



# **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 8 IP cameras

# **TECHNICAL PARAMETER**

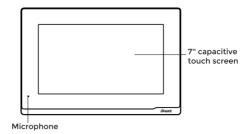
System: Linux RAM: 64 MB ROM: 128 MB Front Panel: Plastic Power Supply: PoE (802.3af) or DC 12V/2A Standby Power: 1.5 W Rated Power: 9 W Ethernet Port: 1 x RJ45, 10/100 Mbps adaptive Resolution: 1024 x 600 Working Temperature: -10°C to +55°C Storage Temperature: -40°C to +70°C Working Humidity: 10% to 90% (non-condensing)

# PACKAGE CONTENT

# MODEL: E216

Town				9
E216	Wiring Cover	PM4×20 (2 pcs)	Diode (8 pcs)	Wires
NOR NOR NOR NOR NOR NOR NOR NOR NOR NOR	$\mathbf{Q}$			
Quick Start Guide	Desktop Stand (Optional)			

# **OVERVIEW**



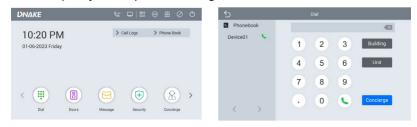
# E216 Overview



# **BASIC OPERATION**

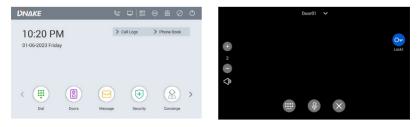
#### 1. Call

Go to 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.



#### 2. 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.



#### 3. Message

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

DNAKE		5 Messages
10:20 PM 01-06-2023 Friday	Call Logs > Phone Book	Incoming Outgoing
<		~ ~ <b>ū</b>

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).



### 4. DND

Click DND icon on the right upper corner to enable do not disturb function. No calls can call in. Users can set DND to turn on whole day or a period of time.



#### 5. Cameras

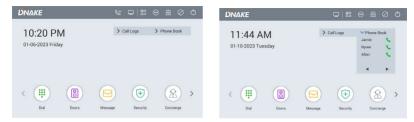
On the 2<sup>nd</sup> homepage, click Cameras. Up to 8 IPC can be added. Users need to log in Indoor Monitor's webpage with account (user) and password (1234) to fill in cameras' RTSP. You can switch to monitor other devices by clicking arrow or the

name above. You can also add more cameras by clicking the icon on the right upper corner.



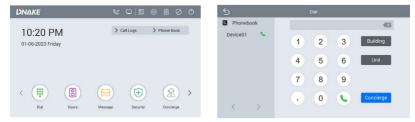
#### 6. Phonebook

Click phone Book.



Or go to Dial > Phonebook. Select the name on the phonebook and press dial

button to call.



# 7. QR Code

Click QR Code and scan by Smart Life 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.



# 8. 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

NO.	Туре		Mod	le	Del	ау	Senso	r
1	24 Hour	•	ЗC	•	0s	•	Smoke	,
2	24 Hour	•	3C	•	0s	•	Smoke	,
3	24 Hour	•	3C	•	0s	•	Smoke	,
4	24 Hour	•	3C	•	0s	•	Smoke	,

Туре:	<ul> <li>Normal: When users enable an alarm scene on the On/Off page, Normal type alarm zone will be activated after activation time.</li> </ul>
	<ul> <li>be activated after activation time.</li> <li>100 seconds is the default activation time, it means the alarm will be activated after 100 seconds.</li> <li>After 100s, once sensor is triggered, Indoor Monitor will send this alarm to Master Station.</li> <li>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);</li> <li>Emergency: once Panic button is triggered, Indoor Monitor will not initiate an alarm and only Master Station will receive alarms</li> </ul>
	<ul> <li>secretly; 24 hours standby even if the security is off (Panic, Pull Cord);</li> <li>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);</li> </ul>
Mode:	<ul> <li>3C: for the sensor with 2.2KΩ resistance; Regardless of the connection to NC or NO, the alarm can be triggered normally;</li> <li>NO: normally open;</li> <li>NC: normally closed;</li> <li>BELL: in BELL mode, Master Station will not receive any alarm. Indoor Monitor is regarded as a doorbell receiver;</li> </ul>
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. Setup

5	Setup			
Password	Old			
	New			
	Confirm			
		ОК		

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

# 9. Concierge

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



### 10. Elevator

Press the Elevator icon to control 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.

