



User Manual

DNAKE E216

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. Easy configuration
2. 7-inch capacitive touch screen
3. Powered by PoE or power adapter (DC12V/2A)
4. Support SIP 2.0 protocol, easy integration with other SIP devices
5. Easy integration with elevator control system
6. Support monitoring 16 IP cameras

TECHNICAL PARAMETER

System: Linux

RAM: 64 MB

ROM: 128 MB

Front Panel: Plastic

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

Standby Power: 1.5 W

Rated Power: 9 W

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

Resolution: 1024 x 600

Working Temperature: -10°C to +55°C

Storage Temperature: -40°C to +70°C

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

PACKAGE CONTENT

MODEL: E216



E216



Wiring Cover



PM4×20 (2 pcs)



Diode (8 pcs)



Wires

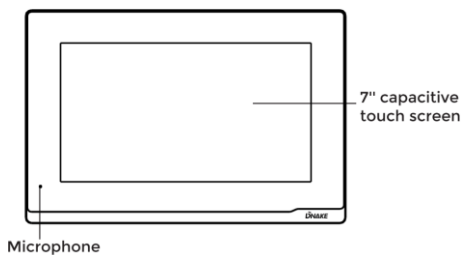


Quick Start Guide



Desktop Stand
(Optional)

OVERVIEW



BASIC OPERATION

1. Call

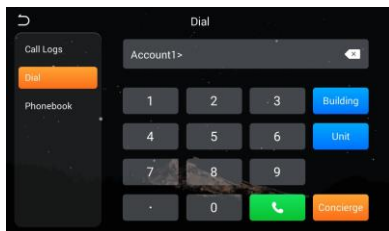
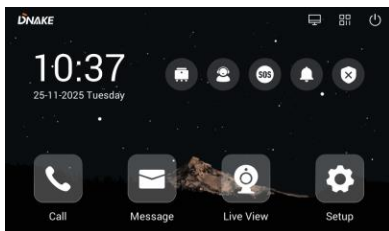
Go to Dial and enter Room Number or IP address or SIP address to call to device.

Room Number format: Building number + Building + Unit number + Unit + Room number + dial icon to call Indoor Monitor (such as 1 + Building + 1 + Unit + 1111 + Dial button).

IP address format: for example 192.168.68.103 + Dial button.

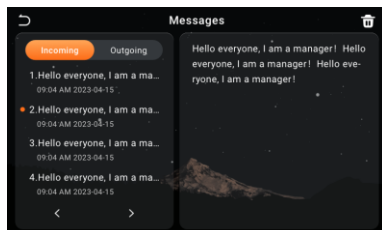
SIP address format: Account1/2> 10001 (SIP Number) + Dial button.

Or you can press Concierge here to call Master Station.

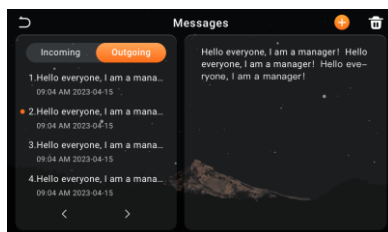


2. Message

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

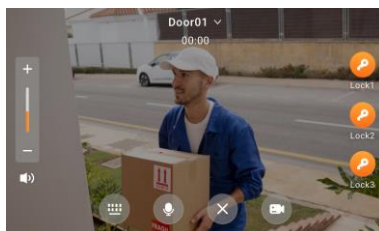
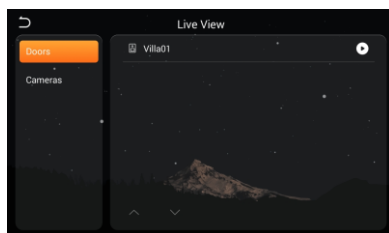
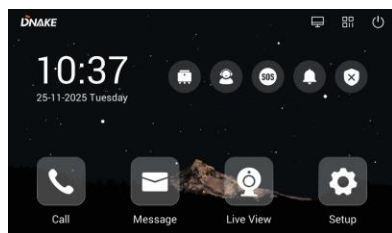


Click + icon on Outgoing page. Users can send message to Indoor Monitor or Master Station. Before sending message, users need to fill in the receiver's IP address on Indoor Monitor webpage (Concierge IP in Intercom > Call column).

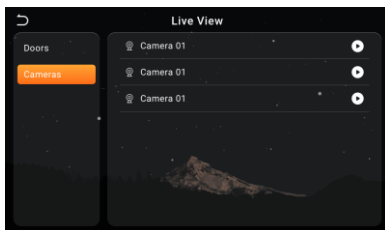


3. Live View

Click Live View icon on the homepage to view live video of Door Station or Cameras. In Doors live view you can unlock by clicking the unlock icon or switch to monitor other door stations.



In Camera tab, you can view the live view of IP camera in the list. For one monitor, it support connect 16 IP cameras in total.

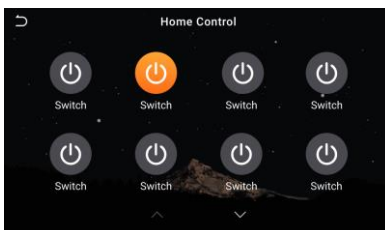
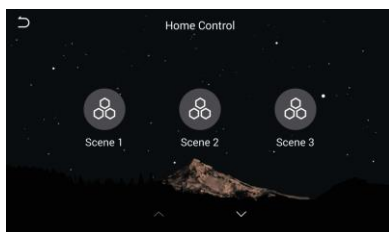
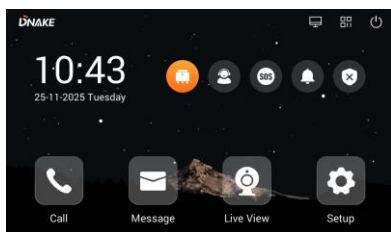


4. Relay Control

By pressing the  relay icon, can change the status of local relay or IP relay module or External Relay module. Also you can set manual scene in WEB page to trigger multiple relays one time.

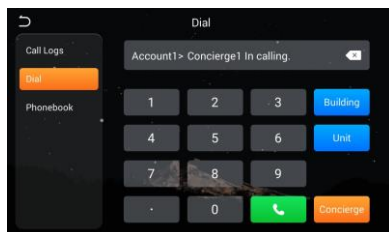
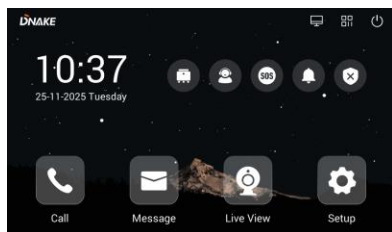
When connect IP Relay Module in same network, can control IP relays status from homepage.

You can set the work mode of local relay to Door Relay or Chime Bell in web page. When choose Door Relay mode, you can also set delay time and trigger time of relay.



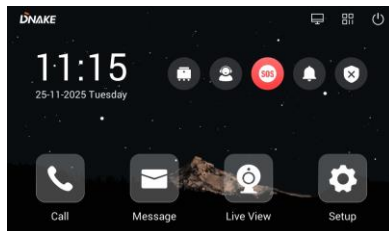
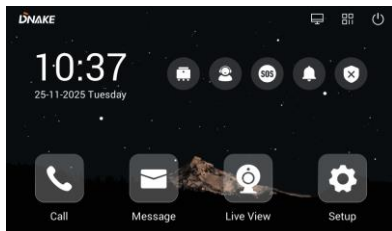
5. Concierge

Click  concierge icon in the screen to make quick call to Concierge and Property Manager Application.



