon to customize. Icons can be deleted or changed to other icons including 3rd party apps. And press √ to confirm or press × to cancel.

2. Call

Go to Call > Dial and enter Building number + Building + Unit number + Unit + Room number + dial icon to call Indoor Monitor (such as 1 + Building + 1 + Unit + 1111 + Dial button). Or you can press Concierge here to call Master Station.

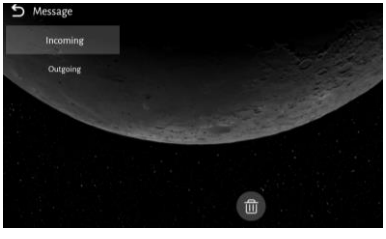


3. Doors

Click Doors icon on Indoor Monitor's homepage to monitor Door Station. You can unlock by clicking door icon or switch to monitor other devices by clicking arrow or the name above.

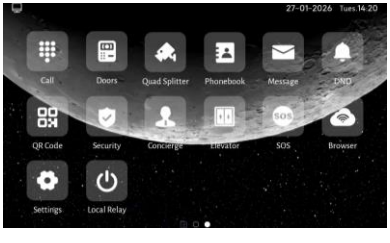
4. Message

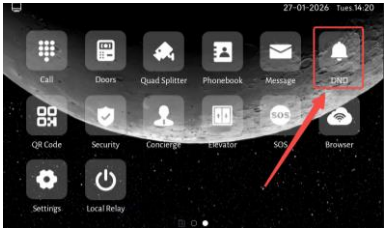
Indoor Monitor can only receive the message sent by Master Station. Up to 64 records can be received in SMS.



5. DND

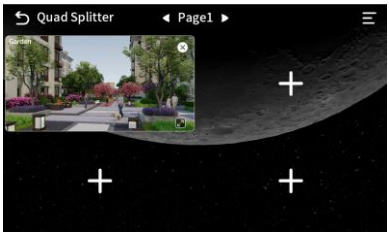
Click DND icon to enable do not disturb function. No calls can call in.





6. Quad Splitter

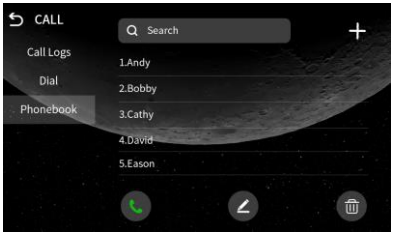
Click Quad Splitter icon on Indoor Monitor's homepage to monitor IPC. Click any screen of IPC to make it full screen. Click left or right arrow to check other pages. Up to 16 IPC can be added.



7. Phonebook

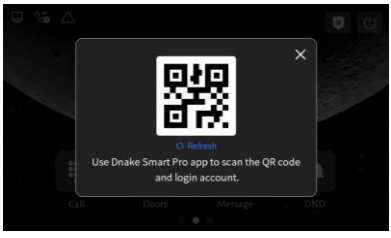
Slide from left to right near the left edge of the screen to wake up phonebook page.

Or go to Call > Phonebook. Select the name on the phonebook and press dial button to call.



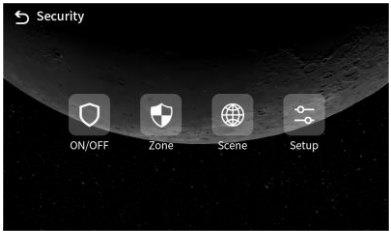
8. QR Code

Click QR Code and scan by DNAKE Smart Pro app to add this Indoor Monitor to your phone. Only when the license is filled in Internet-connected Indoor Monitor, QR code will be available.

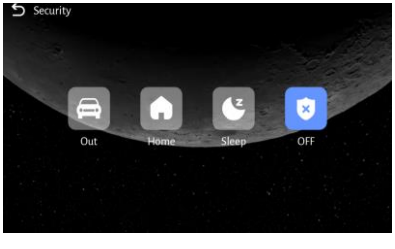


9. Security

Security is for sensors. The default password is 1234.

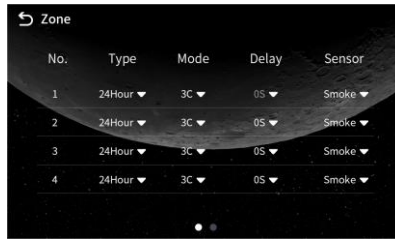


8.1. ON/OFF



ON:	Click Out, Home, or Sleep icon to activate the scene for alarm sensors, the icon on the main interface will light up with a beep sound;
OFF:	Click OFF to disable scene;

8.2. Zone



Type:	• Normal: When users enable an alarm scene on the On/Off page, Normal type alarm zone will be activated after activation time.
	  ○ 100 seconds is the default activation time, it means the alarm will be activated after 100 seconds.
	  ○ After 100s, once sensor is triggered, Indoor Monitor will send this alarm to Master Station.
	  ○ But sometimes users don't want to send the alarm to Master Station (maybe alarm by mistake), users can set the Delay time, so they can cancel the alarm in the Indoor Monitor during this Delay time (PIR, Door, Window);
	• Emergency: once Panic button is triggered, Indoor Monitor will not initiate an alarm and only Master Station will receive alarms secretly; 24 hours standby even if the security is off (Panic, Pull Cord);
	24 Hour: Indoor Monitor will initiate an alarm and Master Station will also receive alarms. 24 hours standby even if the security is off (Smoke, Gas, Flood);

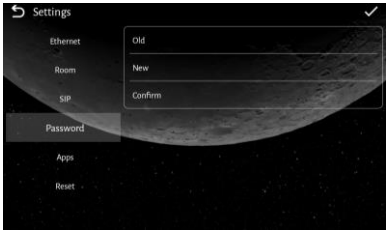
Mode:	• 3C: for the sensor with 2.2KΩ resistance; Regardless of the connection to NC or NO, the alarm can be triggered normally; • NO: normally open; • NC: normally closed; BELL: in BELL mode, Master Station will not receive any alarm. Indoor Monitor is regarded as a doorbell receiver;
Delay:	Once sensor is triggered, Indoor Monitor will send this alarm to Master Station, but users can terminate the alarm sending to Master Station

	during the delayed time set here. Delay setting is only effective for Normal type (0s, 5s, 15s, 20s, 25s, 40s, 60s);
Sensor:	Sensor types (Smoke, Gas, PIR, Door, Window, Panic, Flood, Pull Cord);

8.3. Scene

Activation Time:	Only after activation time, will scene be activated. Activation time is only effective for Normal type (NONE, 30s, 40s, 60s, 100s, and 300s);
Mode:	Tick to link sensors to Out, Home, or Sleep scene;

8.4. Settings



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

10. Concierge

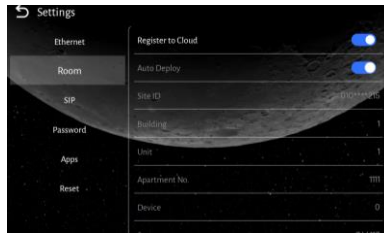
Press the Concierge icon to call Master Station one by one.

11. Elevator

Press the Elevator icon to call control elevator (DNAKE Elevator Control Module is needed).

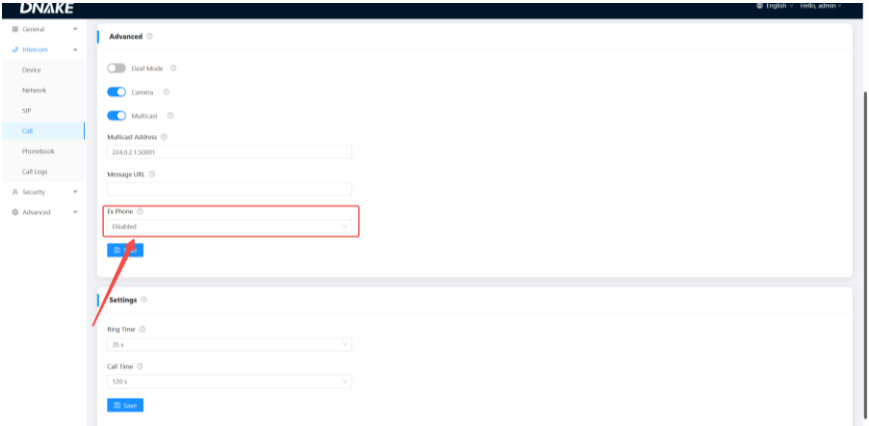
12. Add More Indoor Monitors

Keep Building, Unit, Apartment No., Sync the same as other Indoor Monitors, and Device number should be different. The Device number can be from 0 to 9. But you must have one Indoor Monitor's Device number is 0 and keep it online because 0 here stands for the main one.



Or go to Indoor Monitor's webpage and find Ex Phone in Intercom > Call. Users can directly extend to more Indoor Monitors by filling in sip:IP address (6 Max)

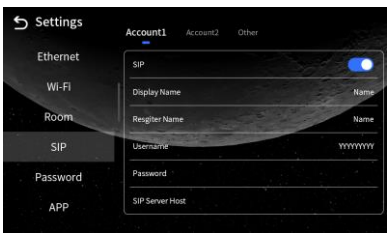
such as sip:192.168.68.90. (Please refer to WEB SETTING for the way to access to webpage)



13. SIP Setting

Users can directly configure SIP on the device's Settings > More > SIP page. The indoor monitor supports registration to two SIP servers.

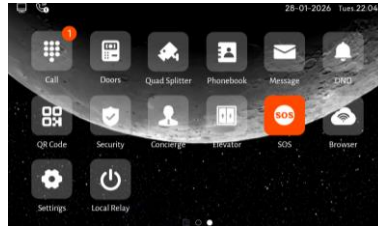
Account 1 is used for DNAKE Cloud, and Account 2 is used for a third-party SIP server.