5		Advanced Settings
Network	Building	1
Room	Unit	1
SIP	Apartment No.	1112
Password	Device	0
Reset	Sync	527642
		ОК

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)

DNAKE	8	English 🗸 Hello, admin 🗸
E General A		
Information	Call Concierge	
Basic	URL	
Time		
Pessword	1 Sas	
System		
J Intercom A	Advanced	
Device	Advanced	
Network	Multicat	
SIP	Concleage IP	
Call		
Phonebook	Ex Phone	
Call Logs	Dualies v	
A security ^	(3) Saw	
Zone		
Scene	Settings	
Ø Advanced ^		
Video	Bag line	
Relay	353 4	
More	Col Time 200 s	

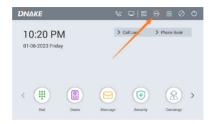
#### 12. SIP Setting

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

SIP	۲	
Display Name	3006	
Register Name	3006	
Username	3006	
Password	****	
	~ ×	ОК
	Display Name Register Name Username	SP   Dicplay Name  3006  Dicplay Name  3006  Usemame  3006  Vsemame  3006  Vsex  Name  Xex  Xex  Xex  Xex  Xex  Xex  Xex  X

#### 13. SOS

Users can press SOS icon on the right upper corner 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.



### 14. Screen Lock

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



# **DEVICE SETTING**

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



1. Display

5	Setup	
Display		
Intercom	Brightness	-0
Date & Time	Sleep Time 1 minute 🔻	
Language	Screen Lock	
DND		
Doors		
Version		
More		

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

# 3. Date & Time

5		Setup			
Display					
Intercom	Auto				
Date & Time	Date	2023-01-03	Time	14:26:30	
Language	TimeZone	+08:00			
DND	12H/24H	12H 🔻			
Doors	Date Format	MMDDYYYY 🔻			
Version	NTP	pool.ntp.org			
More					

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

>	
isplay	
	简体中文
tercom	English
ate & Time	繁體中文
anguage	עברית
	Deutsch
ND	Español
oors	Türkçe
ersion	Tiếng Việt
ore	~ ~

Language:	16 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);

# 5. DND

5	Setup
Display	
Intercom	
Date & Time	Whole Day
Language	Duration
DND	Start Time End Time
Doors	
Version	
More	

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

#### 6. Doors

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

5				
Display	NO.	ID	Туре	Name
Intercom	1	15159901		Door01
Date & Time	2	15159902		Door02
Language	3	15159903		Door03
DND	4	15159905		Door05
Doors				
Version				
More	^	~ ©	<b>X</b> T=	🖉 Save

# 7. Version

5	Setup	
Display		
Intercom	Firmware Version	280M.1.1.2.15_GA_20221227
Date & Time	IP	192.168.0.106
Language	MAC	70:69:79:E0:0B:1E
DND	SIP	Success
Doors		
Version		
More		

Firmware Version:	Firmware version of the device;
IP:	Current IP address of the device;
MAC:	MAC address of the device;
SIP:	Status of SIP registration of the device;

# 8. More > 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.

5		
Network	DHCP 🔘	
Room	IP 192.168.68.91	
SIP	Mask 255.255.255.0	
Password	Gateway 192.168.68.1	
Reset	DNS 8.8.8.8	
	CMS IP 192.168.68.1	
	Password ******	ОК

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;
CMS IP:	Server address of CMS;
Password:	Password you set for this device's CMS registration;

