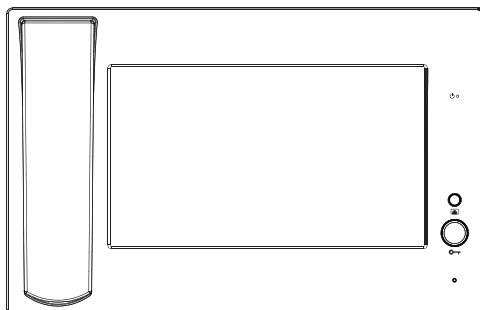


Installation and Operation manual

For TCP/IP Digital System



Management Center

■ 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 informing for any change. The illustration shown here only used for reference, if there is any difference please take the actual product as standard product.

CATALOG

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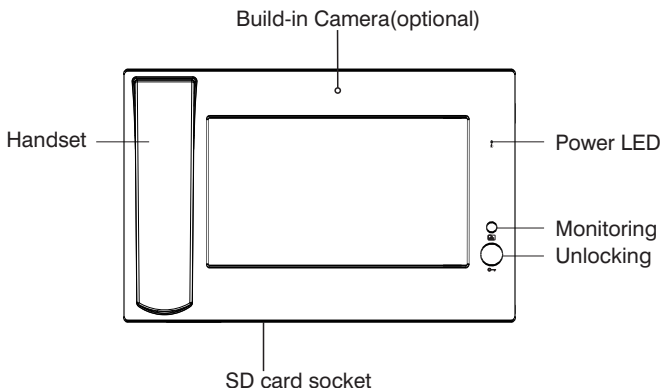
Product Features

1. Call indoor monitor
2. Monitor outdoor panel and wall station.
3. Monitor max. 8 pcs extra IP cameras.
4. Support auto answer, record the audio and video in SD card automatically or manually during the communication.
5. Receive the alarm records from indoor monitor.
6. Support SIP protocol to communicate with IP phone and SIP software.

Technology Parameters

1. Rated voltage: DC12V
2. Rated power: 6W
3. Standby power consumption: 2.5W
4. Operating temperature: $-10^{\circ}\text{C} \sim +55^{\circ}\text{C}$

Product Picture



Operations

■ Main interface



Main interface introduction



: Click to calling & answering menu.



: Click to monitoring menu.



: Click to application functions setting menu.



: Click to system setting menu.



Call Records : Click to calling records menu.



Alarm Records : Click to alarm records menu.



: Check whether the network is connected or not.




: Check whether it is registered in the SIP server or not.


■ Call Communication

1. Call indoor monitor


Click  icon, the system will enter into the following interface:



Input 1 ~ 4 digits + “Building” + 1 ~ 2 digits + “Unit” + 1 ~ 2 Building No. + 1 ~ 2 room No., then click  icon to call (the last 1 ~ 2 digit is regarded as Room No.).

For example, you want to call indoor monitor :0001010807. Input 1+ “Building” , then 1+ “Unit” + 08(floor No.) +07(room No.) , click  icon to call. If you do not input floor No., the call is invalid.

2. Call sub management center

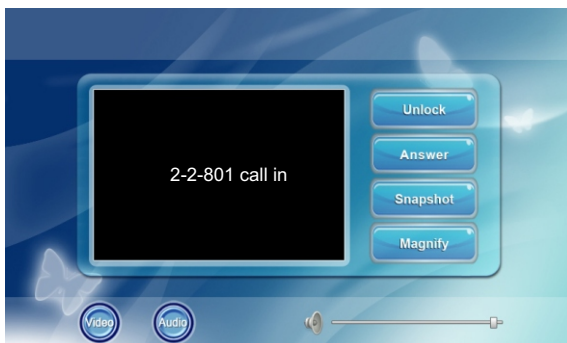
If connects with main and sub management center, click  icon to call the sub management center.

1. When the main management center calls sub management center, if center 1 is busy, it will call the next management center from 2~4.

2. When the main management center calls sub management center, 4 sub management centers will ring at the same time.





2. Answering

When someone calls in, the system will enter into the following interface:



To answer the call from indoor monitor/ outdoor panel/ help station/ wall station/management center, just click  icon.

During the intercom:




1. Click  icon to open the door;
2. Click  icon to end the call;
3. Click  icon to take/save the visitor's image;
4. Click  icon to watch the video in full screen.

■ Call Records

Click  icon, the system will enter into the following interface:



You can check communication records.

 refers to outgoing call;  refers to incoming calls;  refers to missed calls.