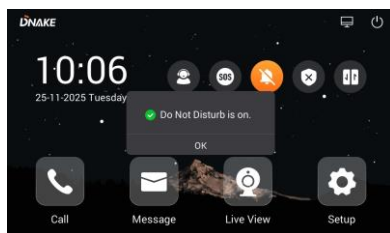
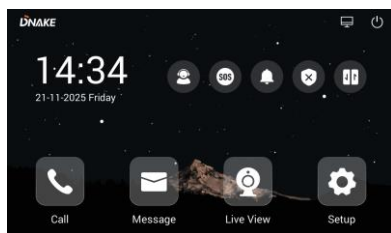
6. SOS

Users can press SOS icon on the right upper corner to send SOS to Master Station and mobile App. Users can set the trigger time length on the webpage. If the long-press time is set to 3 seconds, users need to hold the SOS icon for that duration before an SOS is sent, thus avoiding accidental triggers.



7. DND

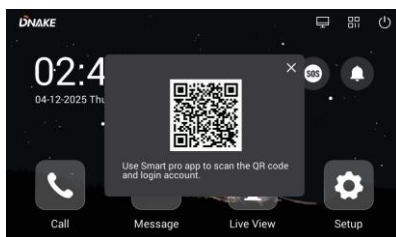
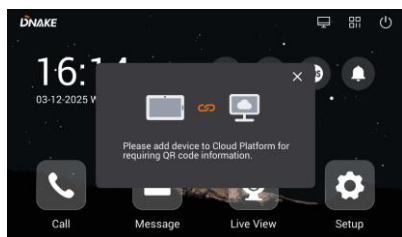
Click the  DND icon to enable do not disturb function to block all incoming call. Users can set DND to turn on whole day or a period of time.



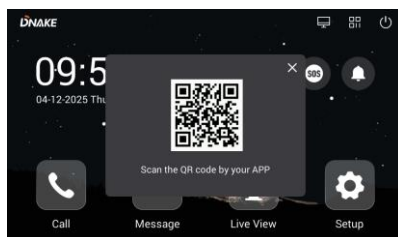
8. QR Code

Click  QR code icon in the right upper corner of homepage to display QR code for adding device.

Smart Pro APP: When device online in Cloud platform, uses Smart Pro APP to scan the QR code to register additional family users.

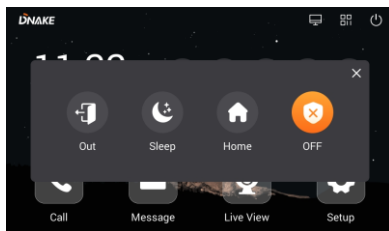
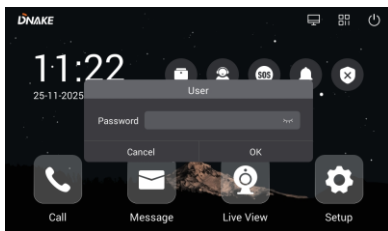


Smart Life APP: When Smart Life license is imported in monitor, uses Smart Life APP to scan QR code to add device to APP.



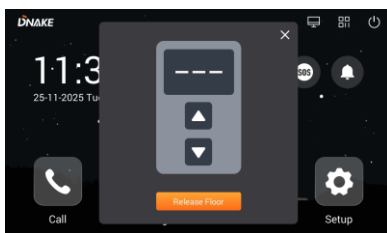
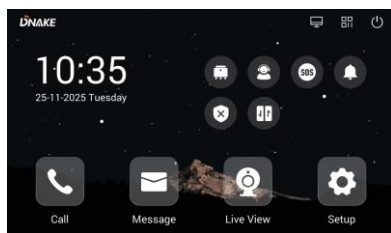
9. Security

Click the  Security icon in homepage and input default user password "1234" to choose security mode, activate correspond scene for alarm sensors.



10. Elevator

Press the  Elevator icon to release the floor button in elevator (DNAKE Elevator Control Module is needed).



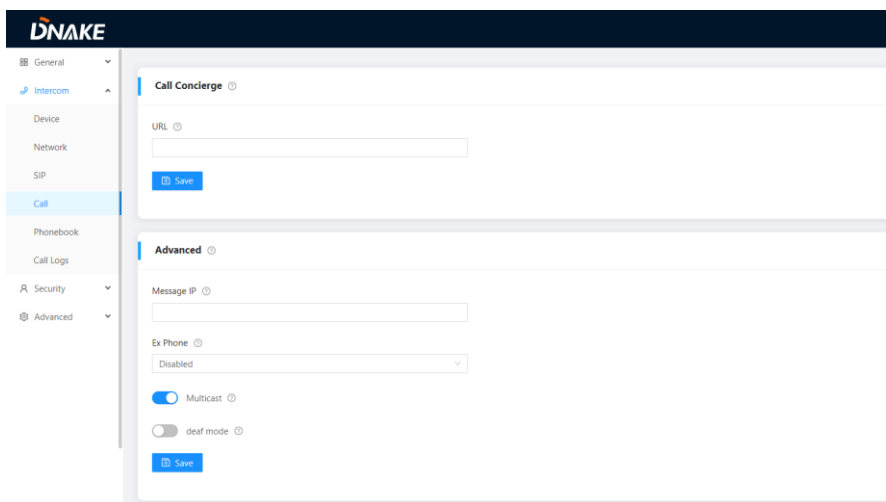
11. Add More Indoor Monitors

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.

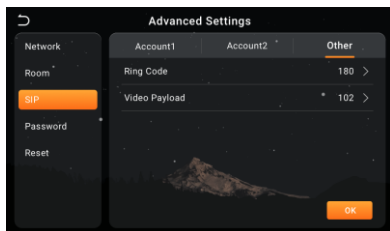
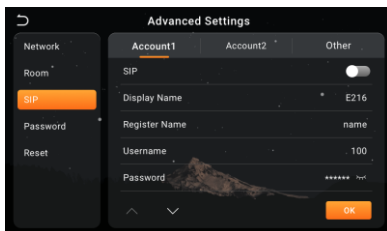
Users can directly extend to more Indoor Monitors by filling in sip:IP address (6 Max) such as sip:192.168.68.90. (Please refer to WEB SETTING for the way to access to webpage)



12. SIP Setting

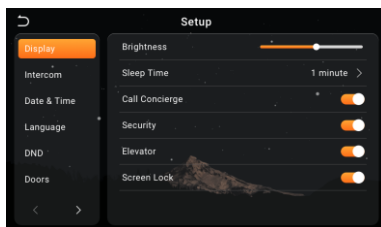
Users can directly configure SIP on the device's Setup > More > SIP page.

Device support 2 SIP account, when Dnake Cloud service enabled, SIP Account 1 will be occupied by Cloud service.



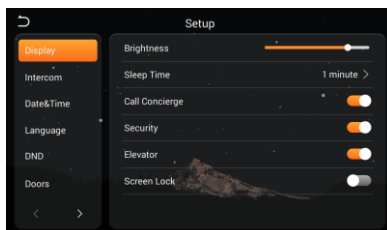
13. Screen Lock

Users can lock the screen by enabling Screen Lock on the device's Setup > Display page. The screen will be locked after the screen off timeout (Unlock password is the security password. The default password is 1234).