# 9. More > Room

Building	1
Unit	1
Apartment No.	1112
Device	0
Sync	527642
	ок
	Building Unit Apartment No. Device

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;

#### 10. More > SIP

5		
Network	SIP 🔘	
Room	Display Name 3006	
SIP	Register Name 3006	
Password	Username 3006	
Reset	Password ****	
	~ <b>v</b>	OK

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;

# 11. More > Password

5	Advanced Settings
Network	Old
Room	New
Password	Confirm
Reset	
	ок

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;

### 12. More > Reset

5	Advanced Settings	
Network		
Room		
SIP		
Password	Reset to factory default?	0
Reset		
		ОК

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 v Helio, admin v
8 General ^					
Information	Product				
Basic	Model	Firmware Version		MAC Address	
Time	E216	280M.1.1.2.10_GA_20221214		70:69:79:E0:0B:1E	
Password	Framework	u			
System	1.6.0 20221109	1.0.0 20221214			
a Intercom ^					
Device	Network				
Network	DHCP	IP Address		Mask	
SP	Enabled	192.168.0.105		255.255.255.0	
Call		DNS			
Phonebook	Gateway 192.168.0.1	192.168.98.198			
Call Logs					
A Security ^	SIP Account				
Zone					
Scene	Account 5001		Status Register Success		
Advanced ^					
Video	CMS IP		Status		
Relay	192.168.68.1		Disabled		
More					

I: Model of the device;	
Firmware version of the device;	
MAC address of the device;	
Framework of the device;	
UI of the device;	
Status of DHCP;	
Current IP address of the device;	
Subnet mask of the device;	
Gateway of the device;	
Domain Name Server of the device;	
SIP account of the device;	
Status of SIP registration of the device;	
IP address of CMS;	
Status of CMS registration;	

# 1.2. General > Basic

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

DNAKE		
Morent + *		
Manufact	Display	
Ref.	Jugines.	
200		
Passanni	Seq	
Spalares	Tele	
diama a	CID form lab	
Desion	(0.5ee)	
heads		
92		
CH.	Language	
Prevaluest	Linguige	
Call Steps		
A Sector 4	(3) See	
2mi		
law.		
O Adventer -	Intercom	
Union	Gamer Vel.	
heley		
Mare	Marcon MA	
	Texture	
	Tangson i	
	C fayles	
	C Ante Annuer	
	(B law)	
	DND	
	@ Dualmed	
	hhole Day     Dention	
	O See	

Brightness:	The brightness of the screen;	
Sleep:	Screen off timeout (15s, 30s, 1min, 2mins, 5min	
	s, 10mins, 30mins);	
Screen Lock:	The screen will be locked after screen off timeout	
	(Unlock password is security password. The def	
	ault password is 1234);	
Language:	16 languages supported (简体中文, English, 繁體	
	中文, עָבַרִית, Deutsch, Español, Türk, Tiếng Việt,	
	Nederlands, Português, Polski, Русский, عربی, Fr	
	ançais, Italiano, slovenský);	
System Vol:	Volume of System can be set from 1 to 6. Volum	
	e 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 receiving	
	a call;	
DND:	DND is disabled by default.	
	Whole Day: when DND is enabled, it will reject	
	calls for the whole day.	
	Duration: when DND is enabled, it will reject calls	
	during this time.	

