Network IR Weather-Proof Camera

User Manual

Please read this instruction carefully for correct use of the product and preserve it for reference purposes

Cautions

- Before operation, we strongly advise users to read this manual and keep it properly for using later.
- Please use the specified power supply to connect.
- Avoid from in correct operation, shock vibration, heavy pressing which can cause damage to product.
- Do not use corrosive detergent to clean main body of the camera. If necessary, please use soft dry cloth to wipe dirt; for hard contamination, use neutral detergent. Any cleanser for high grade furniture is applicable.
- Avoid aiming the camera directly towards extremely bright objects, such as, sun, as this may damage the image sensor.
- Please follow the instructions to install the camera. Do not reverse the camera, or the reversing image will be received.
- Do not operate it incase temperature, humidity and power supply are beyond the limited stipulations.
- Keep away from heat sources such as radiators, heat registers, stove., etc.
- This is product instructions not quality warranty. We may reserve the rights of amending the typographical errors, inconsistencies with the latest version, software upgrades and product improvements, interpretation and modification. These changes will be published in the latest version without special notification.
- When this product is in use, the relevant contents of Microsoft, Apple and Google will be involved in. The pictures and screenshots in this manual are only used to explain the usage of our product. The ownerships of trademarks, logos and other intellectual properties related to Microsoft, Apple and Google belong to the above-mentioned companies.

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1 Introduction

1.1 Overview

This IP-CAMERA (short for IP-CAM) is designed for high performance CCTV solutions. It adopts state of the art video processing chips. It utilizes most advanced technologies, such as video encoding and decoding technology, complies with the TCP/IP protocol, SoC, etc to ensure this system more stable and reliable. This unit consists of two parts: the IP-CAM device and central management software (short for CMS). The CMS centralizes all devices together via internet or LAN and establishes a sound surveillance system to realize unified management and remote operation to all devices in one network.

This product is widely used in banks, telecommunication systems, electricity power departments, law systems, factories, storehouses, uptowns, etc. In addition, it is also an ideal choice for surveillance sites with middle or high risks..

1.2 Package

The pictures below are only for reference. Only part of our products can adjust focus. Please make the object as the standard.

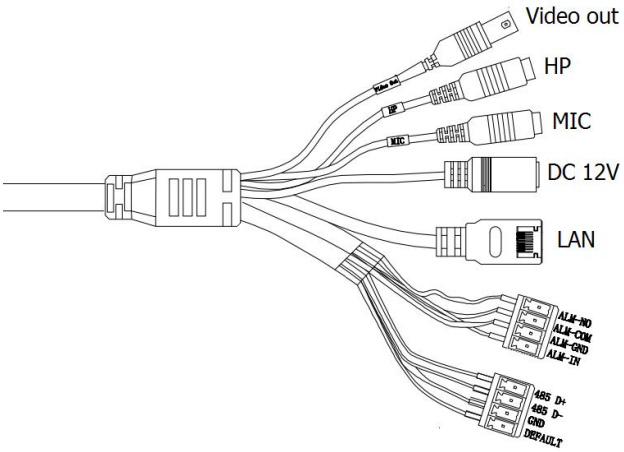
IP-CAMERA	Quick Start Guide	CD	Screwdriver

Accessories	Description
IP-CAMERA	The device without Lens
Quick Start Guide	The Brief instructions of the product
CD	CD-ROM with software and manual
Screwdriver	A tool to adjust the stand

1.3 Interfaces and Parts

1 Zoom：Turn the screw to zoom in/out.

2 Focus：Turn the screw to adjust the image definition.



Video out: connect to monitor

HP: connect to headphone

MIC: connect to MIC

DC12V: connect to power supply

LAN: network port (support PoE power supply).

Alarm NO/COM: alarm out; connect to alarm output device

Alarm GND: connect to external sensor together with alarm in line

Alarm In: connect to external alarm input device, like sensor

RS 485: connect to speed dome and keyboard; D+ positive pole; D- negative pole

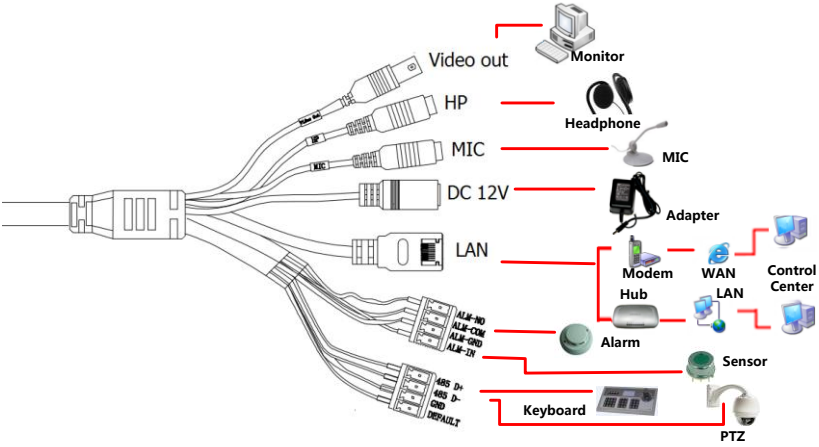
GND: grounding line

Default: intersect with GND line to reset

2 Installation

2.1 Install IP-CAM to Ethernet network

The connection of digital video server is show below.



User can connect the PC and IP-CAMERA in accordance with above picture. Before connecting, please connect external devices, and then connect the power.

The connection step as shown as below:

Step 1: Connect IP-CAM firstly.