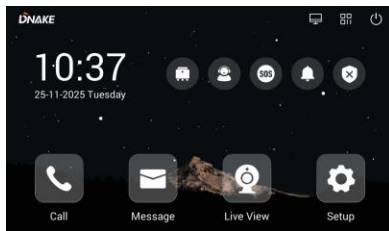
14. Editable Icons

In Setup -> Display page, users can choose whether to show Call concierge, Security, Elevator icons in home page.

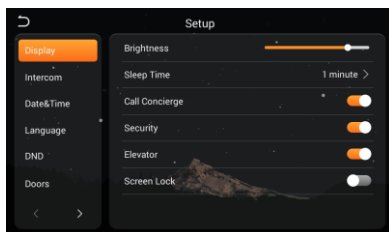


DEVICE SETTING

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

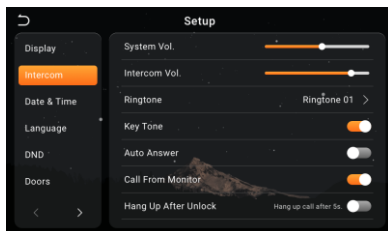


1. Display



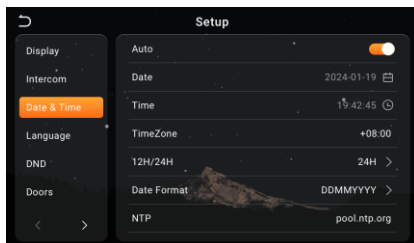
Brightness:	Screen brightness adjustment;
Sleep Time:	Screen sleep time (15s, 30s, 1min, 2mins, 5mins, 20mins, 30mins);
Call Concierge:	Enable to show the call concierge icon in homepage;
Security:	Enable to show Security icon in homepage;
Elevator:	Enable to show Elevator icon in homepage;
Screen Lock:	The screen will be locked after screen off timeout (Unlock password is security password. The default password is 1234);

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;
Call From Monitor:	Allow monitor to receive call from other monitor in same LAN;
Hang Up After Unlock:	Hang up call automatically after unlock relay 5 seconds later;

3. Date & Time



Auto:	Enable to synchronize computer time;
Date&Time:	Date and time can be set manually;
Time Zone:	A region that observes a uniform standard time;
12H/24H:	Select 12H or 24H format to display on the device;

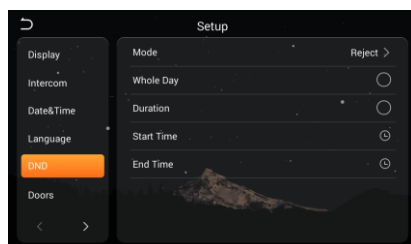
Date Format:	3 time formats supported (YYYY-MM-DD, DD-MM-YYYY, MM-DD-YYYY);
NTP:	Network Time Protocol (NTP) is a protocol used to synchronize NTP time;

4. Language



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, Український, فارسی, 日本語);
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5. DND

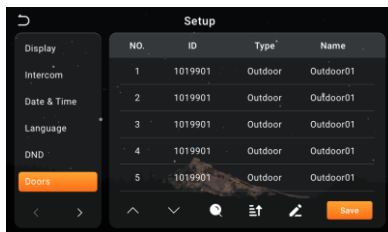


DND:	DND is disabled by default. Reject Mode: The device will reject calls and display a missed call record within the configured time Mute Mode: The device can receive calls but does not ring within the configured time.
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Duration: when DND is enabled, it will reject calls during this time.

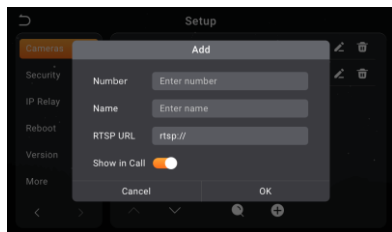
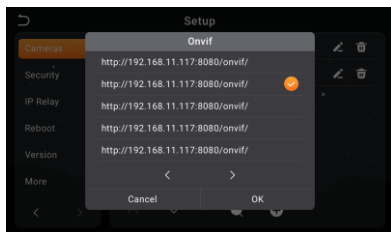
6. Doors

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



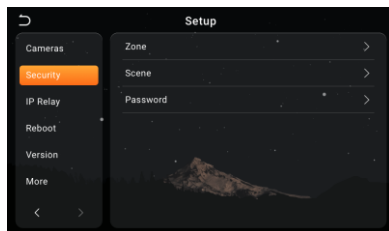
7. Cameras

Users can add IP cameras via ONVIF search or manually input RTSP address. After configuration, you can view the cameras in homepage. For one monitor, it support to add up to 16 cameras maximum.

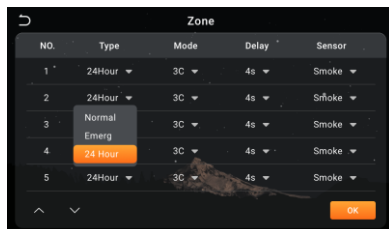


8. Security

Security is for sensors. The default password is 1234.



8.1. Zone

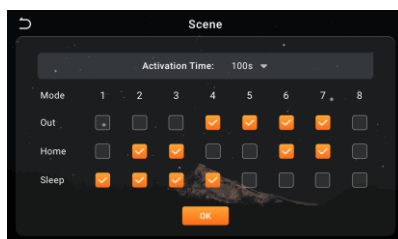


Type:

- 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);

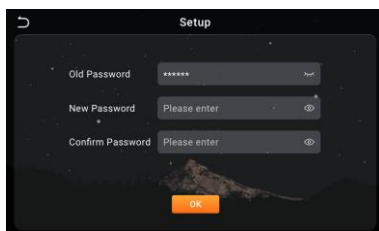
	• 24 Hour: Indoor Monitor will initiate an alarm and Master Station will also receive alarms. 24 hours standby even if the security is off (Smoke, Gas, Flood);
Mode:	• 3C: for the sensor with 2.2KΩ resistance; Regardless of the connection to NC or NO, the alarm can be triggered normally; • NO: normally 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);

8.2. 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;

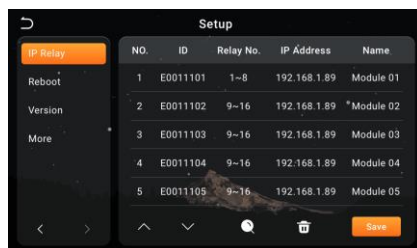
8.3. Password



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

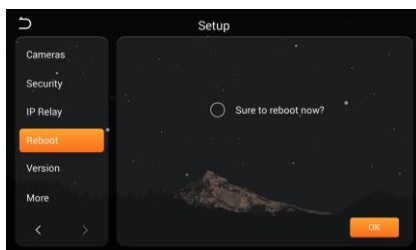
9. IP Relay

When there is a [RIM08](#) in same LAN, can search & config in the online relay module.

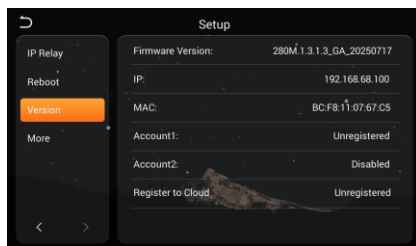


10. Reboot

Click to reboot device.