Click  or  icon to review each record.

Click  icon to delete the selected record.

There will be total 20 pcs communication records.

Select one record, then click  icon to call back the corresponding number

Icon  indicates the snapshot record with image, click it to see the image.

■ Alarm Records

Click  icon, the system will enter into the following interface:



The screenshot shows the 'Alarm Records' interface. It features a table with columns: NO., Date&Time, Address, Zone, Sensor, and Type. There are four records listed. Below the table are navigation buttons: 'Call back', up arrow, down arrow, 'Alarm processing', and a green right arrow.

NO.	Date&Time	Address	Zone	Sensor	Type
1	2011-02-01 09:20	1010918	Zone:1	Smoke	24Hour
2	2013-06-04 14:20	1010804	Zone:1	Smoke	24Hour
3	2013-06-03 15:47	1010278	Zone:1	Smoke	24Hour
4	2013-05-30 10:08	2020102	Zone:1	Smoke	24Hour


When alarm sensor is triggered, the management center will make a loud alarm, and the system will enter into the following interface:






The screenshot shows the 'Alarm Records' interface after an alarm is triggered. The first record (NO. 1) is highlighted in red, indicating it is the active alarm. The other records are in blue. The interface elements are the same as the previous screenshot.

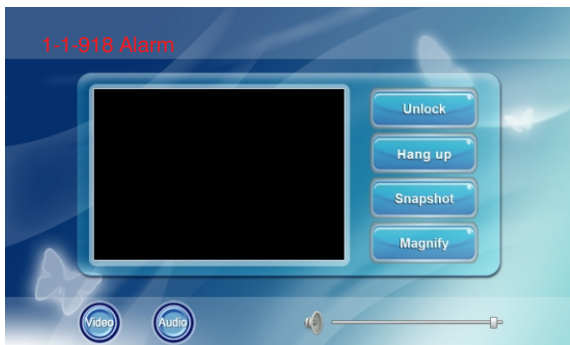
NO.	Date&Time	Address	Zone	Sensor	Type
1	2010-01-01 09:20	1010918	Zone:1	Smoke	24Hour
2	2013-06-04 14:20	1010804	Zone:1	Smoke	24Hour
3	2013-06-03 15:47	1010278	Zone:1	Smoke	24Hour
4	2013-05-30 10:08	2020102	Zone:1	Smoke	24Hour

You can check the detailed alarm record from the corresponding apartment.

Now click  icon to terminate the alarm.

Select one alarm record, then click  icon to call the corresponding indoor monitor. Click  or  icon to review records.

If the management center is under communication status and there is new alarm notice, the screen will display the alarm address with red front as following interface:





■ Video Monitoring



Click  icon, the system will enter into the following interface:





2.1 Monitoring the wall station

Click  icon, input 2 digits wall station No., then click  icon.

2.2 Monitoring the outdoor panel

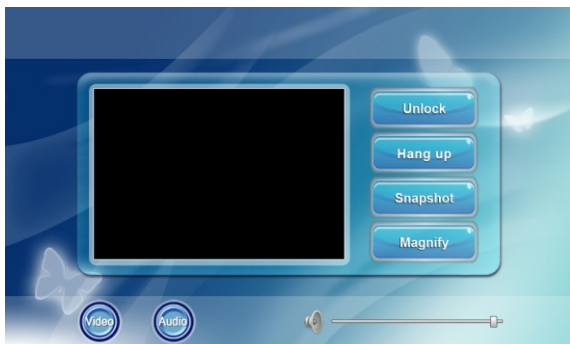
Click  icon, input 4 digits building No.+ 2 digits unit station No. +1 digit (from 1~4) outdoor panel address(one unit can install max. 4 outdoor stations), then click  icon to start monitoring.





2.3 Monitoring the flat outdoor station/ help station

Click  icon, then input 4 digits building No. +2 digits Unit No. + 4 digits Room No. + 1 digit flat outdoor station/ help station No., then click  icon to start monitoring;


Click  icon to delete the single digit.

During the monitoring, it will show you the following interface:



Click  icon to unlock the door; click  icon to end the monitor; click  icon to take/save the visitor's image; click  icon to watch the video in full screen.

■ Application Functions

Click  icon on the main interface to enter into application function intercaece.