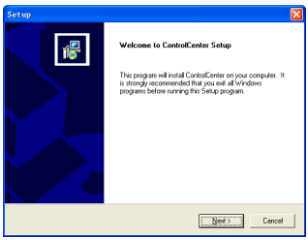
Step 2: Internet line connect to Internet transfer equipment or devices

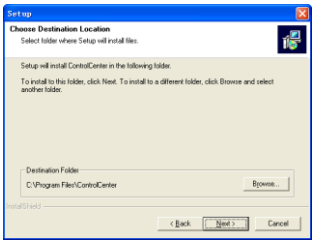
Step 3: Connect power cable to a power outlet

2.2 CMS Installation

1） Find CMS software from CD and then double click “Setup.exe” file to pop up installation wizard.

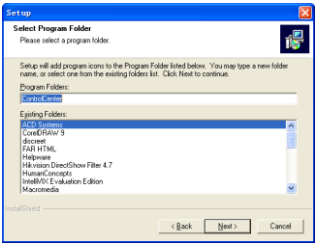
2） Click “Next” button and then click “Browse” button to set the installation path.

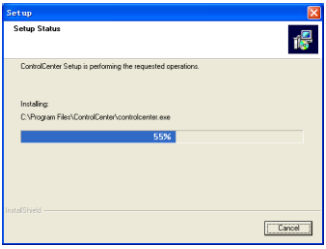




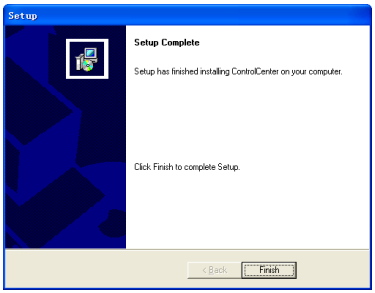
3） Click “Next” button to select files as shown in the figure on the left.

4） Click “Next” button to start installing as shown in the figure on the right.





5） The installation is completed as shown below.



6） Click “Finish” to complete installation。After that, two icons

will display on the desktop

Double click CMS icon to run the software. The default user name is “system” and the default password is “123456”.

Double click IP-Tool icon to start IP-Tool.

3 IE Connection

User can connect IP-CAM through LAN or WAN. Here only take IE browser (6.0) for example. The details are as follows.

3.1 LAN

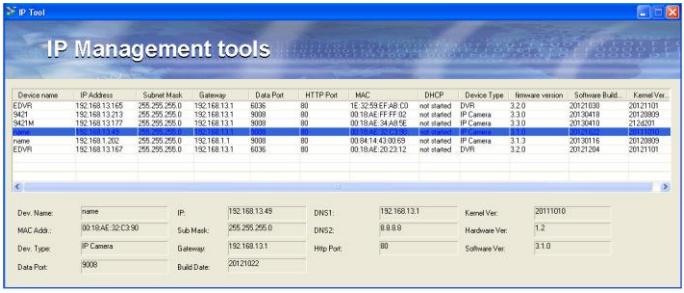
In LAN, there are two ways to access IP-CAM：① Access through IP-Tool；② Directly Access through IE Browser.

3.1.1 Access through IP-Tool

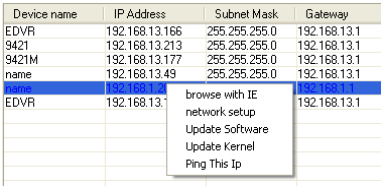
Step 1: Make sure the PC and IP-Cam are connected to the LAN and the IP-Tool is installed in the PC from the CD.

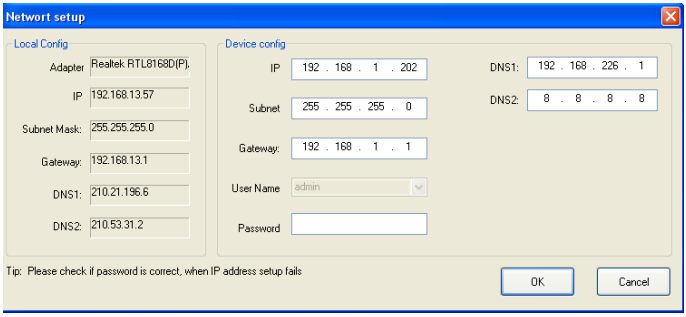
Step 2: Use IP-Tool to modify the network of IP-Cam. Then, double click the

icon on the desktop to run this software as shown below:

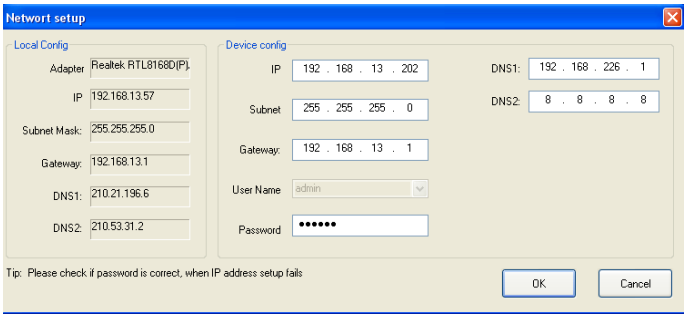


After starting IP-Tool and clicking the IP-Cam in the list, user can check the information of IP-Cam. If user cannot confirm which one is himself, please shut off the electricity of the IP-Cam and then power on it. When shutting off the power, the device information will disappear. When powering on, the device information will emerge. Well, this device is the used device. Right click the device information and select “network setup”. Then the network setup window will pop up as shown below:

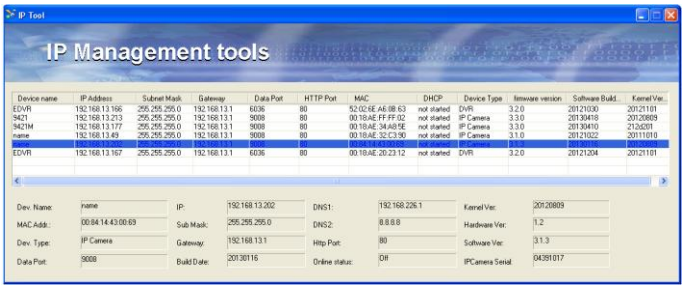




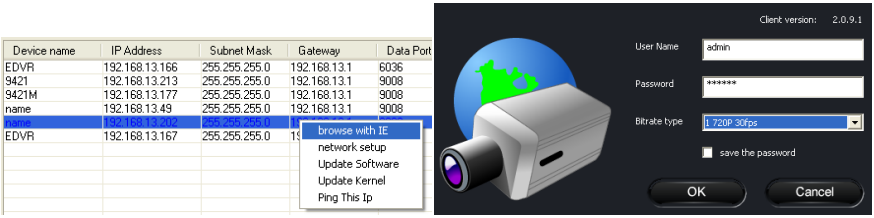
For example, the network segment of this computer is 192.168.13.57. So, please modify the IP address, Subnet Mask, Gateway of IP-Cam which must be in the same network segment with the computer. After modifying, please input the user name and password and then click "OK" button to save the setting.



Note: The default user name is: admin. The default password is: 123456.
The new IP address of this device will display as follows after modification.



Step 3: Use the IP-Tool to login the IP-Cam.
Right-click the IP address and select "browse with IE". Then the system will pop up the IE browser to connect IP-Cam as shown below. IE browser will auto download the Active X control. After finishing the installation of the Active X control, a login window will pop up.



Input User name and password and then click “OK” button to login.

Note: User also can use the modified IP address of the IP-Cam. Input the IP address in the IE browser bar and then click “Enter” to access IP-Cam. The default user name is admin. The default password is 123456.

3.1.2 Directly access through IE

The network service is default as shown below:

IP address: **192.168.226.201**

Subnet Mask: **255.255.255.0**

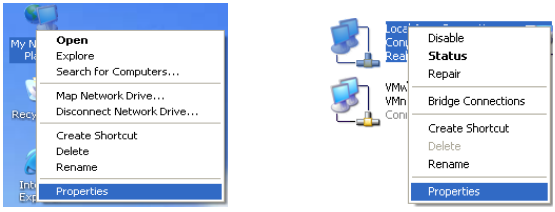
Gateway: **192.168.226.1**

HTTP: **80**

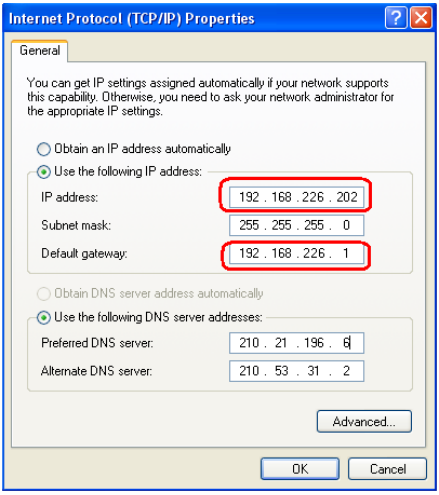
Data port: **9008**

When use the IP-CAM for the first time, please connect the device with the above default settings.

Step 1: Manual setup the IP address of the PC, the network segment should be as same as the default settings of IP-CAM. Right click “My Network Places” icon on the desktop→select “Properties” as shown in the left figure. Right click “Local Area Connection” at the popup window, and then select “Property” as shown in the right figure.



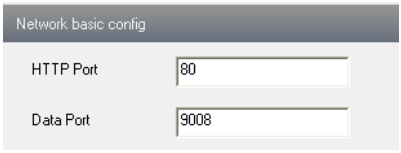
Select “Internet Protocol (TCP/IP)” in the “General” tabs→click “Properties”→Manual input network address information of the PC in the pop up window. Refer to the following figure:



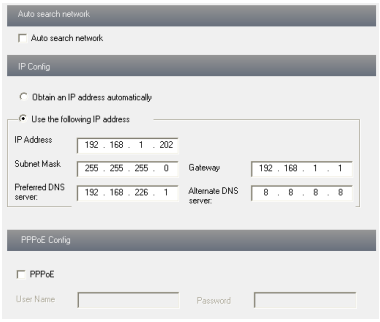
Step 2: Open the IE Browser and input the default address of IP-CAM and confirm. Then the IE browser will download Active X control automatically.
Step 3: After downloading Active X control, the login dialog box will pop up as below:
Step 4: Input user name and password in the login dialog box and click "OK" button to enter into the live interface. You can manage and setup the IP-CAM, such as change IP address etc.

3.2 WAN

Access through router or virtual server
Step1: Connecting according to above steps in LAN; Enter into System Configuration→Network configuration→Basic configuration to setup the port number as shown in the picture on the left hand.
Step 2: Enter into System Configuration→Network configuration→IP configuration to change IP address as shown in the picture on the right hand.

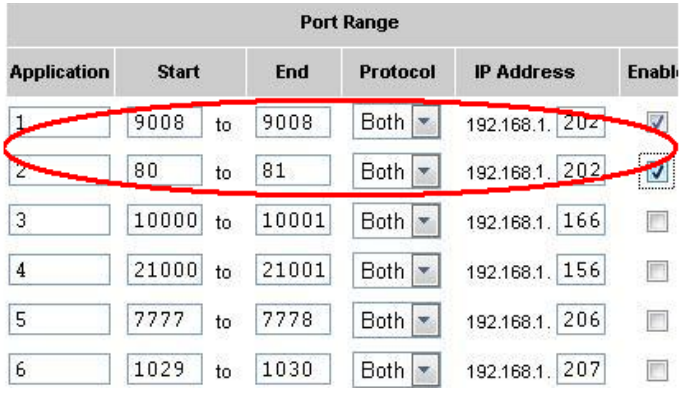


Port Setup



IP Setup

Step 3: Enter into the router's management interface through IE browser; remap the IP address and port of IP-CAM in the "virtual server". The name depends on the router.