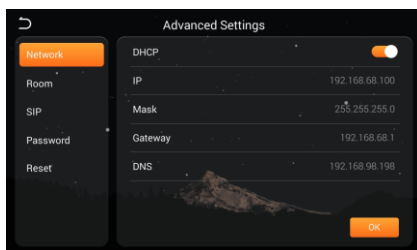
11. Version



Firmware Version:	Firmware version of the device;
IP:	Current IP address of the device;
MAC:	MAC address of the device;
Account1:	Status of SIP account1 registration of the device;
Account2:	Status of SIP account2 registration of the device;
Register to Cloud:	Status of Dnake Cloud platform registration of device;

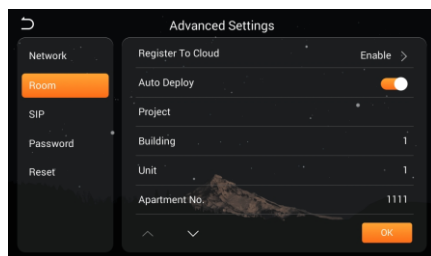
12. More > Network

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



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

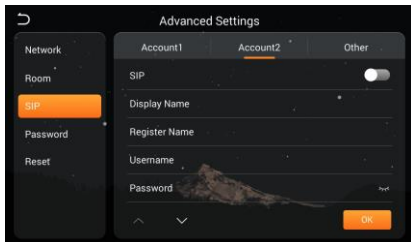
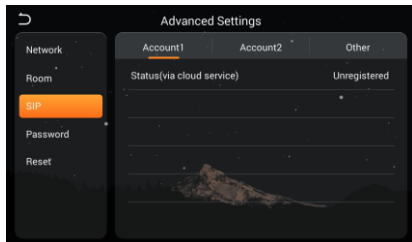
13. More > Room



Register To Cloud:	The Cloud function enable or disable;
Auto Deploy:	When enabled, device can auto register to Cloud platform by the Project ID.
Project:	Project ID of Cloud platform
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);

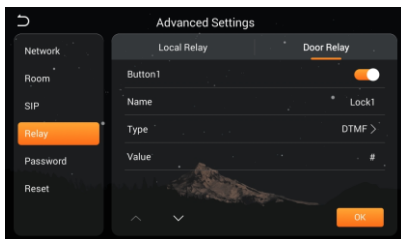
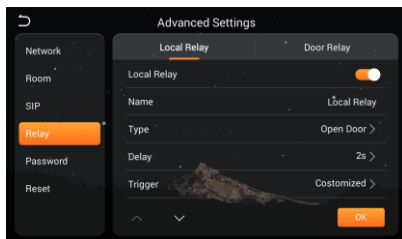
Device:	Number of the device (Range: 0-9);
Sync:	A number used to synchronize to other Indoor Monitors;

14. More > SIP



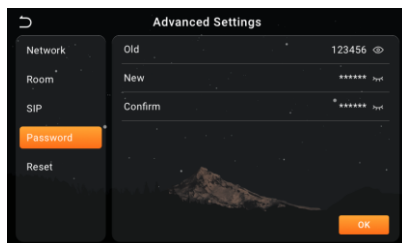
Account1:	When Cloud Service enabled, account1 will be occupied by Cloud SIP account.
Account2:	SIP account 2
SIP:	Enable to use SIP;
Display Name:	Display name of SIP account;
Register Name:	Register Name of SIP account;
Username:	Username of SIP account;
Password:	Password of SIP account;
SIP Server Host:	Directly fill in SIP server's address e.g., 192.168.68.90; The default port is 5060;
Outbound Proxy:	Outbound Proxy server; the default port is 5060;
Transport Protocol:	Transport Protocol (UDP, TCP, TLS);
Video Payload:	Video payload range is 96-127;

15. More > Relay



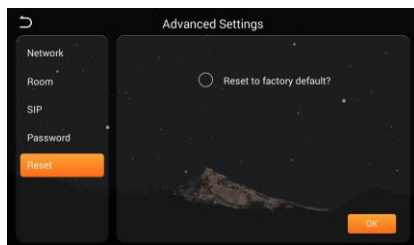
Local Relay:	Enable or disable the local relay in monitor;
Name:	Customize name of local relay;
Type:	Type of local relay (Open Door is for lock/Chime Bell is for doorbell);
Delay:	The length of unlock delay time (0-9s);
Trigger:	Trigger time of local relay (Customized time 0-9999s, or Continue)
Door Relay:	Unlock button during monitor communicate with door station;
Unlock Button 1-3:	Enable or disable relays for unlock buttons;
Name:	Customize name for unlock button;
Type-DTMF:	Device will send DTMF(Dual-tone multi-frequency) signal when unlock button pressed.
Type-HTTP:	Device will post the HTTP url for control relay via HTTP
Value:	DTMF valid value: String within 4 characters (0-9/ */#); HTTP value: HTTP url for control relay

16. 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;

17. More > Reset

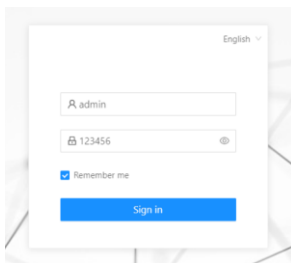


Reset:	Reset to factory default;
--------	---------------------------

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.

DNAKE

English

Help, admin

General

Information

Basic

Display

Time

Network

System

Intercom

Security

Advanced

Product

Model

E216

Firmware Version

280M1.3.2.7_GA_20251111

MAC Address

BCF81107F8A3

Framework

1.6.0-20251105

UI

1.0.0-20251111

Network

DHCP

Enabled

IP Address

192.168.68.102

Mask

255.255.255.0

Gateway

192.168.68.1

DNS

192.168.96.198

Device Manager Server

Register to Cloud

Disable

Node

N/A

SIP Account

Account1

None

Status

Disabled

Model:	Model of the device;
Firmware Version:	Firmware version of the device;
MAC Address:	MAC address of the device;
Framework:	Framework version of the device;
UI:	UI version 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;
Register to Cloud:	Status of Cloud registration of device
Node:	Cloud registration node
Account1:	SIP account1 of the device;
Status:	Status of SIP registration of the device;

1.2. General > Basic

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

General
Information
Basic
Display
Time
Password
System
Intercom
Security
Advanced

Language

Language
English
Language Name
Import File
Add Language
Save

Intercom

System Vol.
Intercom Vol.
Ringtone
Ringtone 1
Key Tone
Auto Answer
Call From Monitor
Hang Up After Unlock
Save

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, Український, فارسی, 日本語);
Add Language:	Except existing 19 languages, it support add a dditional 3 languages via importing language p ackage manually. Download en_US.ini template file from Web, m odify to new language then import to take effe ct in GUI.
System Vol:	Volume of System can be set from 1 to 6. Volu me 6 is the maximum volume (Key tone);
Intercom Vol:	Volume of Intercom can be set from 1 to 6. Volu me 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 receivin g a call;

Call From Monitor:	When enabled, device is allowed to receive calls from other indoor monitor
Hang Up After Unlock:	Automatically ends the call after unlocking.
DND:	DND is disabled by default, can be set to Reject mode or Mute mode. Reject: The device will reject calls and display a missed call record within the configured time. Mute: The device can receive calls but does not ring within the configured time. Whole Day: when DND is enabled, it will reject calls for the whole day. Duration: when DND is enabled, it will reject calls during this time.