14. SOS

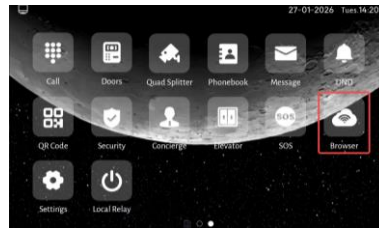
Users can press SOS icon on the 2nd homepage to send SOS to Master Station. Users can set the trigger time length on the webpage. If the time is set to 3s,

users need to press the SOS icon for 3s to send out SOS in case of a wrong operation alarm.



15. Browser

Users can use a browser to access the device webpage and configure related settings.



16. Local Relay

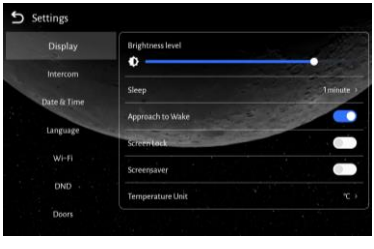
The device supports local relay output. When a configured event is triggered, the relay will be activated locally to control external devices like door locks.

DEVICE SETTING

Connect Indoor Monitor and other devices to a network switch in the same LAN.

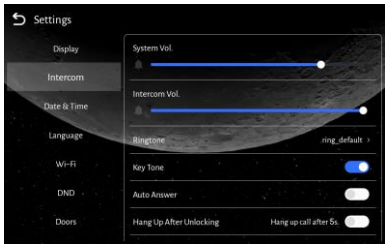
Go to Settings to configure the device.

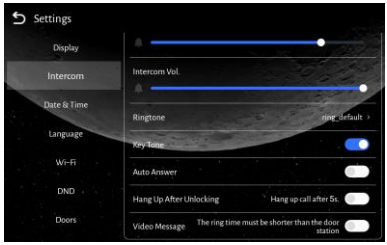
1. Display



Brightness level:	Screen brightness adjustment;
Sleep:	Screen sleep time (15s, 30s, 1min, 2mins, 5mins, 20mins, 30mins);
Approach to Wake:	Get close to device to wake screen;
Screen Lock:	Locks the screen when the display turns off;
Screensaver:	Displays a screensaver when the screen is inactive;
Temperature Unit:	Select the unit for temperature display: Celsius (℃) or Fahrenheit (℉).

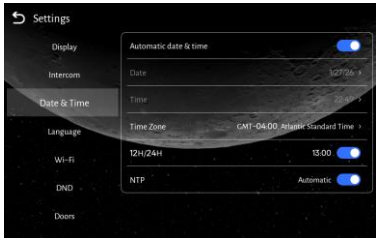
2. Intercom





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);
Auto Answer:	Pick up automatically when receiving a call;
Hang Up After Unlocking:	Hang up call afers 5s;
Video Message:	Recording videos when the call is not answered (TF card is necessary);

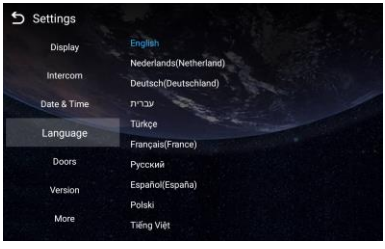
3. Date & Time



Automatic date & time:	Enable to synchronize computer time;
Time Zone:	A region that observes a uniform standard time;

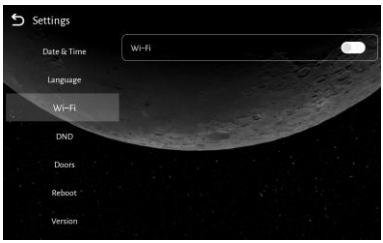
12H/24H:	Select 12H or 24H format to display on the device;
NTP:	Network Time Protocol (NTP) is a protocol used to synchronize computer time;

4. Language



Language:	19 languages supported (简体中文, English, 繁體中文, עִברִית, Deutsch, Español, Türk, Tiếng Việt, Nederlands, Português, Polski, Русский, عربي, Français, Italiano, slovenský, Український, فارسی, 日本語);

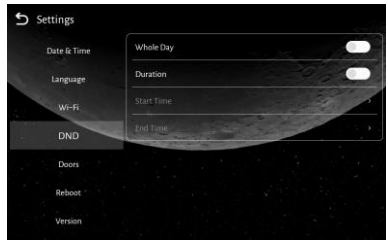
5. Wi-Fi



Wi-Fi:	Enable to connect to Wi-Fi;

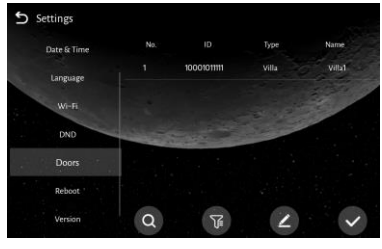
6. DND

Supports disabling DND, enabling whole-day mode, or setting a custom duration for muting alerts.



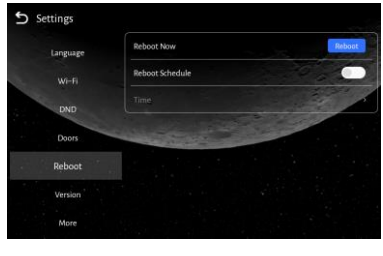
7. Doors

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

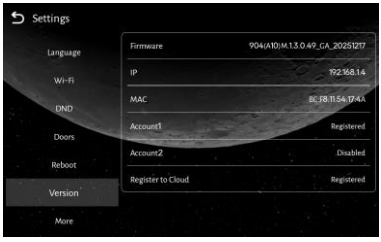


8. Reboot

Supports reboot now or scheduled reboot.



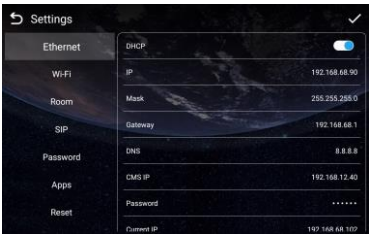
9. Version



Firmware:	Firmware version of the device;
IP:	Current IP address of the device;
Wi-Fi IP:	Current Wi-Fi IP address of the device;
MAC:	MAC address of the device;
Account 1:	Sip account of DNAKE SIP server (cloud);
Account 2:	Sip account of 3rd-party SIP server;
Register to Cloud:	Status of Cloud registration.

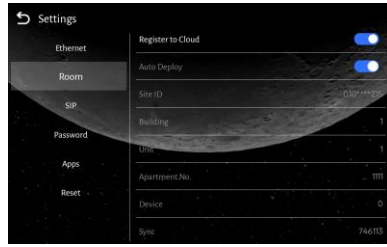
10. More > Ethernet

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



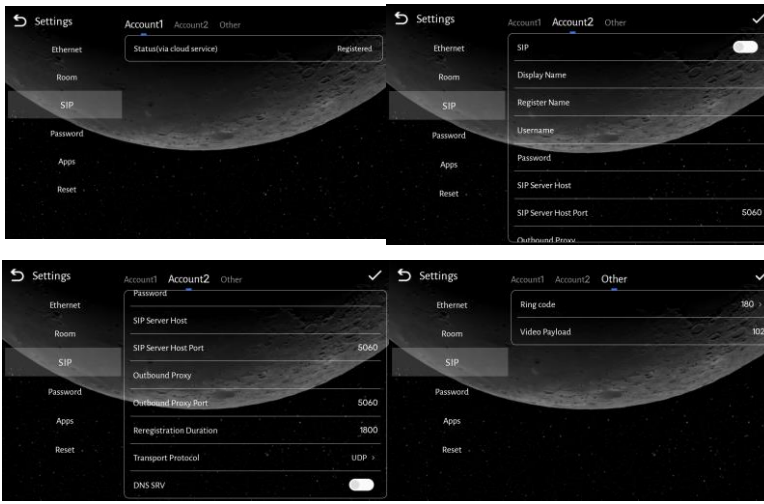
DHCP:	Enable DHCP (Dynamic Host Configuration Protocol) to dynamically distributing network configuration parameters;
IP:	Configure Static IP address to manually distributing network configuration parameters;
Mask:	Subnet mask;
Gateway:	A component that is part of two networks, which use different protocols;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

11. More > Room



Register to Cloud:	Enable the cloud service;
Auto deploy:	Synchronize configurations from the Cloud;
Site ID:	Site ID on the cloud;
Building:	Number of the building (Range: 1-999);
Unit:	Number of the unit (Range: 0-99);
Apartment No.:	Number of the apartment (Range: 0-9899);
Device:	Number of the device (Range: 0-9);
Sync:	A number used to synchronize to other Indoor Monitors;

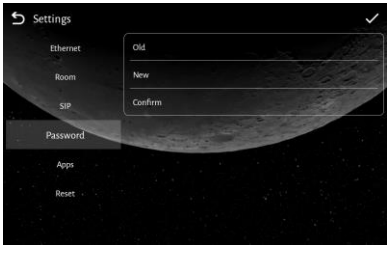
12. More > SIP



Account 1:	Sip account of DNAKE SIP server (cloud);
Account 2:	Sip account of 3rd-party SIP server;

SIP:	Enable to use SIP;
Display Name:	Display name of SIP account;
Register Name:	Register Name of SIP account;
Username:	Username of SIP account;
Password:	Password of SIP account;
SIP Server Host:	Directly fill in SIP server's address e.g., 192.168.68.90; The default port is 5060;
SIP Server Host Port:	The default port is 5060;
Outbound Proxy:	Outbound Proxy server; the default port is 5060;
Outbound Proxy Port:	The default port is 5060;
Registration Duration:	The time interval for SIP server registration renewal.
Transport Protocol:	Transport Protocol (UDP, TCP, TLS);
Video Payload:	Video payload range is 96-127;
DNS SRV:	Enable to use SIP server discovery.