# 1.3. General > Time

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

DNAKE		Ø English ⊻ Helo, admin ⊻
E General A		
Information	Time	
Basic	Ado (Timo)	
Time		
Password	* Oktobiline 2020-12-10 13:00:22	
System	* NTP VIIL	
J intercom A	pecingang	
Device	Tine Zone	
Network.	UTC-9803 V	
5 P	12((24)	
Cal	128 🗸	
Phonebook	Dele format	
Call Logs	MM-CD-PWY v	
A Security A	B see	
Zone		
Scene	Daylight saving Time	
& Advanced A		
Video	C Darightsaing Tine	
Relay	SatTire	
More		
	End Time April v Freit v Sureau v 100	
	Other line	
	R See	

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);	
Daylight-saving Time:	Enable to set DST;	
Start Time:	The beginning of DST;	
End Time:	The ending of DST;	
Offset Time:	The default value is 60 minutes;	

# 1.4. General > Password

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

DNAKE	•	glish 🐇 Hello, admin 🗸
88 General A		
Information	Password	
Basic	System * Old Password	
Time	ø	
Password	User * New Password	
System	Web Ø	
al Intercom	* Confirm Resourced	
Device	ø	
Network	(i) Saw	
SIP		
Call		
Phonebook		
Call Logs		
A Security ^		
Zone		
Scene		
Advanced ^		
Video		
Relay		
More		

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 (Defau	
	lt 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 (Def ault 123456);	
Web New Password:	New administrator password of the web;	
Web Confirm Password:	Confirm administrator password of the web;	

# 1.5. General > System

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

DNAKE		English v Hello, admin v
🖩 General 🔷 🔿		
Information	System	
Basic		
Time	Backap&Import Packet Capture	
Password	Debug	
System	logs	
a Intercom	Start	
Device		
Network	Screenshot	
SIP	Screenhot	
Call		
Phonebook		
Call Logs		
A Security ^		
Zone		
Scene		
Advanced		
Video		
Relay		

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 reproduc e positioning problems;
Logs:	Device logs;
Screenshot:	Screenshot device interface;

### 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.

<b>Ο</b> ΝΛΚΕ		English v 1
B General ^		
Information	Device	
Basic	* Building ()	
Time	1	
Password	* Ueit ①	
System	1	
Intercom e	* Room 🔘	
Device	1111	
Network	* Device No. 🕥	
SIP	0	
Call	* Sync	
Phonebook	527642	
	(D) Save	
Call Logs		
A Security ^		
Zone		
Scene		
Advanced ^		
Video		
Relay		
More		

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. CMS parameters should be configured here when you try to register this device to CMS.

ΝΛΚΕ		
1 ÷		
ion	Network	
	Dirtz	
d	• IP Address	
	192 168 68 91	
an •	* Mark	
	« Gateway	
ork		
	+016	
look	B Serve	
^	Register To CMS	
	CIII CAS	
ed ^	*CMSIP	
	192 . 168 . 66 . 1	
	+ Password	
	B Size	

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;
CMS:	Enable to use CMS software to manage devices;
CMS IP:	Server address of CMS;
Password:	Password you set for this device's CMS registrati on;

# 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			
E General ^			
Information	SIP		
Basic	<b>5</b> 0		
Time			
Persword	Display Name 5001		
System			
	Register Name		
J intercom A	5001		
Device	* Usemame		
Network	5001		
519	+ Password		
Call			
Phonebook			
Call Logs	* SIP Server Host 222.76.245.60	* Port ©	
	Outbound Proxy	+ Fort®	
Zone		5560	
Scene	Transport Protocol		
Advanced ^	UDP ~		
Video	+ Ring Code		
Relay	180 ×		
More	* Video Payload 🕢		
How .	102		
	(B) Save		

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:	SIP Server domain or IP address; the default por
	t is 5060;
Outbound Proxy:	Outbound Proxy server; the default port is 5060;
Transport Protocol:	Transport Protocol (UDP, TCP, TLS);
Ring Code:	Ring code. Without SDP or with (180 or 183);
Video Payload:	Video payload range is 96-127;

# 2.4. Intercom > Call

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

DNAKE			© English ⊻ Hells, admin ⊻
80 General A			
Information	D	Call Concierge	
Basic		URL	
Time			
Pasoword		(D) Save	
System			
J Intercom A			
Device		Advanced	
Network		Multicaet	
SIP		Concience IP	
Call			
Phonebook		Ex Phone	
Call Logs		Disabled	
A security ^		(1) Save	
Zone			
Scene	1	Settings	
Ø Advanced ^	1		
Video		Ring Time	
Relay		351	
More		Call Time	
		300 s v	
		(B) Save	

	-
Call Concierge URL:	Fill in any device's IP address. The concierge ico n or button will be directed to this destination;
Multicast:	Enable to receive broadcast from Master Station;
Concierge 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 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.