Port Range						
Application	Start		End	Protocol	IP Address	Enabl
1	9008	to	9008	Both	192.168.1. 202	☑
2	80	to	81	Both	192.168.1. 202	☑
3	10000	to	10001	Both	192.168.1. 166	☐
4	21000	to	21001	Both	192.168.1. 156	☐
5	7777	to	7778	Both	192.168.1. 206	☐
6	1029	to	1030	Both	192.168.1. 207	☐

IP Remap

Step 4: Open the IE browser and input its WAN IP and http port to access.

4 Remote Preview

4.1 Remote Preview

After you log in, you will see the following window.

The descriptions of the icon on the remote preview interface:

Icon	Description	Icon	Description
	Sensor alarm indicator icon		Full screen
	Motion alarm indicator icon		Start/Stop record
	Fix size		Playback
	Actual size		Snap
	Zoom in		Talk
	Zoom out		Open/close audio

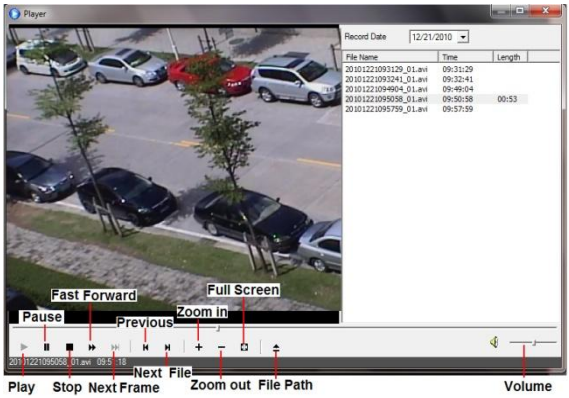
Right click mouse to appear a pull-down list as shown in the above image:
Stream: 1080P, 720P, VGA, QVGA.
Turn off the live: Click this item will close present live preview.
Enable audio: Enable remote audio transmission.
Full screen: The live preview picture will full-screen display. Double click or click right mouse to return to the previous interface.
Online user: Display user's list connect to the device.
System information: Display the device information: device name, firmware version, software build date, kernel version and hardware version.

Click PTZ extended button to unfold PTZ control panel.
The descriptions of the control panel are as follows:

Button	Description
	to rotate the dome upwards ; to rotate the dome downwards; to rotate the dome towards left; to rotate the dome towards right ; to stop rotating the dome.
	Drag the scroll bar to adjust rotating speed of the dome.
	Focus button. Click button to have long focus and click to have short focus so that you can adjust the image clearly.
	Zoom button. Click to zoom in the image; click to zoom out the image.
	Iris button. Click to increase light of the dome; click to decrease light of the dome.

4.2 Playback

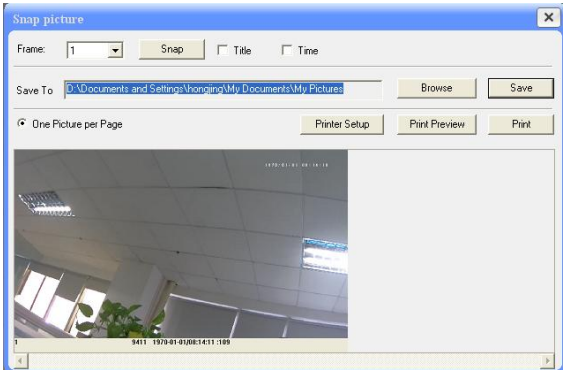
Click REC icon to see the following window:



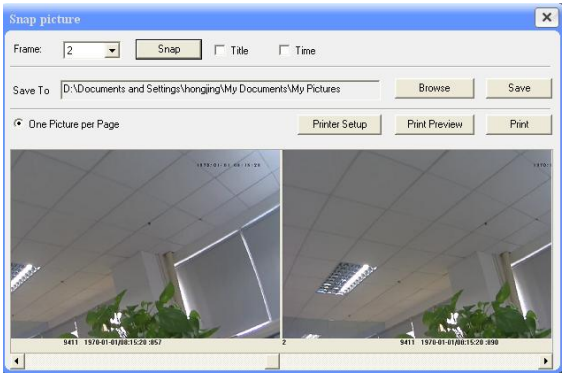
After selecting the record date, the record files will be displayed in the record file list box. User can double click a certain record file to playback or check a certain file. Then click Play button to do playback. User can do relating operation according to some buttons in the playback interface.

4.3 Snap

Select the picture number, and then click “Snap” icon as shown below:



User can snap multiple pictures. Select the picture number from Frame pull down list box, such as 2, and check “Title” and “Time” to show capture title and time on the snap pictures simultaneously.



Click “Browse” to set saving path; Click “Save” to save pictures to HDD on the computer; Click “Printer setup” to set the printer and print the snap pictures; drag the scroll bar to view all snapped pictures.

5 Remote Configuration

Functions of remote configurations include: System Configuration, Video Configuration, PTZ Configuration, Alarm Configuration, Network Configuration and Advanced Configuration. You should firstly select the menu on the left, and then setup the relative parameters. When one user configures parameters of a certain device, other users can not setup this device.

5.1 System Configuration

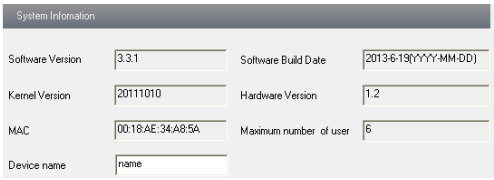
The “System configuration” includes three submenus: Basic Information, Date & Time and SD card.