Monitoring

Click  icon, the system will enter into the following interface:



The system supports IP Camera with standard RTSP streaming mode, IP Camera code can be MPEG4 or H.264.etc. If IP Camera supports ONVIF protocol, IP Camera Add will be searched and obtain RTSP URL automatically; if not support ONVIF protocol, it will need to input RTSP URL of IP Camera in CHI frame. There will be added max.8 IP Cameras.

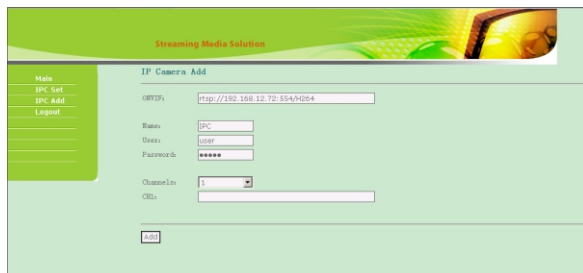
2.1 IP Camera set and add

Connect computer with management center in the same network(mutual intelligibility), open browser to input: <http://198...>(management center's IP address), and enter into the interface of IP Camera Settings. Input user name and password (the default user name is "user" and the password is 1234). Then click "IPC Set" to set IP Camera.



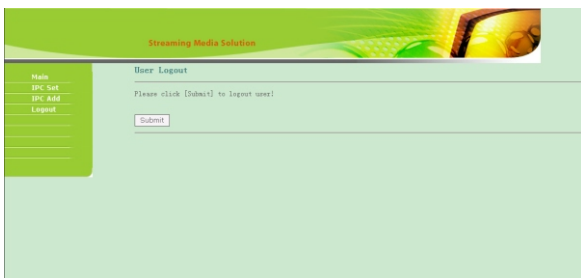
“User name” and “password” can be changed by yourself, click “Remove” to delete the device, and click “Submit” to store and submit the information.

Click “IPC Add”, the system will enter into the following interface:



The screenshot shows a web interface titled "Streaming Media Solution". On the left is a green sidebar with a menu containing "Home", "IPC Set", "IPC Add", and "Logout". The main content area is titled "IPC Camera Add" and contains the following fields: "RTSP:" with a text input containing "rtsp://192.168.12.72:554/H264", "Name:" with a text input containing "IPC", "User:" with a text input containing "user", "Password:" with a password input containing "*****", "Channel:" with a dropdown menu showing "1", and "CID:" with a text input. At the bottom of the form is a "Add" button.

After setting, click “Logout”, the system will enter into the following interface, click “Submit” to logout the setting.



The screenshot shows the same web interface, but the main content area is titled "User Logout". It contains the text "Please click [Submit] to logout user:" and a "Submit" button.

Remark: If it is difficult to search IP Camera, we suggest to download “wireshark” software for help from the Internet. Please download it accordingly and process as below:

1. Install the wireshark software
2. Click Capture on wireshark software-->interface-->start
3. Enter the :“RTSP ”in that Fliter in wireshark software



4. Then you will get the RTSP address.

5. Enter the management center's IP address on setting interface, then enter that above RTSP you get from “wireshark”.


■ System Setting

Click  icon to enter into System Settings interface.

1. Normal setting

Normal setting includes: Intercom and Date&Time.




Click  or  icon to set the camera, video and audio as ON/OFF.

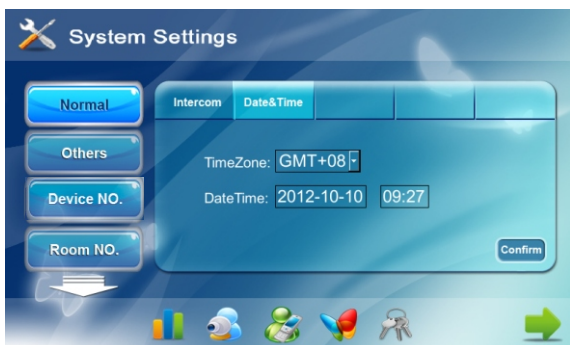
Camera: to turn on/off of the built-in camera (optional).

Video and Audio REC: If there is one call from outdoor panel and no answer from the management center for 25 seconds, the visitor can leave the voice message for 30 seconds.

Set Video or Audio as ON to record the video and audio. Set it as OFF to cancel recording.

After setting, click  icon to save the setting.