DNAKE						English v Helio, admin v
E General ^						
Information	Phonebook					
Basic	Whitelist					
Time	Name		Number		Group	
Password						
System						Q. Search Reset
lintercom 💦 🗠						
Device	+ Add O Delete	NI -				Import Export
Network	No.	- Name		Number	Group	Action
SIP	0.1	Device01		sip:777191426@192.168.2.106.5060	Phonebook	2
Call						< 1 >
Phonebook						
Call Logs						
R Security ^						
Zone						
Scene						
B Advanced ^						
Video						
Relay						
More						

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

# 2.6. Intercom > Call Logs

All call logs can be checked here.

DNAKE						English ∨ Helio, adm
B General ^	-					
Information	Call Logs					
Basic	Туре		Date&Time			
Time						Q, Search Rese
Password						
System	Delote All					Expe
Intercom •	No.	Туре	Name	Number	Duration	Date&Time
Device						
Network						
SIP				No Data		
Call						
Phonebook						
Call Logs						
Security ^						
Zone						
Scene						
Advanced o						
Video						
Relay						
NDay						

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.

					₿ Ergish ∨ Helo, admin ∨
Information	Zone				
Besic Time	No.	Туре	Mode	Delay	Sensor
Password System	1	24 Hour V	30		Smoke V
Intercom ^ Device	2	24 Hour. V	× 28		Sreake V
Network 512	3	24 Hour 🔗	36 V		Smoke
Call Phonebook Call Logs	4	24 Hour 🗸 🗸	3C V		Smoke V
Security A	3	24 Hour 🗸	3C V		Smoke 🗸
Scene Advanced ^	6	24 Hour 🗸	3C V		Smoke V
Video Relay	7	24 Hour 🔗	3C V		Smoke V
More	8	24 Hour 🔗	3C ×		Smoke Y
	(1) Save				

Туре:	<ul> <li>Normal: When users enable an alarm scene on the On/Off page, Normal type alarm zone will be activated after activation time.</li> <li>100 seconds is the default activation time, it means the alarm will be activated after 100 seconds.</li> <li>After 100s, once sensor is triggered, Indoor Monitor will send this alarm to Master Station.</li> <li>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);</li> <li>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);</li> <li>24 Hour: Indoor Monitor will also receive alarms. 24 hours standby even if the security is off (Smoke, Gas, Flood);</li> </ul>
Mode:	<ul> <li>3C: for the sensor with 2.2KΩ resistance; Regardless of the connection to NC or NO, the alarm can be triggered normally;</li> <li>NO: normally open;</li> <li>NC: normally closed;</li> <li>BELL: in BELL mode, Master Station will not rec eive any alarm. Indoor Monitor is regarded as a doorbell receiver;</li> </ul>
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.

DNAKE									English v Helio, admin v
E General ^									
Information	Scene								
Basic	Activation time								
Time	100 s								
Password System	Scene	1	2	3	4	5	6	7	8
lintercom ^	Out								
Device Network	Home					•			
SIP Call	Sleep								
Phonebook									
Call Logs	III Save								
Security ^									
Zone									
Scene									
Advanced ^									
Video									
Relay									
More									
	٨		<b>-</b>	<u> </u>	<i>a i</i>				

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.

DNAKE		Binglish v Hello, admin v
🗟 General 🔷 ^		
Information	Video	
Basic	RISP Feed	
Time	1 v	
Password	* URL	
System		
	III Srite	
Device		
Network		
SIP		
Cull		
Phonebook		
Call Logs		
Zone		
Scene		
Advanced ^		
Video		
Relay		
More		
	RTSP Feed: Fill in the IP camera stream URL here.	