5.1.1 Basic Information

In the “Basic Information interface, user can setup the device name and also can check the relative information of the server

Setting steps:

1. Clicking the "Config" icon will appear the menu list.
2. Clicking the “Basic Information "will pop up a window as shown below:



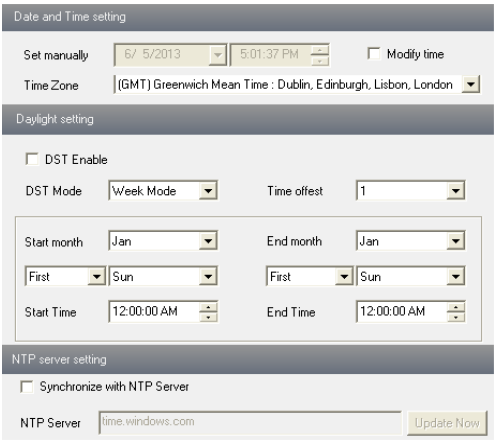
Parameter	*Meaning*
Software version	The software of the device
Software build date	The software build date of the device
Kernel version	The kernel version of the device
Hardware version	The hardware version of the device
Mac Address	MAC address of device
Maximum number of user	Support max 6 users to access
Device name	Name of the device.

3. Input the name of the device in the "Device name" text box.
4. Press the "Save" button to save the settings.

5.1.2 Date & Time Configuration

Setting steps:

1. Enter into "System Configuration" →“Date & Time”.

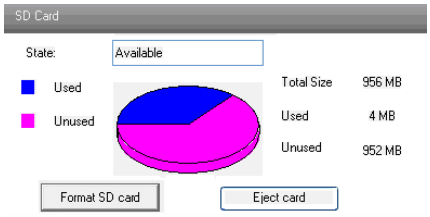


2. Select “Modify Time ", user can self-define time. Choose the right "Time Zone" according to user’s location.
3. User can also enable DST and set DST mode and time.
4. User can setup time by select the “Synchronize with NTP Server”.
5. Press the "Save" button to save the settings.

5.1.3 SD Card

Setting steps:

1. Enter into "System Configuration" →“SD Card” as shown below:



Click “Format SD card” to format SD card.
Click "Eject card" to stop writing data to SD card. Then the SD card can be ejected safely.

Note: Using of SD card function should be coordinated with Motion alarm. When alarm is triggered, the system will automatically snap picture and save the picture into SD card.

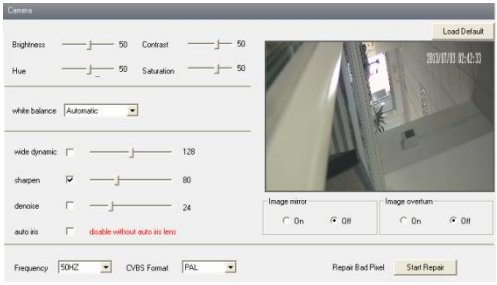
5.2 Video Configuration

Camera Configuration includes three submenus: Camera Configuration, Video Stream and Time Stamp.

5.2.1 Camera Configuration

Setting steps:

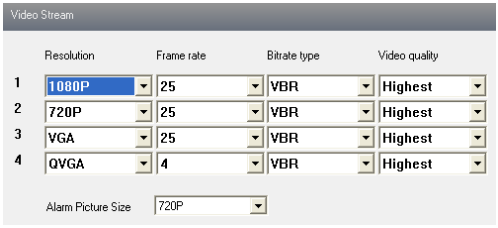
1. Enter into "Video Configuration "→ "Camera" interface as shown below:



2. Adjust Brightness, Contrast, Hue and saturation of the picture.
3. Select white balance mode.
4. Sharpen, denoise and frequency are adjustable.
5. Enable auto iris, the image mirror and image overturn function.
6. Press the "Save" button to save the settings.

5.2.2 Video Stream

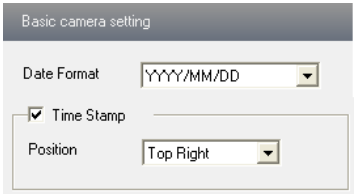
1. Enter into "Video configuration"→ "Video Stream" to see a interface shown as below:



2. Select the resolution of the single frame image at the "Resolution" pull down list.
3. Select the quantity of video per second at the "Frame rate" pull down list.
4. Select the data stream type at the "Bit rate type" pull down list.
5. Set the video quality at the "Video quality" pull down list.
6. Choose the alarm picture size.
7. Press the "Save" button to save the settings.

5.2.3 Time Stamp

Enter into "Video configuration"→"Time Stamp" to display the interface as shown below:



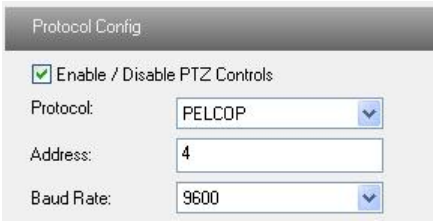
Here you can set date format and the position of the time stamp shown in the live image.

5.3 PTZ Configuration

PTZ Configuration includes three submenus: Protocol, Preset and Cruise.