1.3. General > Display

Some default settings for the GUI interface display of monitor.

Basic

Brightness



Sleep

1 min

Save

Shortcut Settings

Call Concierge

Security

Elevator

Save

Screen Lock

Screen Lock

Save

Wallpaper



Image resolution: 1024*600/800*480/480*272 (subject to the actual resolution of the device)

Image format: JPG, PNG

Image size: <512KB

Brightness:	The brightness of the screen;
Sleep:	Screen off timeout (15s, 30s, 1min, 2mins, 5mins, 10mins, 30mins);
Call Concierge:	Enable to display Concierge icon in homepage;
Security:	Enable to display Security icon in homepage;
Elevator:	Enable to display Elevator icon in homepage;
Screen Lock:	The screen will be locked after screen off time out (Unlock password is security password. The default password is 1234);
Wallpaper:	Upload a picture to apply it to the device UI. Please make sure the picture's resolution is the

same as the device's and the size of the picture should be lower than 512KB. The format of Picture should be JPG or PNG;

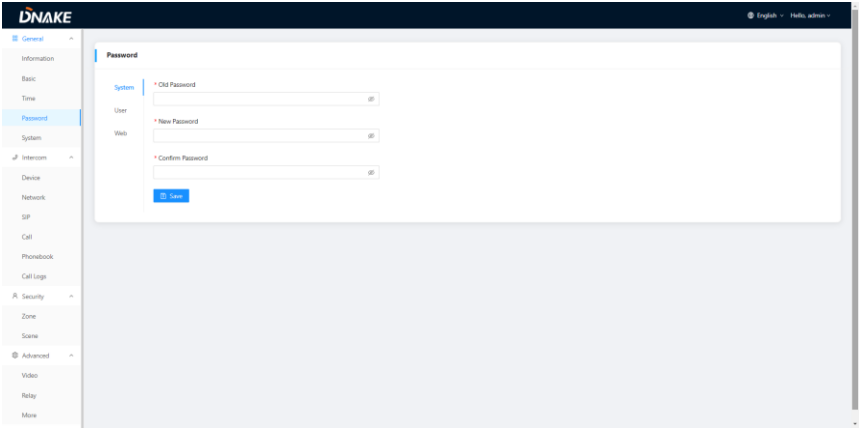
1.4. General > Time

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

1.5. General > Password

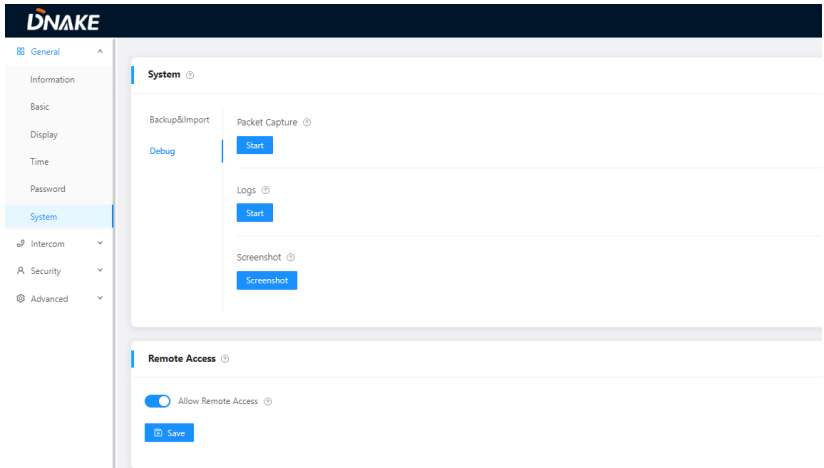
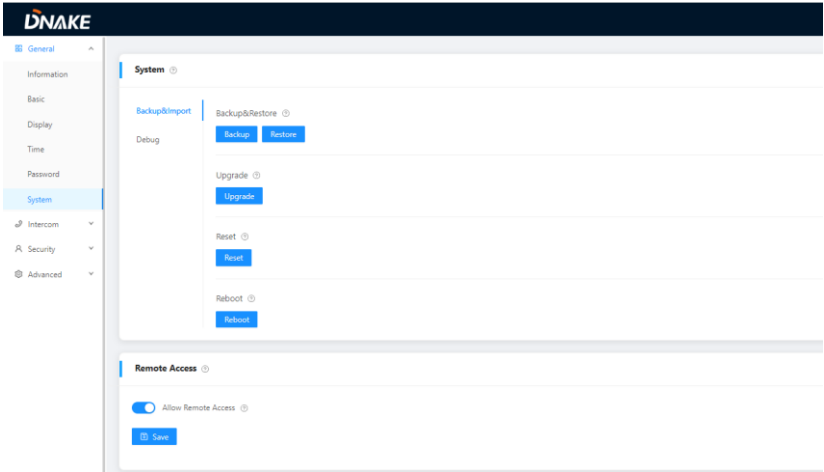
The System password is for the administrator to log in settings on the device while the Web password is for the administrator to log in settings on the web. The default password for both of them is 123456. User for Indoor Monitor is the security password whose default password is 1234.



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;
Packet Capture:	Capturing packets can help developers reproduce positioning problems;
Logs:	Device logs;
Screenshot:	Screenshot device interface;
Allow Remote Access:	Device can be remote access via Cloud platform access device webserver.

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.

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.

Save

2.2. Intercom > Network

The device network can be set to either DHCP or a static IP address. CMS parameters should be configured here when you try to register this device to CMS.

Display

Time

Password

System

Intercom

Device

Network

SIP

Call

Phonebook

Call Logs

Security

Advanced

Network

DHCP

IP Address

192.168.68.102

Mask

255.255.255.0

Gateway

192.168.68.1

DNS

192.168.98.198

Save

RTP Settings

Audio RTP Port

6000

Video RTP Port

6200

Save

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;

34

DNS:	Domain Name Server of the device;
Audio RTP Port:	Set the default audio RTP port, Valid values: 60 00~20000
Video RTP Port:	Set the default video RTP port, Valid values: 60 00~20000

2.3. Intercom > SIP

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

DNAKE

General

- Information
- Basic
- Display
- Time
- Password
- System
- Intercom
 - Device
 - Network
 - SIP**
 - Call
 - Phonebook
 - Call Logs
- Security
- Advanced

Account1

Status(via cloud service): Unregistered

Account2

☐ SIP

Display Name

Register Name

Username

Password

SIP Server Host * Port 5060

Outbound Proxy * Port 5060

* Registration Duration 1800

Transport Protocol UDP

☐ DNS SRV

Save

SIP: Enable to use SIP;

Account1:	Device support 2 account in total, when Cloud service enabled, account1 will be occupied by Cloud service.
Account2:	Account2 of 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;
Outbound Proxy:	Outbound Proxy server; the default port is 5060;
Registration Duration:	Registration duration of the device registers with the SIP server.
Transport Protocol:	Transport Protocol (UDP, TCP, TLS);
DNS SRV:	DNS Service Record when device register to SIP server.
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 ③