### 4.2. Advanced > Relay

Relay column is for Local Relay and Door Relay.

DNAKE			English Y Hello, admin Y
B General ^	2 · · · · · · · · · · · · · · · · · · ·		
Information	Relay		
Basic	Local Relay		
Time	Relay Type	Relay Delay	
Password	Open Door v	25 V	
System			
Intercom ^	Door Relay		
Device	Button 1		
Network	* Name	* Туре	* Value
	Lock1	DTMF V	•
SIP	Dutton 2		
Call			
Phonebook	* Name	* Type DTMF V	* Volue 0
Call Logs	1882	DIMF V	•
A Security A	D Button 3		
Zone	* Name	• Туре	* Value
	Lodd	DTMF V	*
Scene	00 Same		
Advanced ^	_		
Video			
Ralay			
More			

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;		

Туре:	Type 1-3: 3 types of unlock way are optional (Local Relay/DTMF/HTTP)
	HTTP——the format is http://192.168.3.119/cgi-
	bin/webapi.cgi?api=unlock&index
	=2&username=admin&password
	=E10ADC3949BA59ABBE56E057F20F883E;
	Note:
	<ul> <li>"192.168.3.119" is the IP address of Door Station;</li> <li>The number "2" after "index=" is the number for relay. (Relay 1 is 0; relay 2 is 1; relay 3 is 2);</li> </ul>
	<ul> <li>"admin" here should be changed to your admin account;</li> <li>"Password" is Password of admin:</li> </ul>
	<ul> <li>"E10ADC3949BA59ABBE56E057F20F883E" here is MD5 (Message- Digest Algorithm) encrypted. Users need to use account password to encrypt and change it.</li> </ul>
	DTMF——Dual-tone multi-frequency signaling,
	Relay1: #, Relay2:0, relay3: *;

#### 4.3. Advanced > More

More column is for SOS and Wallpaper.

<b><i>DNAKE</i></b>	
貂 General へ	
Information	sos
Basic	Trigger Time
Time	0s ·
Password	10 sav
System	
Intercom	Walipaper
Device	
Network	
SIP	+ Upload
Call	Image resolution: 100/4008/00/40/409/272 (subject to the actual resolution of the device)
Phonebook	Image format JPG JPNG
Call Logs	Image size: <5228
A Security ^	D Sove B Reast
Zone	
Scene	
Video	
Relay	
MOTE	

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.;
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;

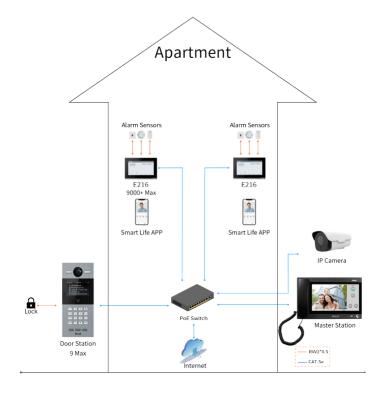
#### 5. General

You can enter the IP address of Indoor Monitor in the web browser search bar and log in with the default account (user) and password (1234). This is where you can add IPC.