Click  icon to enter into the following interface and you can set TimeZone and DateTime:



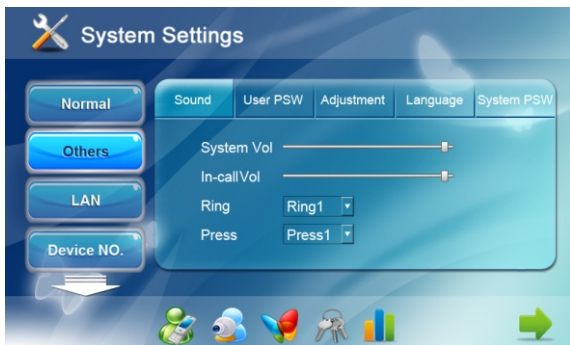
After setting, click **Confirm** icon to save it.

Remark: If the management center connects with management software or Internet, the date and time will be synchronized automatically.

If not connects with management software or internet, when the power recovers after outage, the date and time will be returned to factory default mode, you must set it again.

2. Others settings

Click **Others** icon to enter the others setting menu. Others setting include Sound, User Password Revise, Adjustment, Language and System Password Revise.



● Sound

You can set System, Talk VOL, Ring and Press type.

System VOL: the volume of warning tone.

Talk VOL: the volume of communication.

Ring type: choose different ring tone.

Press type: choose different touch tone.

● User Password Revise

Click **User PSW** icon to enter the following interface:



You can revise the user password. It is used for security setting. The default password is 1234.

● Adjustment

Click **Adjustment** icon to enter the following interface:



You can adjust the brightness or contrast.

● Language

Click **Language** icon to enter the following interface:



You can choose the available language.

● System Password Revise


Click **System PSW** icon to enter the following interface:



You can revise the system password. It is used for system setting. The default password is 123456.

3. LAN setting

 **Warning: End-user is not allowed to set this menu.**

Click  icon, then input system password with 6 digits (the default password is 123456), the system will enter into the following interface:



The screenshot shows the 'System Settings' window. On the left, there are four buttons: 'Normal', 'Others', 'LAN' (which is highlighted with a blue glow), and 'Device NO.'. Below these buttons is a printer icon. On the right, there is a table for network configuration:

Field	Value
IP	192.168.12.72
Mask	255.255.255.0
Gateway	192.168.12.1
Server	192.168.12.39
DNS	218.85.152.99

At the bottom right of the table is a 'Confirm' button. The bottom of the window features a taskbar with several icons: a bar chart, a blue bird, a green robot, a red and blue rocket, a key, and a large green arrow pointing right.

IP: the IP address is unique in one system.

Mask: the default subnet address is 255. 255. 255. 000. Generally, it is unnecessary to modify. If you want to modify, please click the setting box, it will popup a keypad.

Enter your new IP address, then click "Confirm" icon.

Gateway: fill it according to IP network segment distribution.

Server: the IP address of computer which installed management software.

DNS: the IP address of DNS server.

4. Device No. setting

Click  icon, the system will enter into the following interface:




1. Address No.: refers to the No. of management center, it has 2 digits.

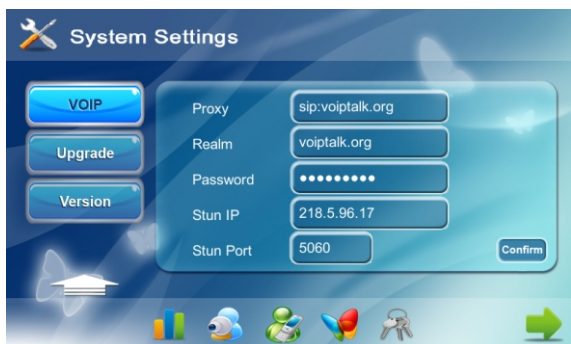
2. Sub: ①When the sub is set to be 0, we regard the management center as the main management center; when the sub is set from 1 to 4., the management center will be sub management center. When indoor monitor calls management center, 5 management centers will ring at the same time.

②When the sub of 5 management center are set as 0, and Address No. is 1 to 5. When indoor monitor calls management center, if the first management center is off-line or busy, it will transfer to the next management center.

3. Sync: Please change synchronous code (6 digits) as soon as possible after reading this instruction. Synchronous codes is used for the main and sub indoor monitor. Only when the synchronous codes of main and sub indoor monitor are consistent, they will coordinate together.

5. VOIP setting

Click  icon, the system will enter into the following interface:



Proxy: sip proxy server URL, the form is sip:ip or sip: realm name.


Realm: the scope for the device, is the same with IP or realm name.