13. More > Password

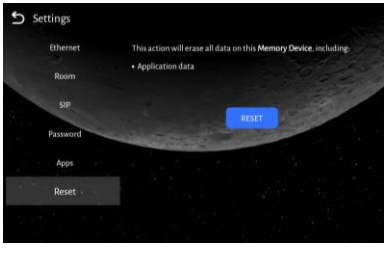


Old Password:	Current administrator password of the Device (Default 123456);
New Password:	New administrator password of the Device;
Confirm Password:	Confirm administrator password of the Device;

14. More > Apps

Apps:	3rd-party apps can be managed here;

15. More > Reset

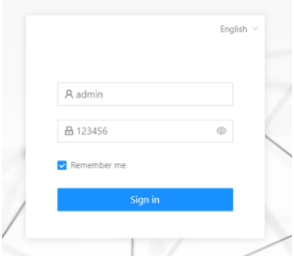


Reset:	Reset to factory settings;

WEB SETTING

Connect Indoor Monitor and PC to a network switch in the same LAN. You can enter the IP address of Indoor Monitor in the web browser search bar and log in with the default account (admin) and password (123456). This is where you can configure the device.

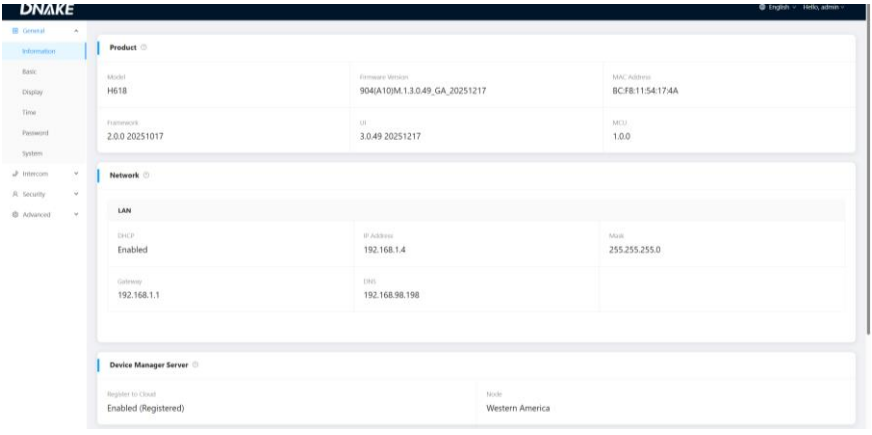
To get the IP address, you can search by DNAKE Remote Upgrade Tool installed in the same LAN with the devices.

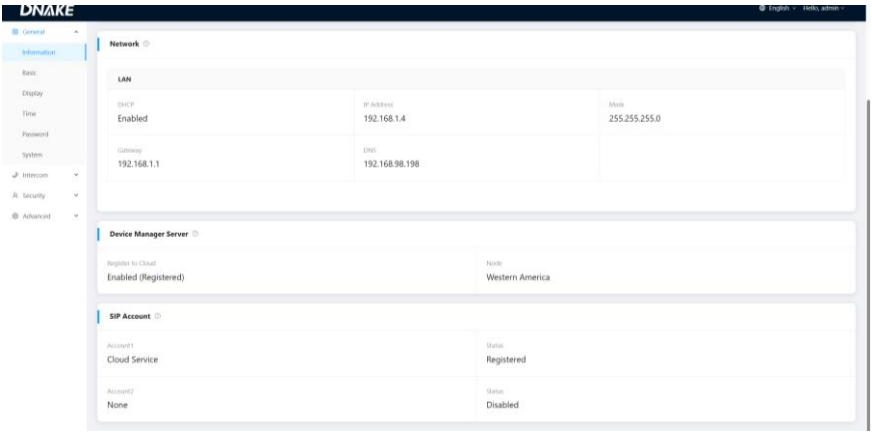


1. General

1.1. General > Information

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



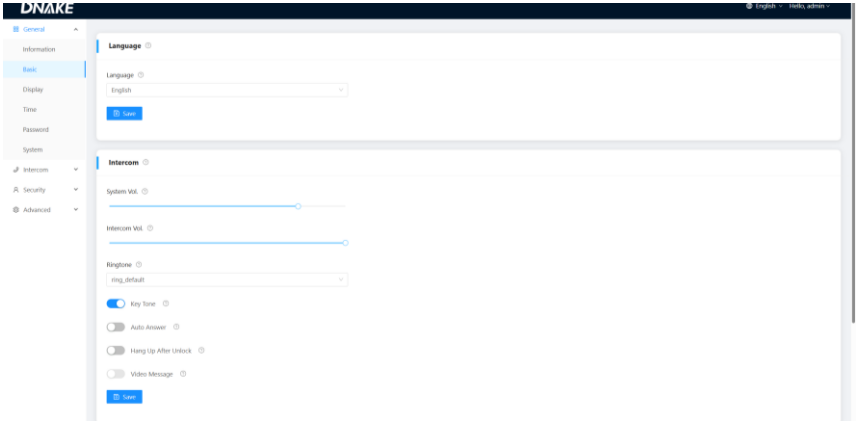


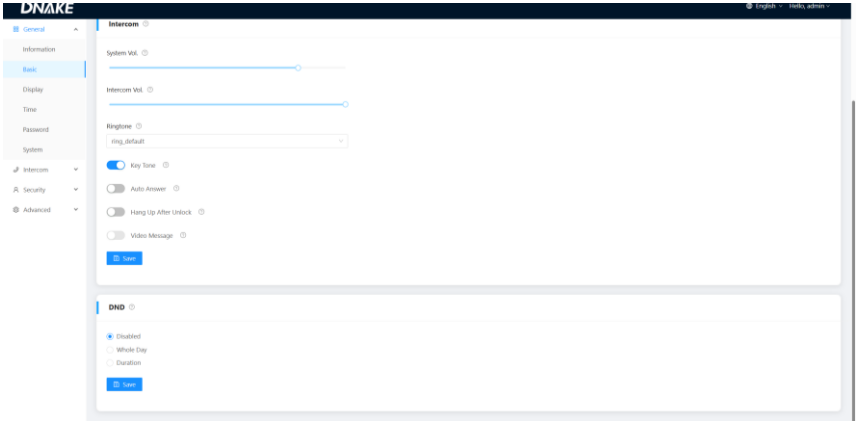
Model:	Model of the device;
Firmware Version:	Firmware version of the device;
MAC Address:	MAC address of the device;
Framework:	Framework of the device;
UI:	UI of the device;
DHCP:	Status of DHCP;
IP Address:	Current IP address of the device;
Mask:	Subnet mask of the device;
Gateway:	Gateway of the device;

DNS:	Domain Name Server of the device;
Account:	SIP account of the device;
Register to Cloud:	Status of cloud registration of the device;
Account 1:	Sip account of DNAKE SIP server (cloud);
Acoount 2:	Sip account of 3rd-party SIP server;
Status:	Status of SIP registration.

1.2. General > Basic

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

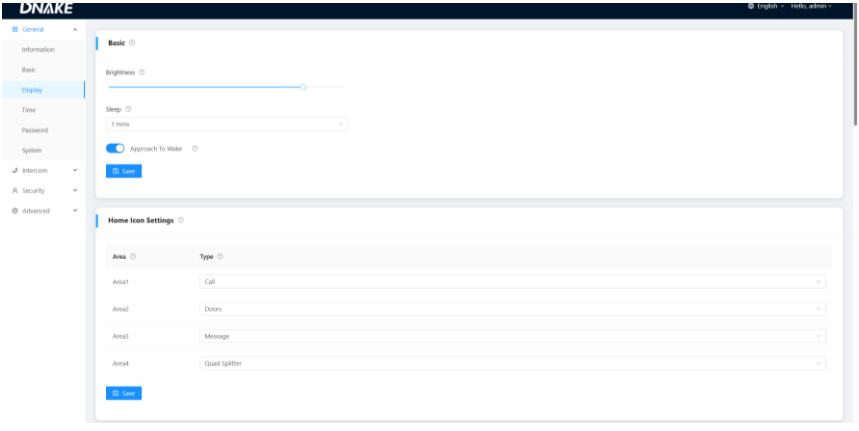


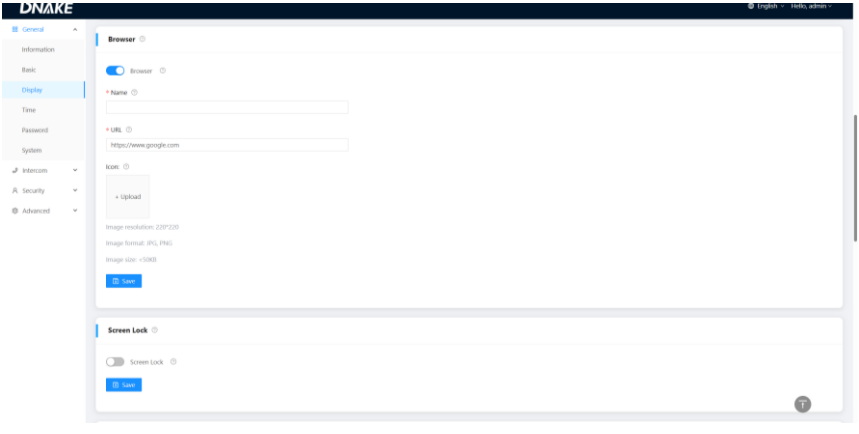


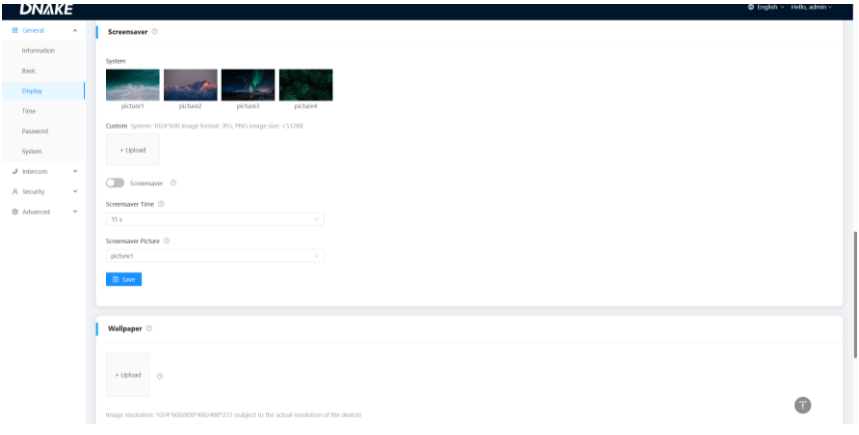
Language:	19 languages supported (简体中文, English, 繁體中文, עִברִית, Deutsch, Español, Türk, Tiếng Việt, Nederlands, Português, Polski, Русский, عربي, Français, Italiano, slovenský, Український, فارسی, 日本語);
System Vol:	Volume of System can be set from 1 to 6. Volume 6 is the maximum volume (Key tone);
Intercom 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;
Hang Up After Unlock:	Hang up the call within 5s after unlocking.
Video Message:	Recording videos when the call is not answered;
DND:	Supports disabling DND, enabling whole-day mode, or setting a custom duration for muting alerts.