URL ⑨

Save

Advanced

Message IP ⓘ

Ex Phone ②

Disabled

☒ Multicast

☐ deaf mode ⓘ

Save

Settings ⓘ

Ring Time ⓘ

Call Time ②

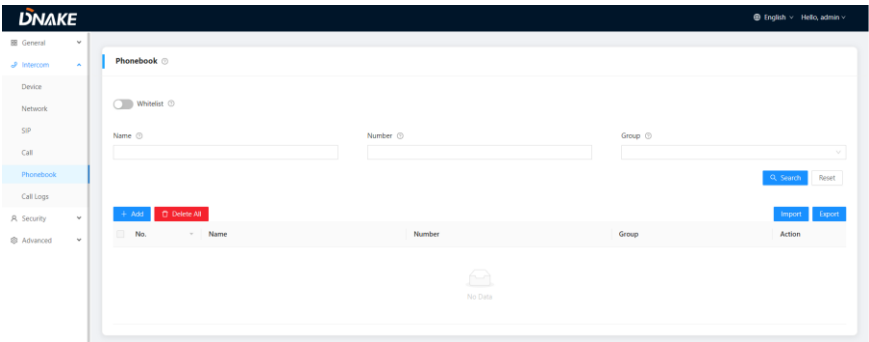
Save

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;
Message IP:	Fill in the message receiver's (Indoor Monitor or Master Station) IP address. The message edited on Indoor Monitor will send to this destination;
Ex Phone:	Extend to more Indoor Monitors by filling in sip:IP address (6 Max) such as sip:192.168.68.90 (6 Max);

Multicast:	Enable to receive broadcast from Master Station;
Deaf mode:	When enabled, device will ring when receiving an incoming call and output 12V voltage through the hardware interface(V+) to the external alarm at the same time.
Ring Time:	The ring will be ended automatically after a period of time (10s, 20s, 35s, 45s, 60s, 90s, 120s)
Call Time:	The call will be ended automatically after a period of time (120s, 300s, 600s, 1200s, 1800s);

2.5. Intercom > Phonebook

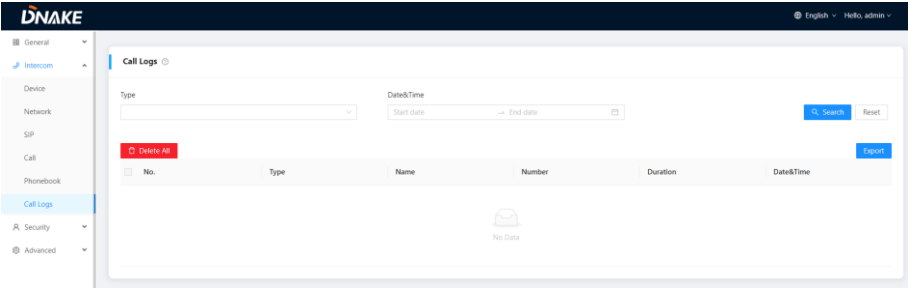
All contacts on Indoor Monitor can be edited here.



Whitelist:	Enable whitelist to block other calls out of the whitelist. For example, Ana is in the whitelist but Nyree isn't in it. Ana can call in while Nyree can't;
Search:	Fill in Name/Number/Group to search;
Reset:	Click reset to clear words in text inputs;
Add:	Click to add more contacts, support 3 types contact: Room No., IP address, SIP address;
Delete All:	Delete all data on the chart;
Import:	Bulk import contact data to the chart;
Export:	Export all contact data on the chart;

2.6. Intercom > Call Logs

All call logs can be checked here.

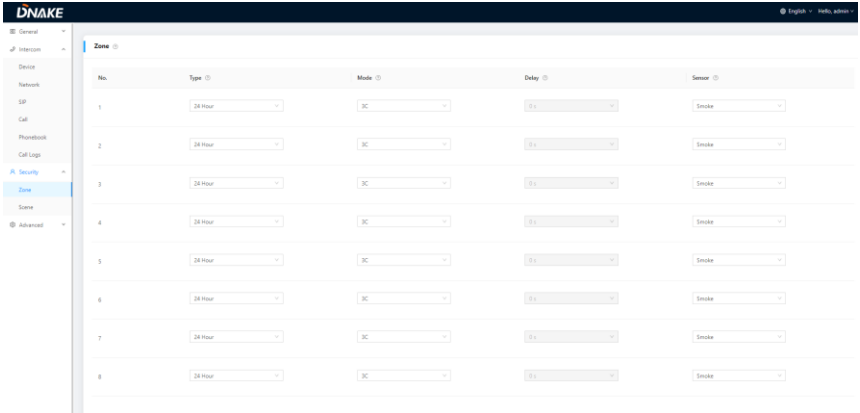


Search:	Fill in text inputs to search;
Reset:	Click reset to clear words in text inputs;
Delete All:	Delete all data on the chart;
Export:	Export all data on the chart;

3. Security

3.1. Security > Zone

Zone column is the setup page for security sensors.

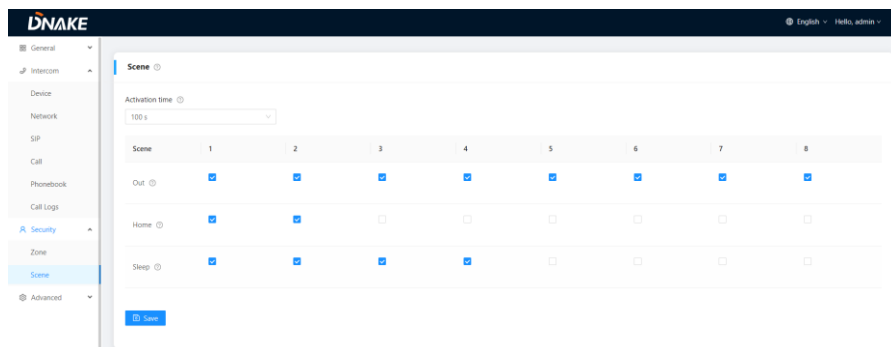


Type:	• Normal: When users enable an alarm scene on the On/Off page, Normal type alarm zone will be activated after activation time. ○ 100 seconds is the default activation time, it means the alarm will be activated after 100 seconds. ○ After 100s, once sensor is triggered, Indoor Monitor will send this 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 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

	ng 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 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;

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.

- General
- Intercom
- Security
- Advanced
- Video**
- Relay
- Doors
- Cameras
- More

Video

RTSP Feed

Disabled

Save

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

4.2. Advanced > Relay

Relay column is for config IP Relay, Local Relay and Door Relay. When you use Dnake [RIM08](#) Relay module, can manage the relay module in web page.