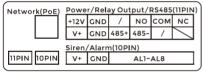
					English v Hello, user v
B General ^					
Information	D	IPC			
IPC		+ Add O Delete All			
		No.	Name	IPC URL	Action
		Only add up to 8 IP cameras.			
🗑 General 🔷 🔨			_		⊕ English ∨ Helia, user ∨
E General *	í	IPC		Add ×	⊕ English ∨ Helia, user ∨
	1			Add X	
Information	I	+ Add O Delete Al	Name	• Name: 0/30	Dojski v Helba uzer v Helba uzer v
Information	1		Name		
Information	1	+ Add O Delete Al	Name	• Name: 0/30	
Information		+ Add O Delete Al	Name	*Name: 0730 * gc (Nz)	
Information	1	+ And O Delete As	Name	*Name: 0730 * gc (Nz)	
Information		+ Add O Delete Al	l	*Name: 0730 * gc (Nz)	
Information		+ And O Delete As	have	*Name: 0730 * gc (Nz)	
Information		+ And O Delete As	New	*Name: 0730 * gc (Nz)	
Information		+ And O Delete As	kon	*Name: 0730 * gc (Nz)	
Information		+ And O Delete As	Norm	*Name: 0730 * gc (Nz)	
Information		+ And O Delete As	-	*Name: 0730 * gc (Nz)	
Information		+ And O Delete As	Nore Control of Contro	*Name: 0730 * gc (Nz)	
Information		+ And O Delete As	kon	*Name: 0730 * gc (Nz)	
Information		+ And O Delete As	Nove	*Name: 0730 * gc (Nz)	
Information		+ And O Delete As	-	*Name: 0730 * gc (Nz)	
Information		+ And O Delete As	here	*Name: 0730 * gc (Nz)	

Name: Customize name of IPC	;
-----------------------------	---

### IPC URL: Fill in IPC's RTSP stream;



# **DEVICE WIRING**



Network PoE	Powe	r/Rela	ay Out	tput/I	RS485	(11PIN	1)	
	+12V	GND	/	NO	сом	NC		
	V+	GND	485+	485 <b>-</b>	/	Ζ		
Siren/Alarm(10PIN)								
11PIN 10PIN	V+ GND AL1~AL8						I	

Dual Port

### 1. Network (PoE)

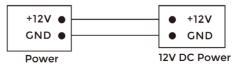
Standard RJ45 interface used to connect to the Master Station, Indoor Monitor and/or other network equipment via a network switch.

PSE shall comply with IEEE 802.3at (PoE+) and its output power not less than 30W and its output voltage not be less than 50V.

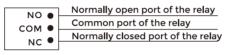


#### 2. Power

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



#### 3. Relay Output

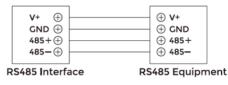


Relay Output

#### 4. RS485

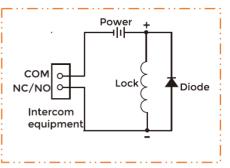
Single Port

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.



### **A** Warning!

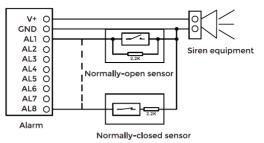
 When connecting to an inductive load device such as a relay or electromagnetic lock, you are recommended to use a diode 1A/400V (included in the accessories) in antiparallel with the load device to absorb inductive load voltage peaks. The intercom will be better protected in this way.
 The load current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



#### 5. Siren/Alarm

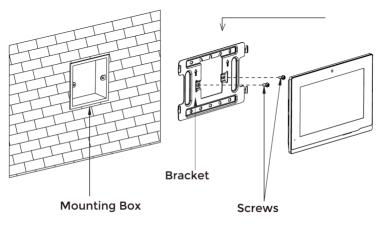
Interface of alarm zones connects with normally-open or normally-closed switch.

When the alarm zone is triggered, it will output 12V/100mA power.



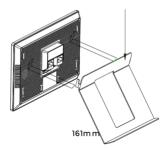
# INSTALLATION

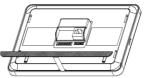
Surface Mounting-86 Mounting Box

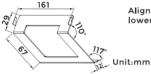


Product size: 195 × 130 × 14.5 mm

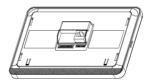
Assemble the hooks on two sides of the bracket into the groove on the rear cover.





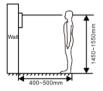


Align the edge of the silica gel pad with the lower edge of the casing, and paste the pad.



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 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.