5.3.1 Protocol

1. Enter into "PTZ Configuration"→"Protocol" interface as shown below:

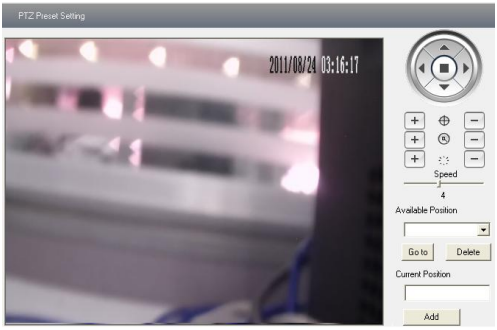


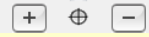
2. Tick off "Enable/Disable PTZ Config", and then reboot IE client side, the PTZ control panel will be displayed on the live interface.
3. Select the protocol of the PTZ device at the "Protocol" pull down list.
4. Input address of the PTZ in the "Address" textbox.
5. Select baud rate of the PTZ in the "Baud rate" pull down list.

For the settings of protocol, address and baud rate please refer to the user manual of the PTZ setting.

5.3.2 Preset Configuration

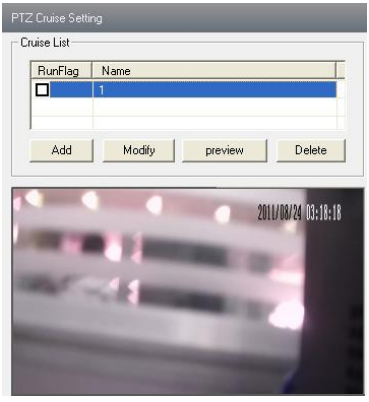
1. Enter into "PTZ Configuration"→"Preset" to see a interface as shown below:
2. Input the preset number and set its position by controlling PTZ control panel and then click Add button to add preset point into the Available position list.
3. Select the preset in the pull down list of the Available position and click Go to button to move the dome to this preset point; click Delete button to delete checked preset point.
4. After finishing setting, click Save button to save the settings



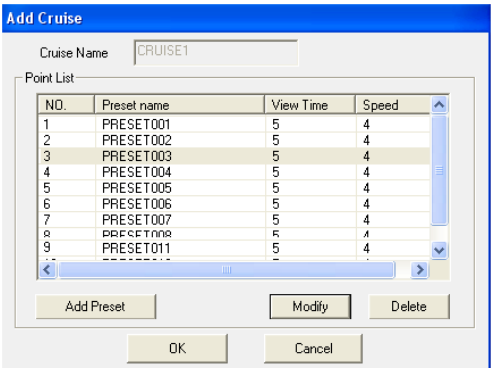
Button	Meanings
	to rotate the dome upwards; to rotate the dome downwards; to rotate the dome towards left; to rotate the dome towards right; to stop rotating the dome.
	Focus button. Click button to have long focus; click button to have short focus.
	Zoom button. Click button to zoom in the locale picture ; click button to zoom out the locale picture.
	Iris button. Click button to increase light of the dome; click button to decrease the light of the dome.
	Drag the scroll bar to adjust rotating speed of the dome.

5.3.3 Cruise Configuration

Enter into "PTZ Configuration"→"Cruise" to display a interface as shown below:



Click “Add” button to add cruise.
Choose a cruise and click “Modify” button to pop up a window as below:



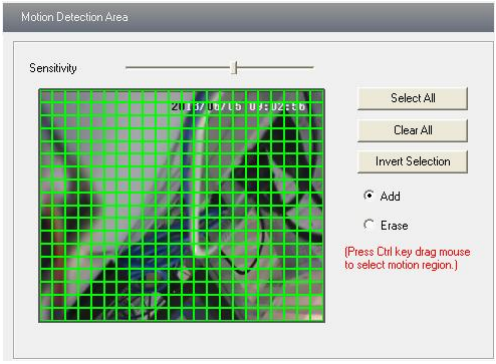
Click “Add Preset” button to pop up a window. You can add the preset there.
Click “Preview” button to check the related information of this cruise and click “Delete” button to delete this cruise.
4. Press the "Save" button to save the settings.

5.4 Alarm Configuration

Alarm configuration includes six submenus: Motion Detection Area, Motion Detection Trigger, Motion Detection Schedule, Alarm Input Trigger, Alarm Input Schedule and Alarm Out.

5.4.1 Motion Detection Area

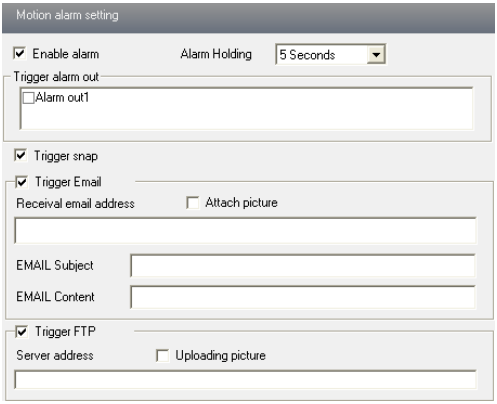
1. Enter into “Alarm configuration"→"Motion Detection Area" to see a interface shown as below:



2. Move the "Sensitivity" scroll bar to setup the motion trace sensitivity.
3. Check the "Add”, press the "Ctrl" button and move mouse to select the motion detection area; Select “Erase” and move the mouse to clear all motion detection area.
4. Press the "Save" button to save the settings.

5.4.2 Motion Detection Trigger

1. Enter into “Alarm Configuration"→ "Motion Detection Trigger" to display a interface as below:



2. Check "Enable alarm" check box. Then motion based alarm is activated.
3. Set alarm holding time.
4. Set alarm trigger options.

Alarm Out: If selected, this would trigger the external relay output on detecting a motion based alarm.

Trigger Snap: If selected, the system will snap images on an alarm and save them in SD card.

Trigger Email: If the email and attach picture checkbox is checked (Email address shall be set first in the Mail config interface), the triggered snap pictures and event will be sent into those address.

Trigger FTP: If “Uploading picture” is checked, the triggered snap pictures will be sent into FTP server address. Please refer to FTP configuration chapter for more details.