Password: the password switched in proxy server, offered by the administrator of sip proxy server.

Stun IP and Port: the public network server IP and port crossed by audio/video NAT.

6. Upgrade

⚠ During upgrading, the power supply of management center should not be cut off.

Click  icon, then input 6 digits of password (the default password is 123456) to enter into the following interface:



Upgrade application program, resource file and inner core .etc.

During the upgrade, please keep power-on, otherwise it will lead to upgrade failed.

After upgrade completion, the system will restart automatically.

End user should not upgrade by yourself, it needs the engineer to help upgrade.

7. Version

Click  icon to see the related version information of this equipment.



■ Web Setting

Connect the management center and computer by network switch. Input the management center's IP address in the browser(the IP address of computer and the management center should be in the same network segment).

Then input user name and password (the default user name is "admin", the password is "123456" to enter into the following interface:



1. VOIP

Click **VOIP** icon to enter into the following interface:



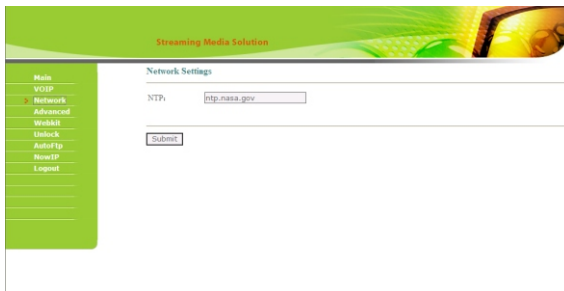
The setting is the same with the VOIP of system setting.

Check the frame of "Extern User" to communicate with SIP phone of other factory, and fill with the phone number registered in SIP server in the frame of "User".

Click "Submit", the setting will be come into effect.

2. Network

Click **Network** icon to enter into the following interface:



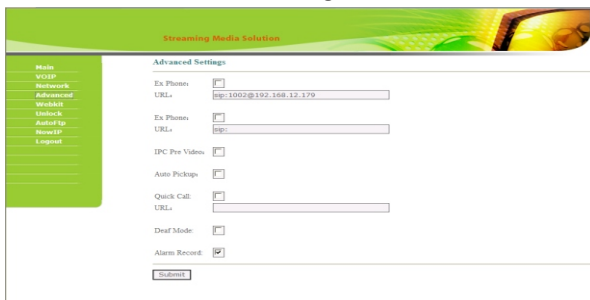
The screenshot shows the 'Network Settings' page. On the left is a green sidebar with a menu: Main, VOIP, Network (highlighted), Advanced, Webcam, Unicast, AutoTtp, Nvseip, Logout. The main content area has a title bar 'Streaming Media Solution' and a sub-header 'Network Settings'. Below this is a form with a label 'NTP:' followed by a text input field containing 'ntp.masa.gov'. At the bottom of the form is a 'Submit' button.

NTP: NTP time tick.

The time of the management center is synchronized with NTP. Fill NTP server address in the frame.

3. Advanced

Click **Advanced** icon to enter into the following interface:



The screenshot shows the 'Advanced Settings' page. On the left is the same green sidebar as in the previous screenshot, with 'Advanced' highlighted. The main content area has a title bar 'Streaming Media Solution' and a sub-header 'Advanced Settings'. The form contains several settings, each with a checkbox and a text input field: 'Ex Photos' (checkbox), 'URL:' (input field with 'http://1002@102.188.12.179'), 'Ex Photos' (checkbox), 'URL:' (input field with 'http:'), 'IPC Pre Video' (checkbox), 'Auto Pickups' (checkbox), 'Quick Call' (checkbox), 'URL:' (input field), 'Deaf Mode' (checkbox), and 'Alarm Record' (checkbox with a checked mark). At the bottom of the form is a 'Submit' button.

This setting is not available for management center.