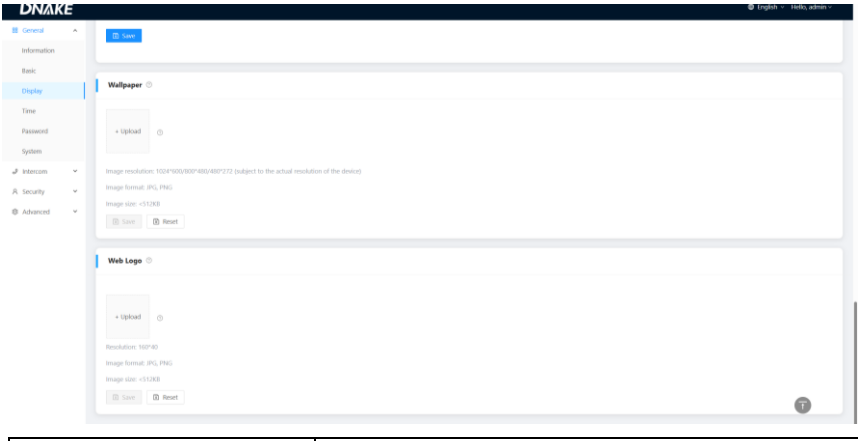
1.3. General > Display

The display options in this column allow you to configure basic display-related settings of the device.


DNAKE
English
Hello, admin
General
Information
Basic
Display
Time
Password
System
Intercom
Security
Advanced
Basic
Brightness
Sleep
1 mins
Approach To Wake
Save
Home Icon Settings
Area
Type
Area1
Call
Area2
Doors
Area3
Message
Area4
Quad Splitter
Save


DNAKE
English
Hello, admin
General
Information
Basic
Display
Time
Password
System
Intercom
Security
Advanced
Browser
Browser
Name
URL
https://www.google.com
Icon:
+ Upload
Image resolution: 220*220
Image format: JPG, PNG
Image size: <50KB
Save
Screen Lock
Screen Lock
Save



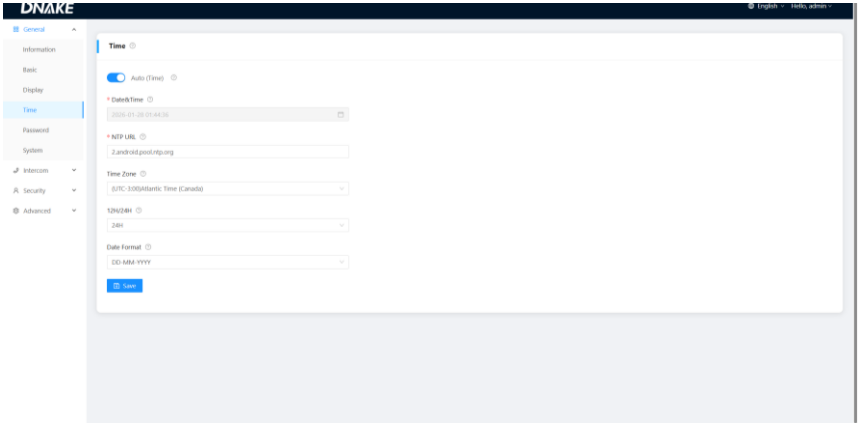


Brightness:	The brightness of the screen;
Sleep:	Screen off timeout (15s, 30s, 1min, 2mins, 5mins, 10mins, 30mins);
Area:	quick launch function below the device homepage;
Type:	type of the quick launch (Area);
Browser:	The browser icon on the device LCD;
Name:	Name of broswer icon;
URL:	Default URL of the browser;
Icon:	Customized browser icon;
Screen Lock:	Locks the screen when the display turns off;

Screensaver:	Displays a screensaver when the screen is inacti ve;
Screensaver Time:	The time to activate the screen saver;
Screensaver Picture:	The pictures displayed by the screen saver;
Wallpaper:	The wallpaper displayed in the device LCD;
Web Logo:	The logo in the upper left corner of the device W eb UI

1.4. General > Time

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

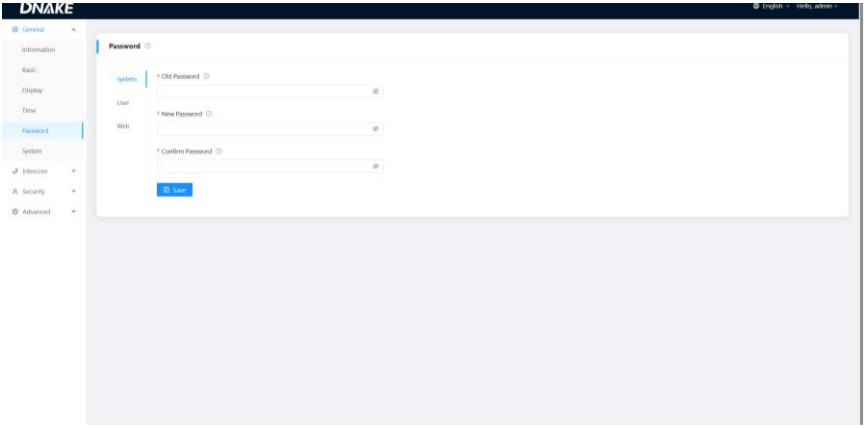


Auto (Time):	Enable to synchronize computer time;
Date&Time:	Date and time can be set manually;
NTP URL:	Network Time Protocol (NTP) is a protocol used t o synchronize NTP time;
Time Zone:	A region that observes a uniform standard time;
12H/24H:	Select 12H or 24H format to display on the devic e;
Date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

1.5. 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

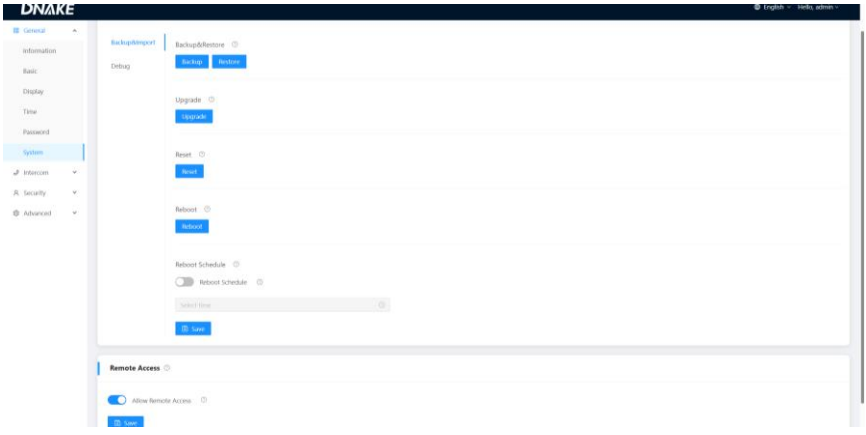
default password for both of them is 123456. User for Indoor Monitor is the security password whose default password is 1234.

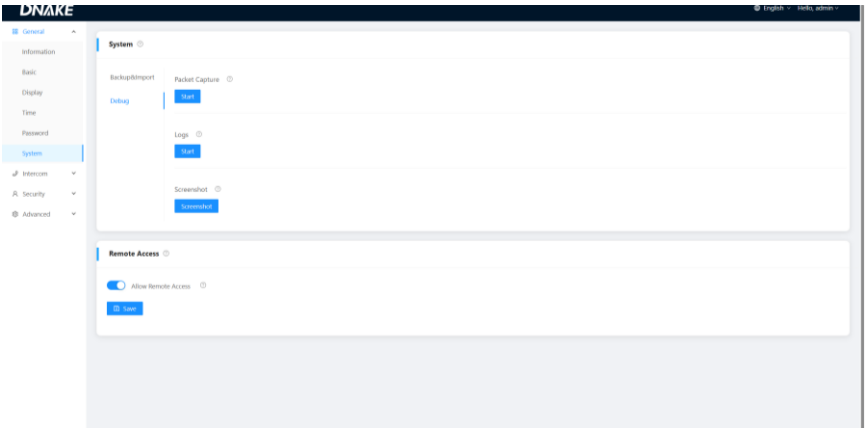


System Old Password:	Current administrator password of the Device (Default 123456);
System New Password:	New administrator password of the Device;
System Confirm Password:	Confirm administrator password of the Device;
User Old Password:	Current security password of the Device (Default 1234);
User New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

1.6. 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;
Reboot Schedule:	Scheduled reboot;
Packet Capture:	Capturing packets can help developers reproduce positioning problems;
Logs:	Device logs;
Screenshot:	Screenshot device interface;
Remote Access:	Allows the cloud platform remote WebUI.