5. Press the "Save" button to save the settings.

5.4.3 Motion Detection Schedule

A window will show as below by entering into “Alarm configuration"→ "Motion Detection schedule" menu.

Week schedule

User could set the alarm time from Monday to Sunday for alarm everyday in one week.

Note: The lengthwise means one day of a week; the rank means 24 hours of a day. Mouse clicks on the pane to set the alarm hours. Green means selected area. Blank means unselected area.

2."Add": add the schedule for a special day.

3."Erase": delete holiday schedule

Day schedule

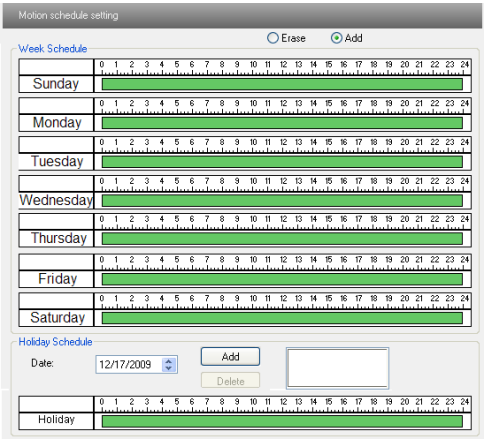
User could set alarm time for alarm in some time of special day, such as holiday.

1. Select a date at the "Date" pull down list, press "Add" button to add that date to the list box on the right side and then move the scroll bar to set the schedule of that day.

2. Select a date in the list box on the right side, and press "Erase" to remove the schedule on that day.

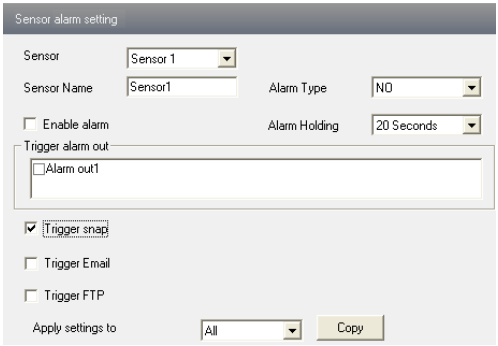
Press the "Save" button to save the settings.

Holiday schedule is prior to Week schedule.



5.4.4 Alarm Input Trigger

1. Enter “Alarm Configuration"→"Alarm Input Trigger" to see a screen as shown below:



2. Select the sensor at the "Sensor" pull down list and set the sensor name and alarm type: NO and NC.

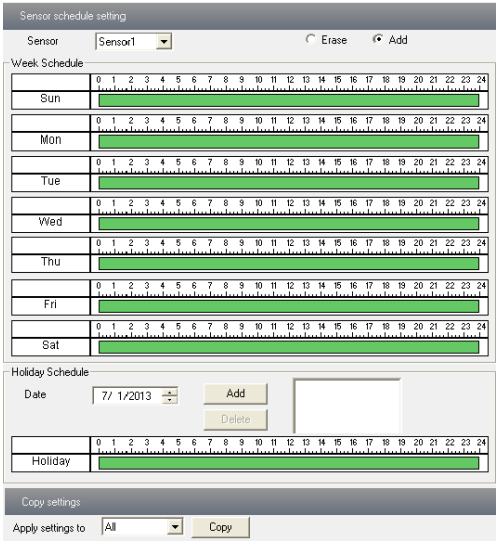
3. Enable alarm and select alarm holding time.

4. Set alarm trigger options. The setting steps are the same with that of motion detection

trigger. Please refer to motion detection trigger chapter for details.
5. Apply settings to all by clicking “Copy” button, which can quickly set the same settings for all sensors.

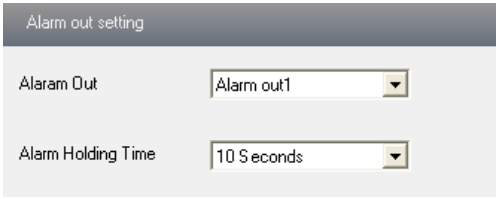
5.4.5 Alarm Input Schedule

Enter into “Alarm Configuration"→“Alarm Input Schedule” as shown below:
1. Select the sensor which needs to setup the alarm parameter at the "Sensor" pull down list
2. The following setup steps are similar to Motion Detection Schedule’s. Please refer to Motion Detection Schedule chapter for more details



5.4.6 Alarm Out

1. Enter into “Alarm configuration"→"Alarm output" as shown below:



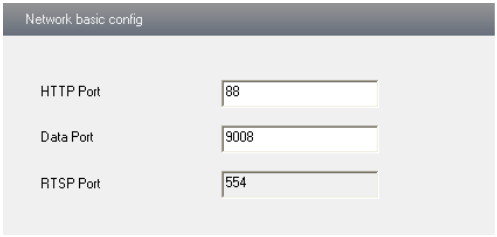
2. Select alarm holding time and alarm name at the "Alarm out” and “Alarm holding time” pull down list box respectively.
3. Press the "Save" button to save the settings

5.5 Network Configuration

Network configuration includes nine submenus: Port, Wired, Server Configuration, IP Notify, DDNS Config, RTSP, UPNP, Mail Setting and FTP.

5.5.1 Port

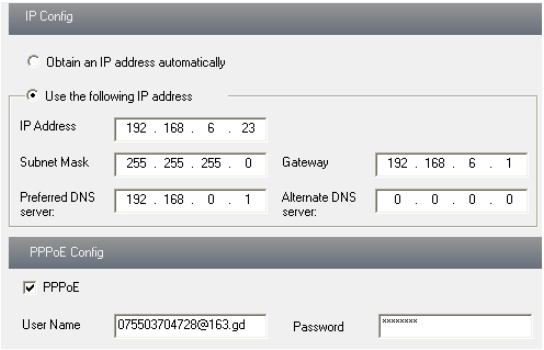
1. Enter into "Network config"→"Port" to see the interface as shown below:



2. Input port number for IE access in the "HTTP Port" textbox.
3. Input the port number for audio & video transmission in the "Data Port" textbox.