4. Webkit

Click **Webkit** icon to enter into the following interface:

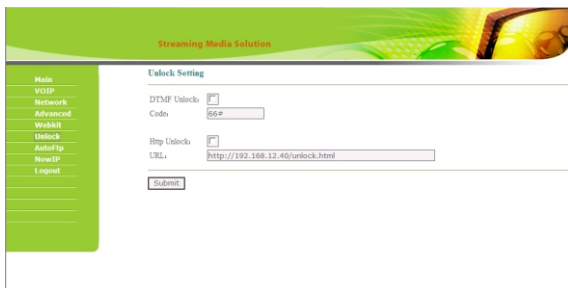


The screenshot shows the 'Webkit Setting' page. On the left is a green sidebar with a menu containing: Main, VODP, Network, Advanced, Webkit (highlighted), Unlock, AutoIP, NewIP, and Logout. The main content area has a header 'Streaming Media Solution' and a sub-header 'Webkit Setting'. Below this are three form fields: 'Web Desktop' with a dropdown menu, 'Url' with the value 'http://218.5.96.17:8000/index.html', and 'Advertisin' with a dropdown menu. Below these are two more fields: 'Url' with the value 'http://218.5.96.17:8000/ad.html' and 'Browser' with the value 'http://www.rycg.cn'. At the bottom is a 'Submit' button.

This setting is not available for management center.

5. Unlock (Reserved)

Click **Unlock** icon to enter into the following interface:



The screenshot shows the 'Unlock Setting' page. On the left is a green sidebar with a menu containing: Main, VODP, Network, Advanced, Webkit, Unlock (highlighted), AutoIP, NewIP, and Logout. The main content area has a header 'Streaming Media Solution' and a sub-header 'Unlock Setting'. Below this are three form fields: 'DTMF Unlock' with a dropdown menu, 'Code' with the value '66#', and 'Http Unlock' with a dropdown menu. Below these are two more fields: 'URL' with the value 'http://192.168.12.40/unlock.html' and a 'Submit' button at the bottom.

6. AutoFtp (Reserved)

Click **AutoFtp** icon to enter into the following interface:

The screenshot shows the 'Auto Upload Setting' page. On the left is a green sidebar with a menu containing: Main, VOD, Network, Advanced, Webkit, Unlocks, AutoFtp, NowIP, and Logout. The 'AutoFtp' option is highlighted. The main content area has a green header with 'Streaming Media Solution' and a decorative image. Below the header, the title 'Auto Upload Setting' is displayed. The form includes an 'Enable' checkbox (checked), a 'Ftp' text field with the value 'ftp://', and a 'Submit' button at the bottom.

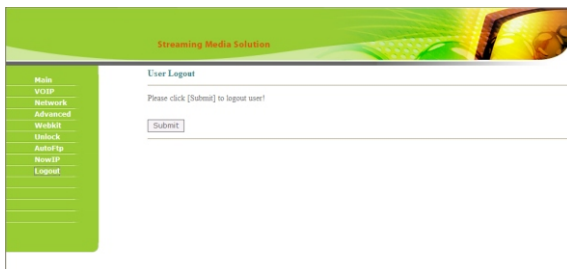
7. NowIP (Reserved)

Click **NowIP** icon to enter into the following interface:

The screenshot shows the 'NowIP Alarm Settings' page. It features the same green sidebar and header as the previous interface. The title 'NowIP Alarm Settings' is at the top of the main content area. The form contains several fields: 'Enable' (checked checkbox), 'To' (text field with 'ip:911@192.168.12.40'), 'Auto call' (checked checkbox), 'Call' (text field with 'ip:911@192.168.12.40'), 'Heartbeat' (text field with '123456789000'), and 'Timeout' (text field with '10'). Below these are eight 'Zone' entries, each with a text field containing the IP address '010012345678900000101000'. A 'Submit' button is located at the bottom of the form.

8. Logout

Click **Logout** icon to enter into the following interface:



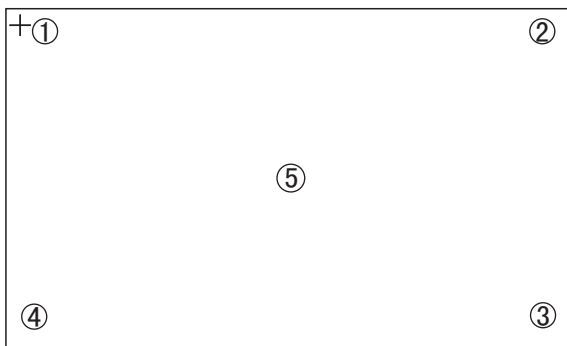
Click "Submit" icon to logout the system.