2. Intercom

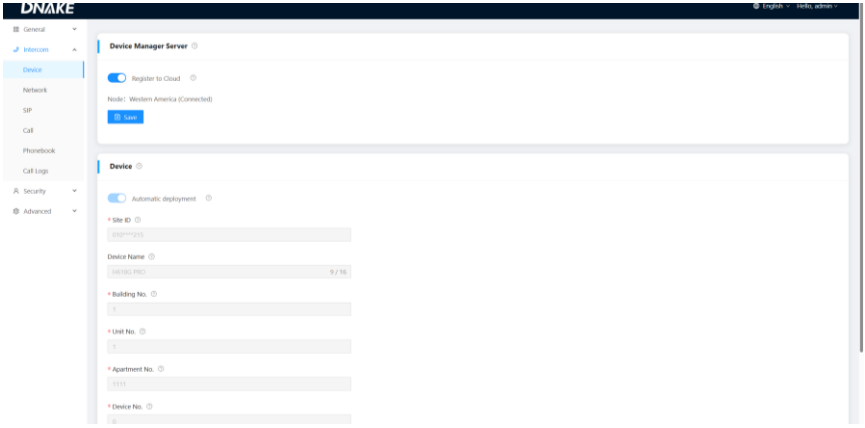
2.1. Intercom > Device

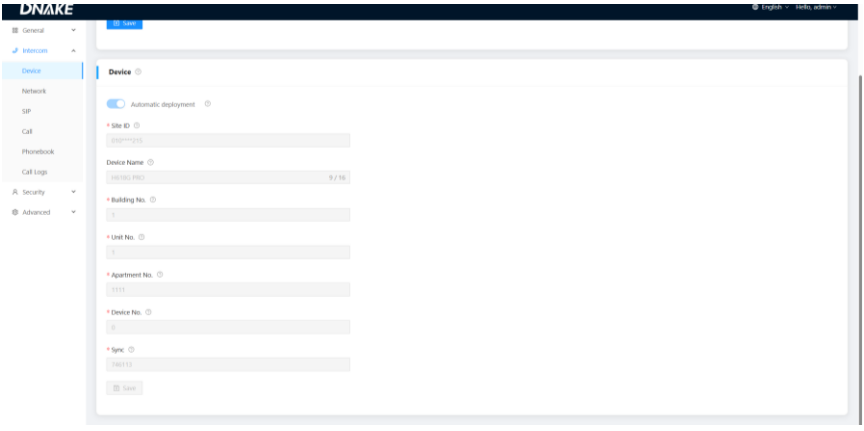
Device manager server is designed to enable or disable cloud service.

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.

When users want to use more than 1 Indoor Monitors, keep Building, Unit, Apartment No., Sync the same as other Indoor Monitors, and Device number should be different. The Device number can be from 0 to 9. But you must have one Indoor Monitor's Device number is 0 and keep it online because 0 here stands for the main one.

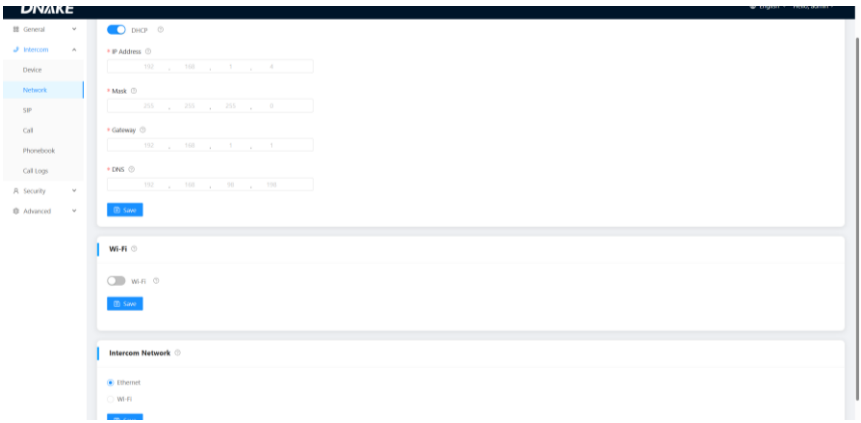




Device Manager Sever:	Enable or disable cloud service;
Building:	Number of the building (Range: 1-999);
Unit:	Number of the unit (Range: 0-99);
Room:	Number of the apartment (Range: 0-9899);
Device No:	Number of the device (Range: 0-9);
Sync:	A number used to synchronize to other Indoor M onitors;

2.2. Intercom > Network

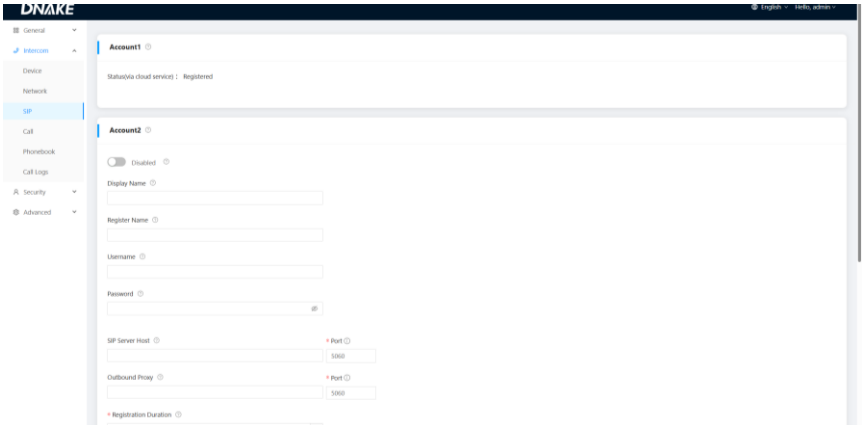
The device network can be set to either DHCP or a static IP address. Wi-Fi or Ethernet is optional for the intercom network.

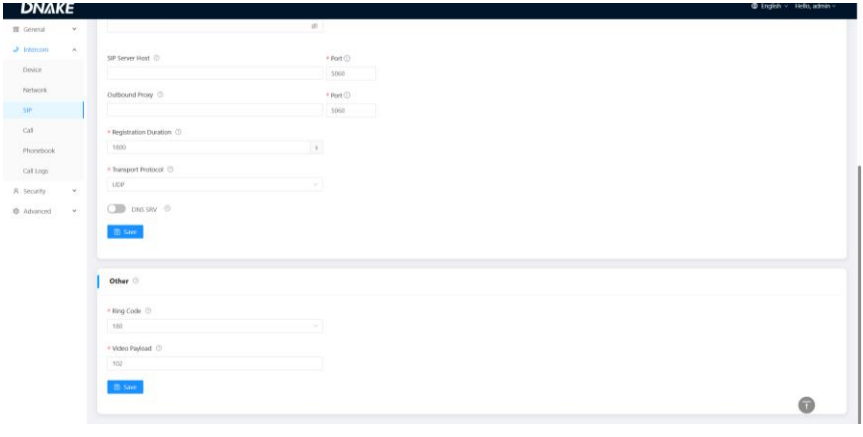


DHCP:	Enable DHCP (Dynamic Host Configuration Prot ocol) to dynamically distribute network configurat ion parameters;
IP Address:	Configure Static IP address to manually distribut e network configuration parameters;
Mask:	Subnet mask;
Gateway:	A component that is part of two networks, which use different protocols;
DNS:	Domain Name Server of the device;
Wi-Fi:	Enable the Wi-Fi;
Eth & Wifi:	Network used for intercom.

2.3. Intercom > SIP

The SIP column concerns DNAKE SIP registration (account 1) and 3rd-party SIP registration (account 2), Display Name, Register Name, Username, Password, SIP Server Host, Outbound Proxy, Transport Protocol, Video Payload, etc.



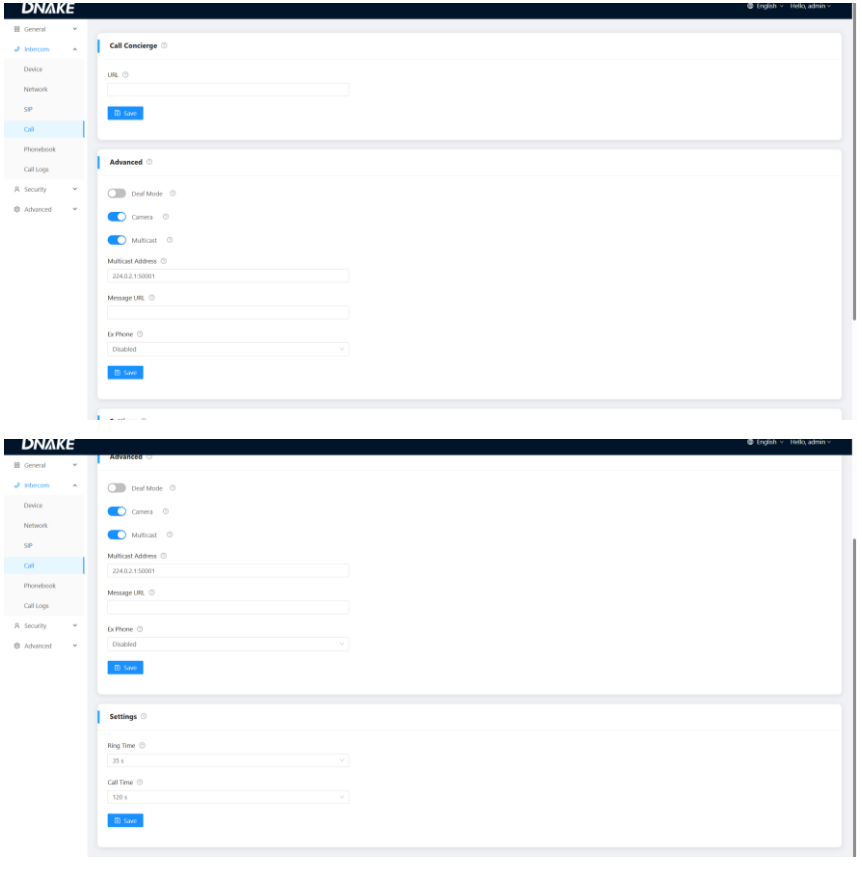


Status:	Status of cloud service;
Disabled:	Enable to register3rd-party SIP server;
Display Name:	Display name of SIP account;
Register Name:	Register Name of SIP account;
Username:	Username of SIP account;
Password:	Password of SIP account;
SIP Server Host:	Directly fill in SIP server's address e.g., 192.168.68.90; The default port is 5060;
Outbound Proxy:	Outbound Proxy server; the default port is 5060;
DNS SRV:	Enable to use SIP server discovery;
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.