- General
- Intercom
- Security
- Advanced
- Video
- Relay**
- Doors
- Cameras
- More

Local Relay

Relay Type

Open Door

No.	Name	Zone	Delay	Trigger	Enabled
1	Local Relay 11 / 20	Name	2 s	Customized 1 s	☒

Save

External Relay

No.	Name	Zone	Delay	Trigger	Enabled
1	Relay 1(35483) 14 / 20	Name	2 s	Customized 1 s	
2	Relay 2(35483) 14 / 20	Name	2 s	Customized 1 s	

Save

IP Relay

No.	Name	Relay Type	Relay Detail	Zone	Delay	Trigger	Enabled
No Data							

Save

Manual Scene

No.	Name	Action
1	Scene 1	7:00
2	Scene 2	7:00
3	Scene 3	7:00

Save

Door Relay

Button1

Name

Lock1

Type

Chime

Value

1

Button2

Name

Lock2

Type

Chime

Value

0

Button3

Name

Lock3

Type

Chime

Value

1

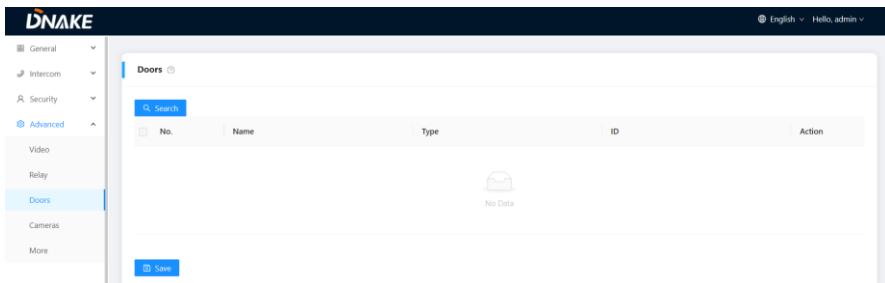
Save

Local Relay Type:	Type of local relay (Open Door is for lock/Chime Bell is for doorbell);
Local Relay-Zone:	Link with Security-Zone, when sensor triggered relay status will correspond change;
Local Relay-Delay:	The length of unlock delay time (0-9s);
Local Relay-Trigger:	Trigger time of local relay (Customized time 0-9999s, or Continue);
External Relay:	When connecting UM5-F19 RS485 relay module, can control external 2 relays of UM5-F19 module in homepage;
External Relay-Zone:	Link with Security-Zone, when sensor triggered relay status will correspond change;
External Relay-Delay:	Delay time of external relay (0-9s)
External Relay-Trigger:	Trigger time of external relay (Customized time 0-9999s, or Continue);
External Relay-Enabled:	Enable to allow this Relay display in homepage and can be control by click the button.

IP Relay:	Relays of RIM08 Relay Module;
IP Relay-Zone:	Link with Security-Zone, when sensor triggered relay status will correspond change;
IP Relay-Delay:	Delay time of IP relay (0-9s);
IP Relay-Trigger:	Trigger time of IP relay (Customized time 0-9999s, or Continue);
IP Relay-Enabled:	Enable or disable relay;
Manual Scene:	When configured, it allows user to trigger multiple relays simultaneously with a single click;
Manual Scene-Name:	Name of manual scene;
Manual Scene-Action:	Choose trigger which relays;
Door Relay:	Unlock button during monitor communicate with door station;
Unlock Button 1-3:	Enable or disable relays for unlock buttons;
Name:	Customize name for unlock button;
Type:	Unlock type: Local Relay/DTMF/HTTP
Type-Local Relay:	The relay in indoor monitor will be triggered
Type-DTMF:	Device will send DTMF(Dual-tone multi-frequency) signal when unlock button pressed. DTMF valid value: String within 4 characters (0-9/ */#)
Type-HTTP:	Device will post the HTTP url for control relay via HTTP

4.3. Advanced > Doors

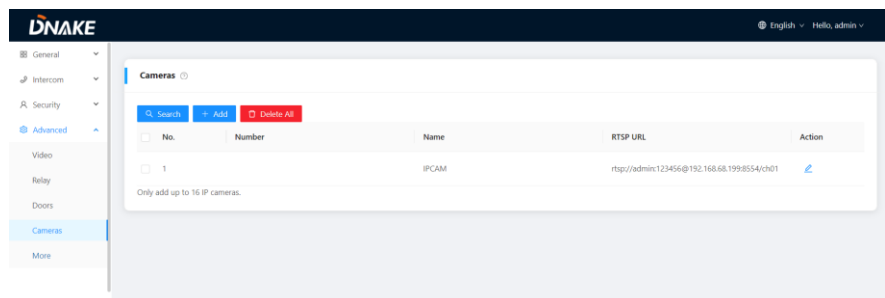
You can search and edit the door station list of monitor.



Search:	Click to search the door stations in same LAN;
Name:	Customize name of door stations;
Type:	Type of door station (villa, door, gate);
ID:	The ID of door station;
Action:	Click to edit the name of door station;

4.4. Advanced > Cameras

You can config IP camera with Name and RTSP url, or search it via ONVIF.

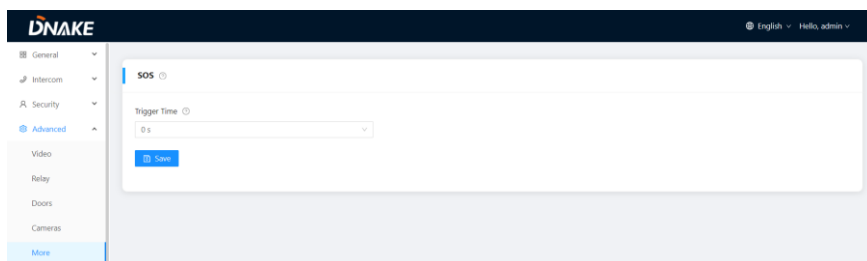


Number:	IP or SIP address of incoming call device;
Name:	Customize name of IPC;
RTSP URL:	Fill in IPC's RTSP stream;
Action:	Click to edit configurations of camera;
Search:	Click to search the IP camera in same LAN via ONVIF;
Add:	Add cameras by fill in name and RTSP url of camera;

Show in Call:	When this feature is enabled, incoming calls from the IP/SIP address configured in Number will trigger the IPC video to be displayed during the call.
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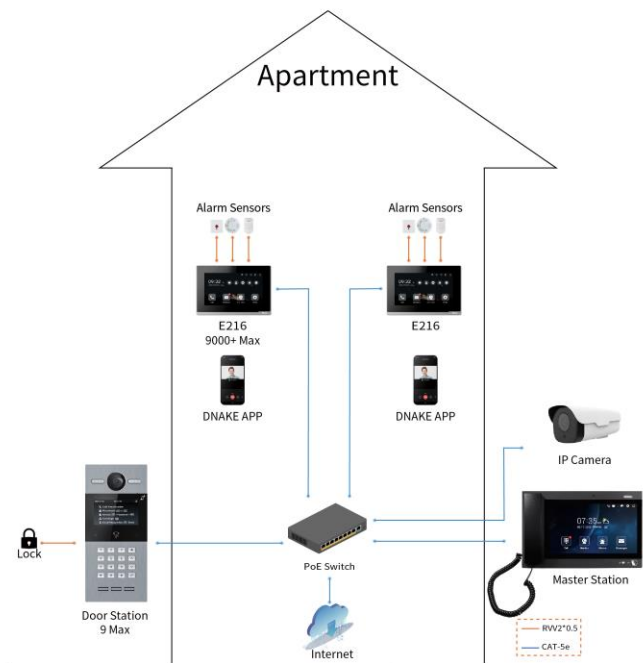
4.5. Advanced > More

More column is for SOS.