■ Adjust screen

 **Warning:** end user are not allowed to set this menu, please ask your installer for assistance.

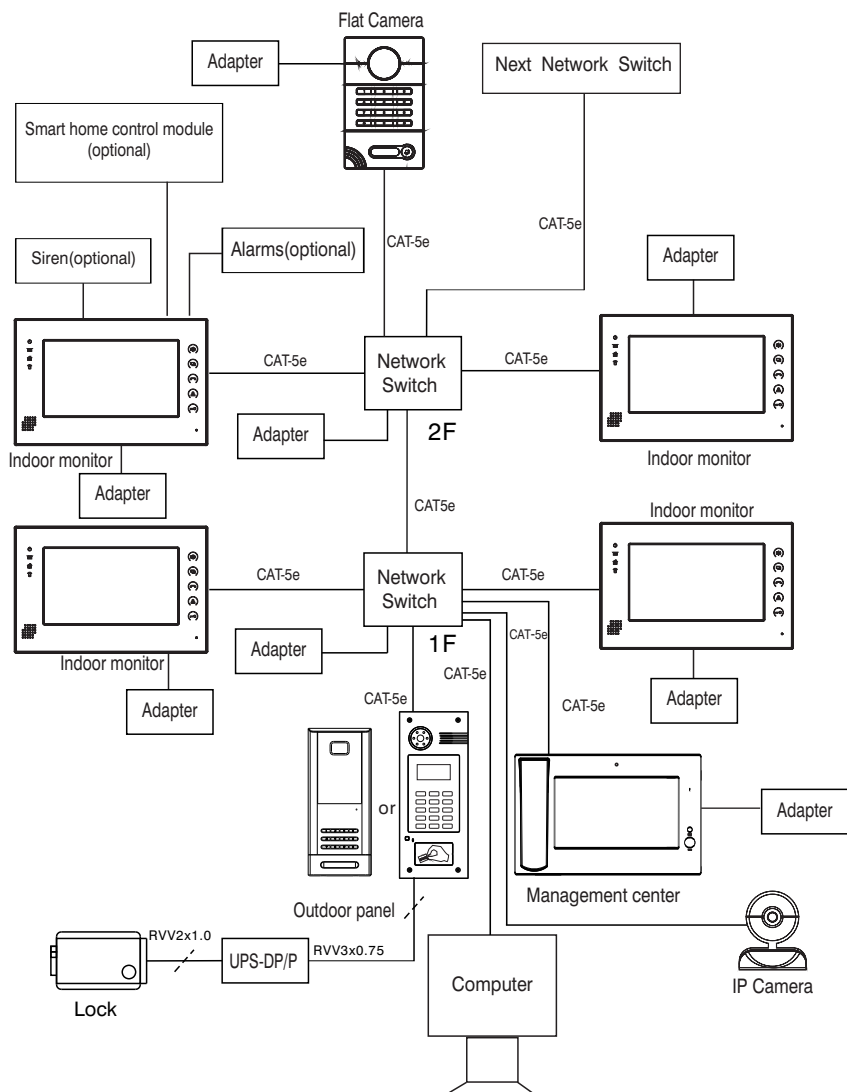
When you touch the screen and find the icons cannot react normally, please make the screen calibration by yourself.

If your indoor monitor has "🔑" unlock button, press this button on the indoor monitor for 5 seconds, the system will enter into the following interface:



Then click the center of cross intersection from ① to ⑤ in turn. After adjustment, the system will be exited automatically.

System Configuration



Notes

Maintenance of devices

1. Keep the clearance of the surface and use soft dry cloth to clean the dust of the product.
2. Please turn off the power of indoor unit when clean the indoor device.
3. If there is hard dirty which cannot be cleaned with dry cloth, please use the soft towel dipped in the neutral diluted detergent to clean the machine and then clear it with dry cloth.
4. Do not use benzene, thinner or organic solvents such as gasoline to clean, these solvents may cause damage to the machine casing or the surface of machine and change colors.

Matters need to be noticed

1. Read the instructions in this handbook carefully. Be sure to keep it for future reference.
2. Be sure to use only the supplied AC adapter and that your power source matches the rating listed for it. If you are not sure, check with your dealer or with your local power company.
3. Avoid strong hits or shocks. Do not use the AC adapter if it has received any hard knocks or looks damaged in any way; immediately contact an authorised service center.
4. The product should be placed where is stable, windy, air-dry, non-sunshine, non strong magnetic and non dusty.
5. Don't clean the surface with chemicals but with soft and clean dry cloth.
6. Don't press several buttons at the same time.
7. The outdoor and indoor unit must be matched with appointed specified models and cannot match with others that are not our products.
8. Don't disassemble the machine without authorization, if the need for fault repair, please contact the distributors or the company's tech-supporting department.