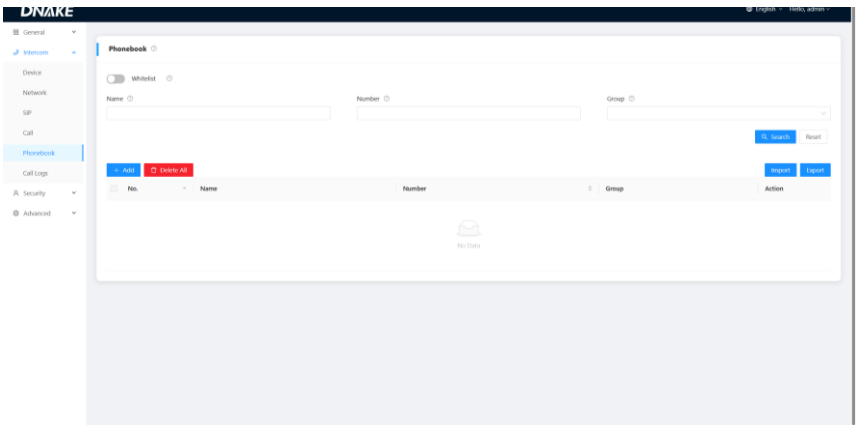


Call Concierge URL:	Fill in the call destination for concierge button or the single button on the device; ● IP call:

	Fill in sip:IP address, e.g., sip:192.168.68.90; ● SIP call: Fill in sip:sip account@SIP server address:port, e.g., sip:101@192.168.68.90:5060;
Deaf Mode:	The lamp connecting to Indoor Monitor will be tur ned on when receiving a call;
Camera:	Enable to allow other Indoor Monitors or Master Stations to see your image when your Indoor Mo nitor has a built-in camera;
Multicast Address:	Address for receiving multicast. The format is xx x.xxx.xxx.xxx:xxxxxx
Multicast URL:	Address for receiving messages in the Message function of the device;
Ex Phone:	Extend to more Indoor Monitors by filling in sip:IP address (6 Max) such as sip:192.168.68.90 (6 M ax);
Ring Time:	The ring will be ended automatically after a perio d of time (10s, 20s, 35s, 45s, 60s, 90s, 120s)
Call Time:	The call will be ended automatically after a perio d of time (120s, 300s, 600s, 1200s, 1800s);

2.5. Intercom > Phonebook

All contacts on Indoor Monitor can be edited here.

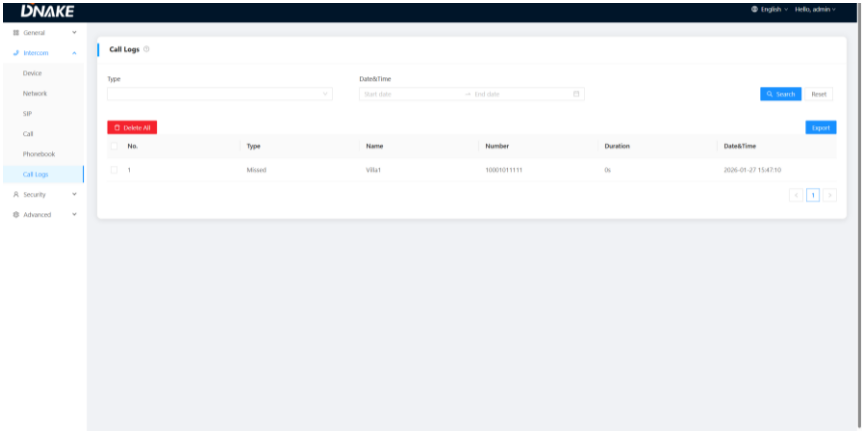


Whitelist:	Enable whitelist to block other calls outside of th e whitelist. For example, Ana is in the whitelist b

	ut Nyree isn't in it. Ana can call in while Nyree ca n'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.

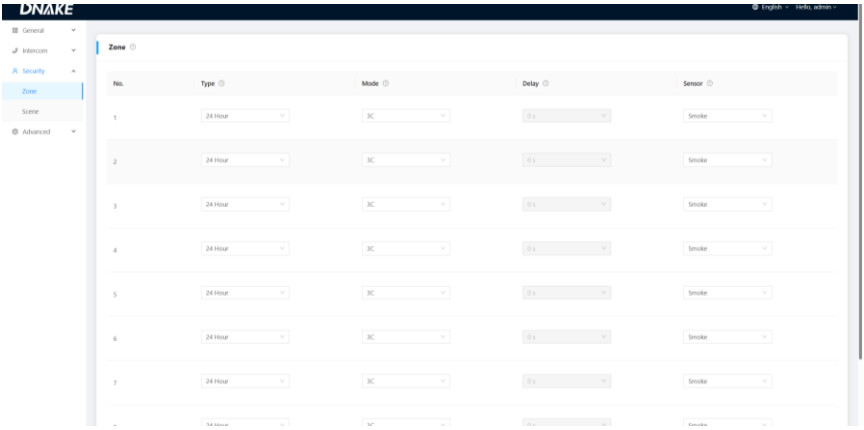


Search:	Fill in text inputs to search;
Reset:	Click reset to clear words in text inputs;
Delete All:	Delete all data on the chart;
Export:	Export all data on the chart;

3. Security

3.1. Security > Zone

Zone column is the setup page for security sensors.

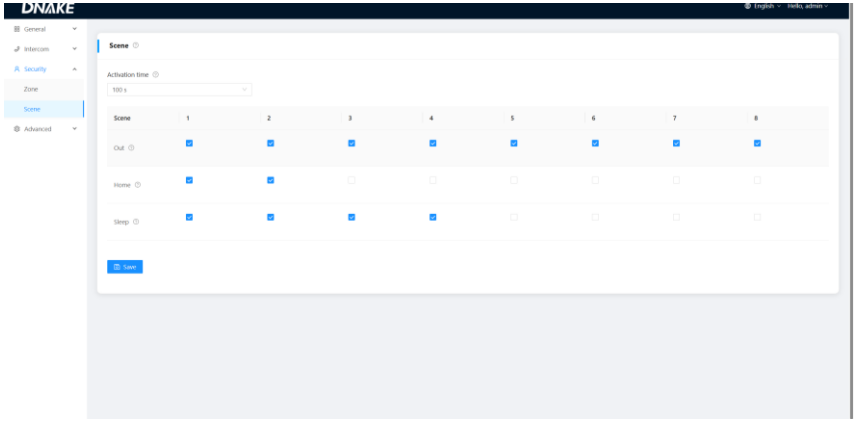


Type:	• Normal: When users enable an alarm scene on the On/Off page, Normal type alarm zone will be activated after activation time. ○ 100 seconds is the default activation time, it means the alarm will be activated after 100 seconds. ○ After 100s, once sensor is triggered, Indoor Monitor will send this alarm to Master Station. ○ But sometimes users don't want to send the alarm to Master Station (maybe alarm by mistake), users can set the Delay time, so they can cancel the alarm in the Indoor Monitor during this Delay time (PIR, Door, Window); • Emergency: once Panic button is triggered, Indoor Monitor will not initiate an alarm and only Master Station will receive alarms secretly; 24 hours standby even if the security is off (Panic, Pull Cord); 24 Hour: Indoor Monitor will initiate an alarm and Master Station will also receive alarms. 24 hours standby even if the security is off (Smoke, Gas, Flood);
Mode:	• 3C: for the sensor with 2.2KΩ resistance; Regardless of the connection to NC or NO, the alarm can be triggered normally; • NO: normally open;

	• NC: normally closed; BELL: in BELL mode, Master Station will not rec eive any alarm. Indoor Monitor is regarded as a doorbell receiver;
Delay:	Once sensor is triggered, Indoor Monitor will sen d this alarm to Master Station, but users can ter minate the alarm sending to Master Station durin g the delayed time set here. Delay setting is only effective for Normal type (0s, 5s, 15s, 20s, 25s, 40s, 60s);
Sensor:	Sensor types (Smoke, Gas, PIR, Door, Window, Panic, Flood, Pull Cord);

3.2. Security > Scene

Scene column is for security sensors' trigger conditions.

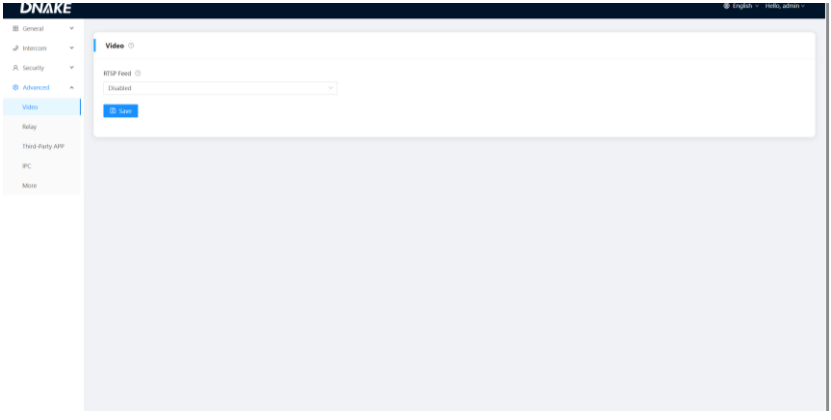


Activation Time:	Only after activation time, will scene be activate d. Activation time is only effective for Normal typ e (NONE, 30s, 40s, 60s, 100s, and 300s);
Mode:	Tick to link sensors to Out, Home, or Sleep scen e;

4. Advanced

4.1. Advanced > Video

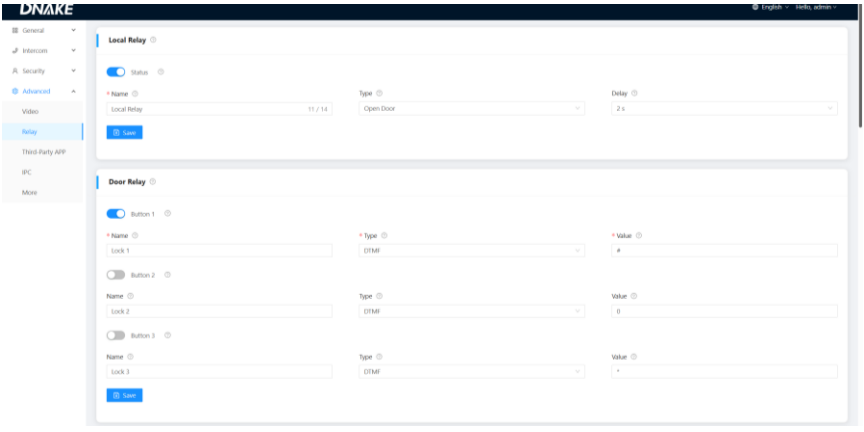
Video here is for users to show their IPC image for the one they are talking with. For example, users receive calls from Master Station or Indoor Monitor. They can see the IPC image because users filled in IPC's RTSP Feed here.