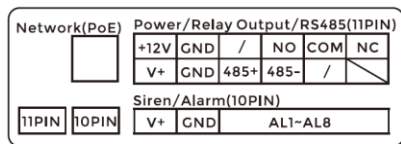


SOS:	Trigger Time can be set to 0s and 3s. If the time is set to 3s, users need to press the SOS icon for 3s to send out SOS in case of a wrong operation alarm.;
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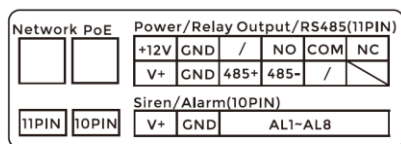
SYSTEM DIAGRAM



DEVICE WIRING



Single Port

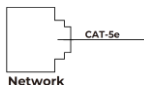


Dual Port

1. Network (PoE)

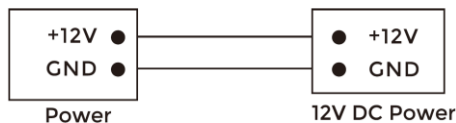
Standard RJ45 interface is used to be connected to the Master Station, Indoor Monitor and/or other network equipment.

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.

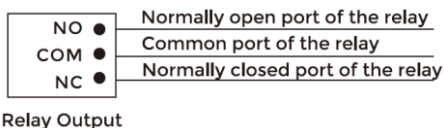


2. Power

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

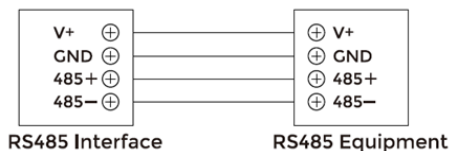


3. Relay Output



4. RS485

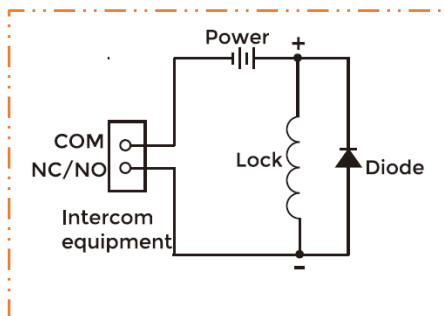
Enable to connect equipment with RS485 interface. RS485 interface can output 12V/100mA power supply. If RS485 equipment to be connected doesn't require the power supply, there is no need to connect to +12V.



⚠ Warning!

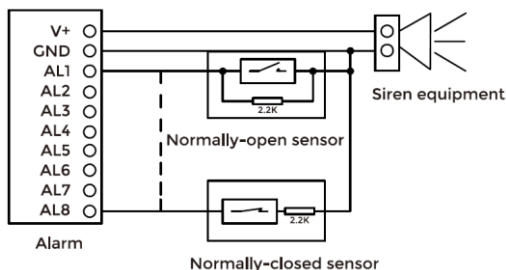
1. When connecting to an inductive load device such as a relay or electromagnetic lock, you are recommended to use a diode 1A/400V (included in the accessories) in anti-parallel with the load device to absorb inductive load voltage peaks. The intercom will be better protected in this way.

2. The load current of the relay cannot be greater than 2A. See attached picture for more details.



5. Siren/Alarm

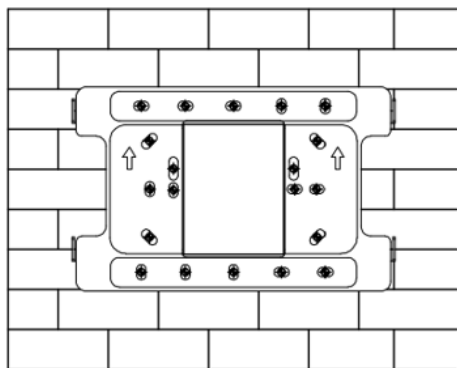
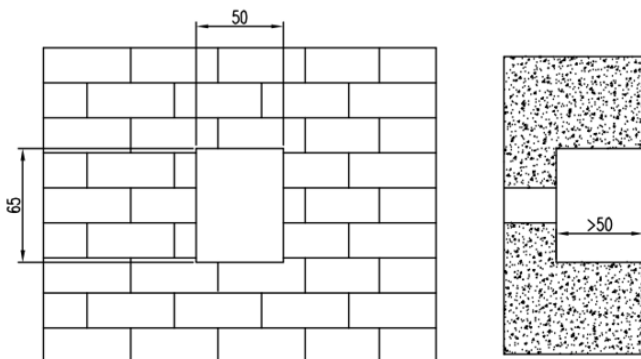
Interface of alarm zones connects with normally-open or normally-closed switch. When the alarm zone is triggered, it will output 12V/100mA power.



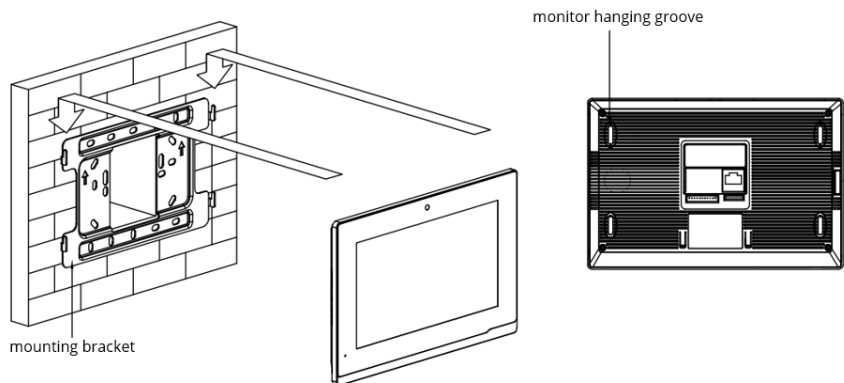
INSTALLATION

Surface Mounting

Cut-out dimension for surface mounting box (Unit : mm)



Align the square hole in the center of the wall-mount bracket with the wall cut-out, then pick one hole from each of the upper and lower rows on the bracket and drive screws to secure it.

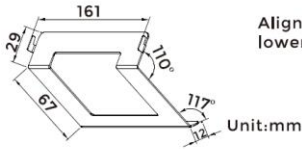
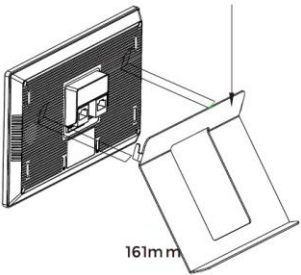


Align the 4 slots on the back of the monitor with the 4 hooks on the back hanger and insert them downwards.

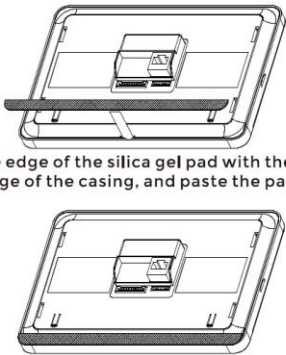
Product size: 195 × 130 × 14.5 mm

Desktop Mounting

Assemble the hooks on two sides of the bracket into the groove on the rear cover.

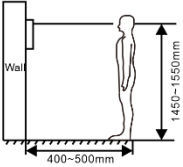


Align the edge of the silica gel pad with the lower edge of the casing, and paste the pad.



Product size: 195 × 130 × 14.5 mm

Tips:



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

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.
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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 floppover or damage to the device.
- Please be careful when standing up from the area under the device.
- Do not disassemble, repair or modify the device at your own discretion.

- The arbitrary modification is not covered under warranty. When any repair required, please contact the customer service center.
- If there is abnormal sound, smell or fume in the device, please unplug the power cord immediately and contact the customer service center.
- When the device isn't used for a long time, the adaptor and memory card can be removed and placed in dry environment.
- When moving, please hand over the manual to new tenant for proper usage of the device.

**EASY & SMART
INTERCOM SOLUTIONS**