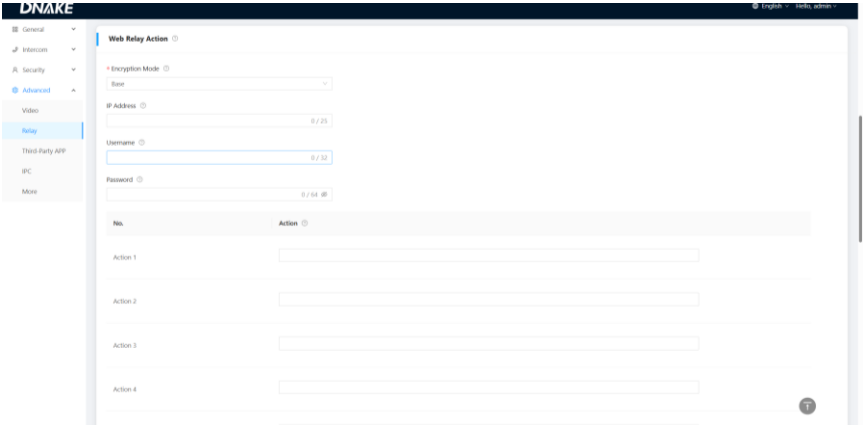


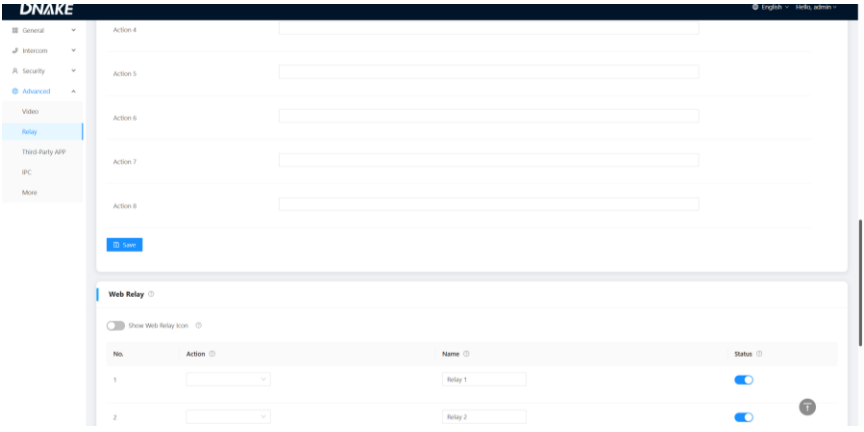
RTSP Feed:	Fill in the IP camera stream URL here.

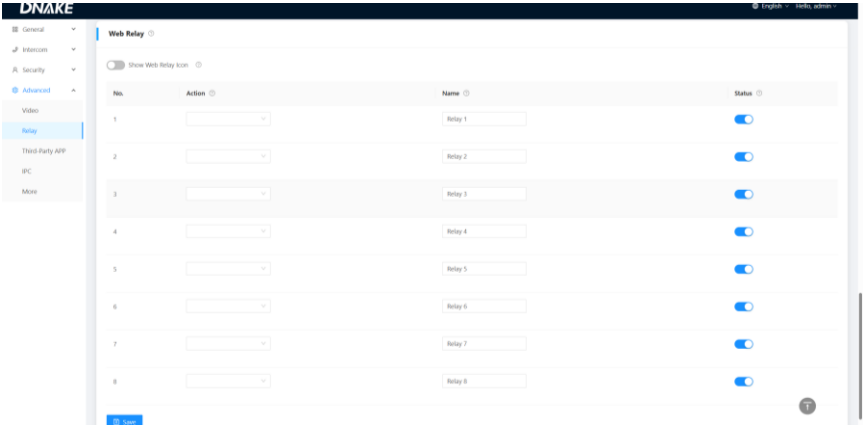
4.2. Advanced > Relay

Relay column is for Local Relay, Door Relay and Web Relay.


DNAKE
English
Hello, admin
General
Intercom
Security
Advanced
Video
Relay
Third-Party APP
IPC
More
Local Relay
Status
Name
Local Relay
11 / 14
Type
Open Door
Delay
2 s
Save
Door Relay
Button 1
Name
Lock 1
Type
DTMF
Value
#
Button 2
Name
Lock 2
Type
DTMF
Value
0
Button 3
Name
Lock 3
Type
DTMF
Value
*
Save


DNAKE
English
Hello, admin
General
Intercom
Security
Advanced
Video
Relay
Third-Party APP
IPC
More
Web Relay Action
Encryption Mode
Base
IP Address
0 / 25
Username
0 / 32
Password
0 / 64
No.
Action
Action 1
Action 2
Action 3
Action 4



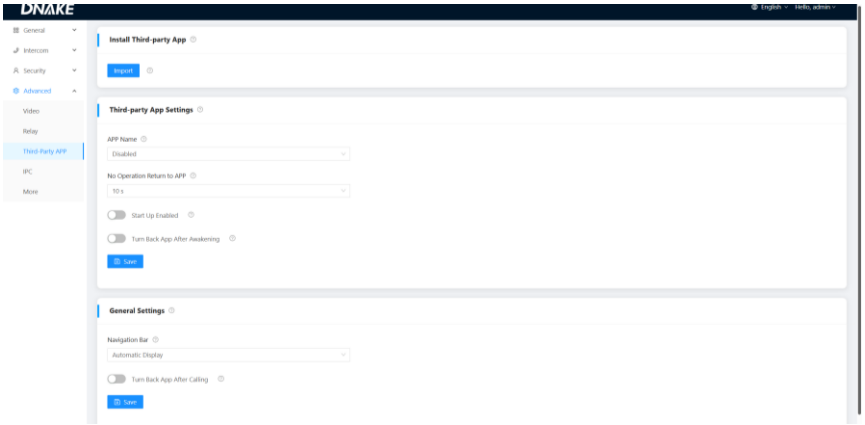


Local Relay Type:	Type of local relay (Open Door is for lock/Chime Bell is for doorbell);
Local Relay Delay:	The length of unlock delay time (1-9s);
Unlock Button 1-3:	Enable or disable relays for unlock buttons;
Name:	Customize name for unlock button;
Type:	Type 1-4: 4 types of unlock way are optional (Local Relay/DTMF/HTTP/Action 1-8) HTTP——the format is http://192.168.3.119/cgi-bin/webapi.cgi?api=unlock&index=2&username=admin&password

	=E10ADC3949BA59ABBE56E057F20F883E; Note: • "192.168.3.119" is the IP address of Door Station; • The number "2" after "index=" is the number for relay. (Relay 1 is 0; relay 2 is 1; relay 3 is 2); • "admin" here should be changed to your admin account; • "Password" is Password of admin; • "E10ADC3949BA59ABBE56E057F20F883E" here is MD5 (Message-Digest Algorithm) encrypted. Users need to use account password to encrypt and change it. DTMF——Dual-tone multi-frequency signaling, Relay1: #, Relay2:0, relay3: *; Action——Action 1-8 set inWeb Relay
Encryption Mode:	To enable MD5 encryption or not;
IP address:	IP address of 3rd-party web relay;
Username:	Username for Web Relay Action authentication;
Password:	Password for Web Relay Action authentication;
Action:	Action URL——eg. http://username:password@IP/state.xml?relayState=2;

4.3. Advanced > Third-Party APP

Third-Party APP column is to import APP and complete corresponding settings.

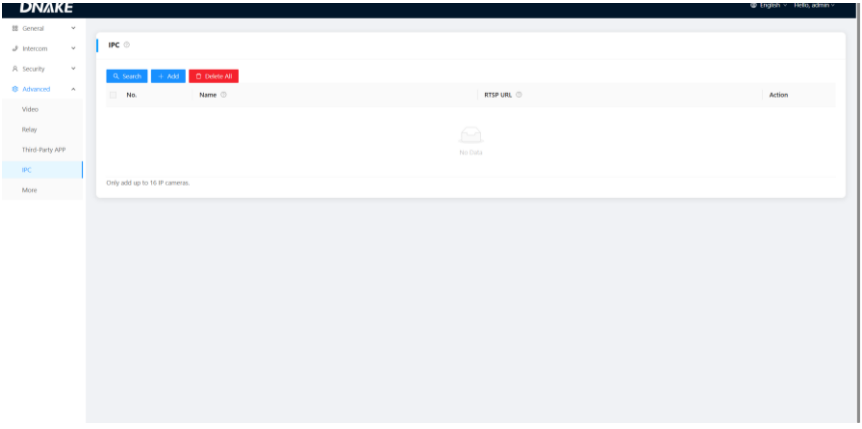


Install Third-party App:	Install 3rd-party apps on Indoor Monitor. Click Import to select apk. file and install. APKs size: ⩽100M;
APP Name:	Disable or use “Broswer”;

No Operation Return to APP:	Time (Seconds) for the device to automatically return to the third-party app after no operation. Valid values: Disable/10/20/30/60;
Start Up Enabled:	Automatically starts up the 3rd-party APP after the device is power on;
Turn Back App After Awakening:	Automatically returns to the 3rd-party APP after the screen is re-awakened;
Navigation Bar:	Hide or automatically display the navigation bar;
Turn Back App After Calling:	Automatically returns to the 3rd-party APP after ending the call.

4.4. Advanced > IPC

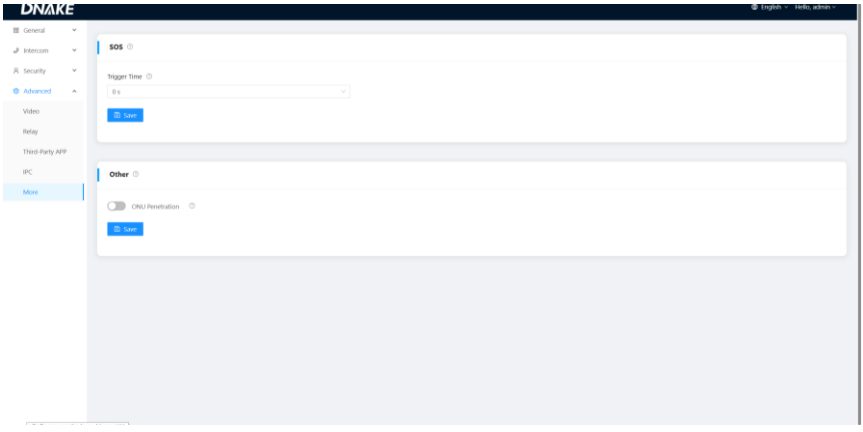
IPC column is to search or manually add IP cameras. Up to 16 cameras can be added here.



Search:	Search IPC via Onvif ;
Add:	Add IPC via RTSP;
Delete All:	Delete all IPCs selected.

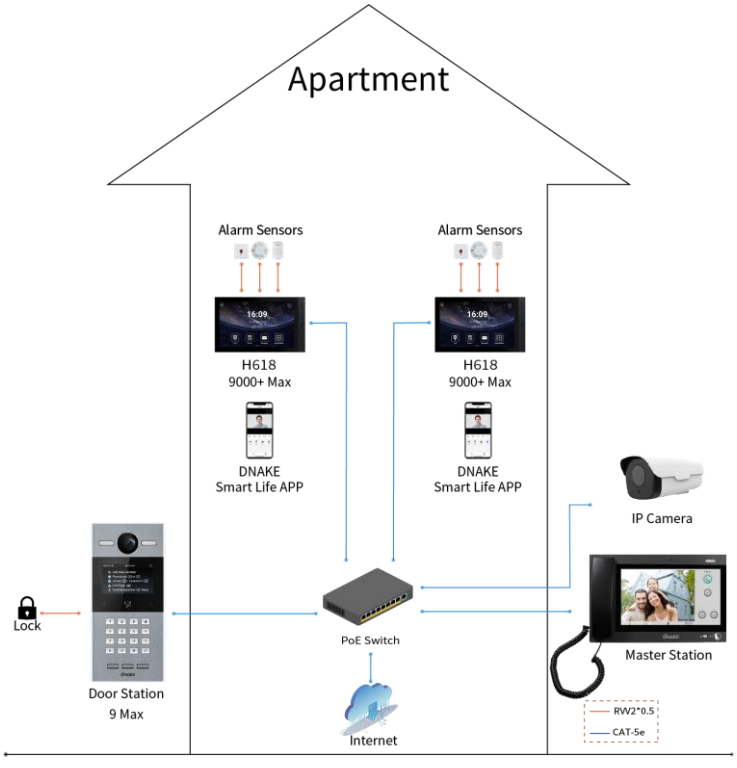
4.5. Advanced > More

More column is for SOS and ONU Penetration.

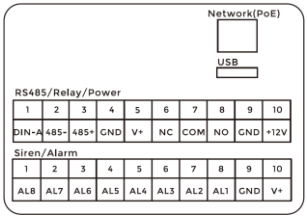


SOS:	Trigger Time can be set to 0s and 3s. If the time is set to 3s, users need to press the SOS icon for 3s to send out SOS in case of a wrong operation alarm.;
ONU Penetration:	Please enable when using optical cable but not network cable in the building;

SYSTEM DIAGRAM


Apartment
Alarm Sensors
Alarm Sensors
H618
9000+ Max
H618
9000+ Max
DNAKE
Smart Life APP
DNAKE
Smart Life APP
IP Camera
Lock
Door Station
9 Max
PoE Switch
Master Station
Internet
RVV2*0.5
CAT-5e

DEVICE WIRING

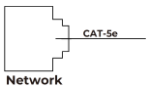


H618

1. Network (PoE)

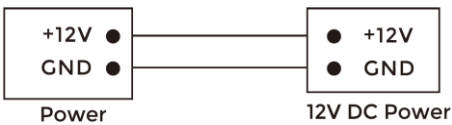
Standard RJ45 interface is used to be connected to the Master Station, Indoor Monitor and/or other network equipment.

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.

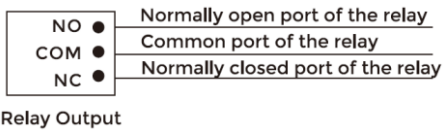


2. Power

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

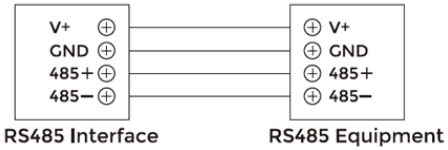


3. Relay Output



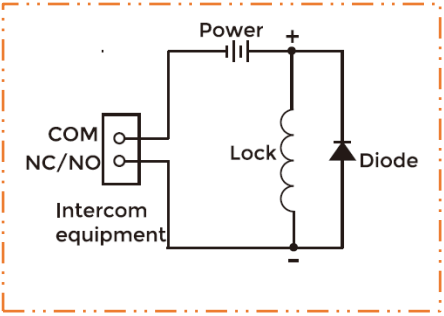
4. RS485

Enable to connect equipment with RS485 interface. RS485 interface can output 12V/100mA power supply. If RS485 equipment to be connected doesn't require the power supply, there is no need to connect to +12V.



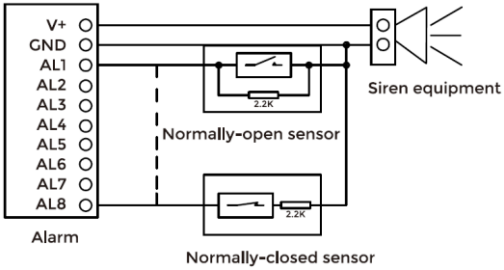
⚠ Warning!

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.



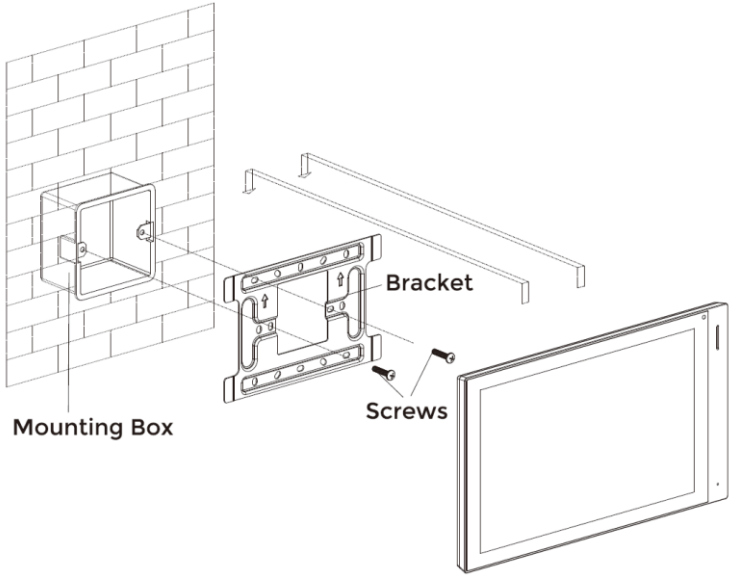
5. Siren/Alarm

Interface of alarm zones connects with normally-open or normally-closed switch. When the alarm zone is triggered, it will output 12V/100mA power.



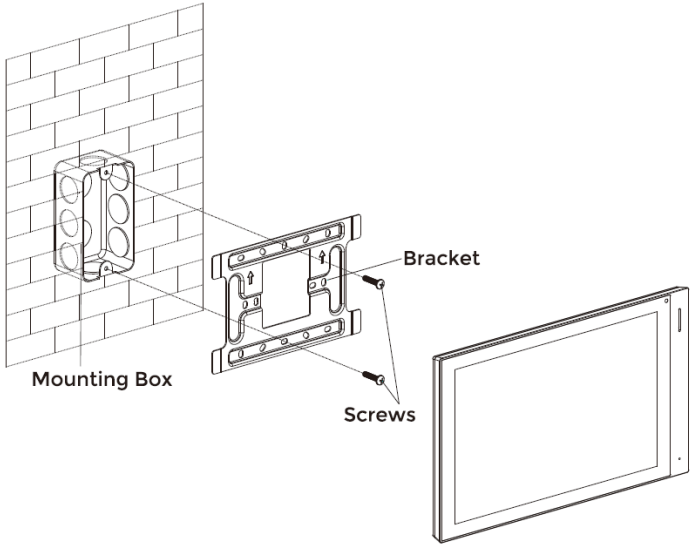
INSTALLATION

Surface Mounting-86 Mounting Box



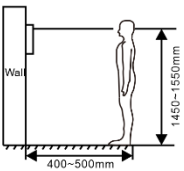
Product size: 264.3 × 160 × 11.8 mm
Surface Mounting size: 264.3 × 160 × 21.6 mm

Surface Mounting-118 Mounting Box



Product size: 264.3 × 160 × 11.8 mm
Surface Mounting size: 264.3 × 160 × 21.6 mm

Tips:



The camera should be 1450~1550mm above the ground.

The camera at this height can capture human face perfectly.

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.

V3.0

EASY & SMART
INTERCOM SOLUTIONS

DNAKE