5.5.2 Wired

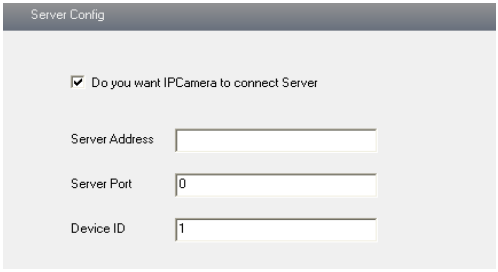
1. Enter into "Network Configuration"→"Wired" to see a tab shown below:



2. There are two Options for setup IP: obtain an IP address auto by DHCP protocol and use the following IP address, user can choose one of options for requirements.
3. Use the following IP address: display the IP address, subnet mask, gateway and DNS of the device.
4. PPPOE: User needs to manual input the user name and password for dial-up internet.
Firstly, user needs to login IE clients, then enter into user name and password of PPPoE, save the setting and exit. Secondly, setup IP address change notice. Thirdly, connect with Modem, then the device will dial-up internet automatically.
6. Press the "Save" button to save the settings.

5.5.3 Server Configuration

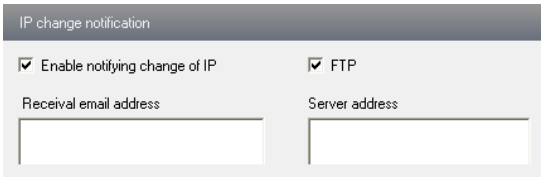
Enter into “Network Configuration”→ “Server Config”.



1. Check “Do you want IP Camera to connect Server.
2. Check the IP address and port of the transfer media server in the ECMS/NVMS. Then enable the auto report in the ECMS/NVMS when adding a new device. Then input the remaining information of the device in the ECMS/NVMS. After that, the system will auto allot a device ID. Please check it in the ECMS/NVMS.
3. Input the above-mentioned server IP, server port and device ID in the responding boxes. Click “save” button to save the settings.

5.5.4 IP Notify

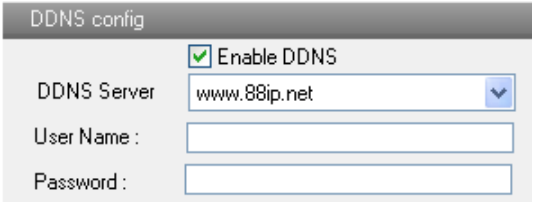
1. Enter into “Network Configuration”→”IP Notify” to see a tab as below.



2. If the “Enable notifying change of IP” is selected, when the IP address of the device is changed, a new IP address will be sent to the appointed mailbox automatically; If “FTP” is selected, when the IP address of the device was changed, a new IP address will be sent to FTP server.

5.5.5 DDNS Configuration

1. Enter into "Network Configuration"→"DDNS Configuration" tab as below:



Note: The steps to band a domain name for video surveillance server are as follows. Firstly, register a user name and a password to log on the website of service supplier, and then apply for a domain name online for the server. After that, users can visit the server through inputting the domain name at IE terminal.

2. Press the "Save" button to save the settings.
Please refer to the following table for parameters and instructions of DDNS configuration.

Parameter	*Meaning*
DDNS server	Address of the website which provided by domain name supplier. The optional: www.dns2p.net ， www.88ip.net ， www.meibu.com ， www.dyndns.com，www.no-ip.com，www.3322.org and mintdns type.
User name	Log in the website of domain name supplier
Password	Log in the website of domain name supplier

1. Apply the Domain Name (Take dns2p for example)

(1) Register in the Web

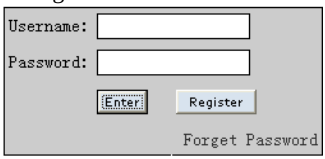
Register dialog box

Step 1: Fill in the blank of IE address with ‘www.dns2p.com’.
Step 2: Click to enter the website.
Step 3: Click "New User" in the right of homepage to register. For example: User ID is ‘abc’,

and password is '123456'. The register dialog display as above.

(2) Login

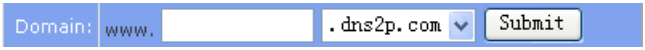
Step 1: Return to homepage after registering successfully.
Step 2: Click "Account Manager" on the right of homepage to login.
Step 3: Input the username and password with the information that you have registered.
Step 4: Click "Enter" key after filling in the textbox.



Log in

(3) Domain Setup

Step 1: Click "Domain Management" on the left to set the domain.



Domain setup

Step 2: Input the domain in the textbox. For example, you set 'IP-CAMERA' as the domain.
Step 3: Click "Submit" button, the system will pop up a dialog box to show that the domain is added successfully.

Note: Time of probationary period is one month. If user wants to use it continuatively after one month, please Step 4: click "Buy Now" in the right of homepage to pay for it.

2. Setup in the IP-CAMERA

(1) DOMAIN

Domain is set in '1. Apply the Domain Name'. According to the example above, the domain is 'WWW. IP-CAMERA.dns2p.com'.

(2) USER ID

Username of registered which is set in '(1) Register in the Web'. According to the example above, user ID is 'abc'.

(3) PASSWORD

Password is set in '(1) Register in the Web'. According to the example above, password is '123456'.

Note: If the connection fails, press the "INFO" button. Now the system will display: 'DDNS NONE'. Then you need to check network and information above and try again.

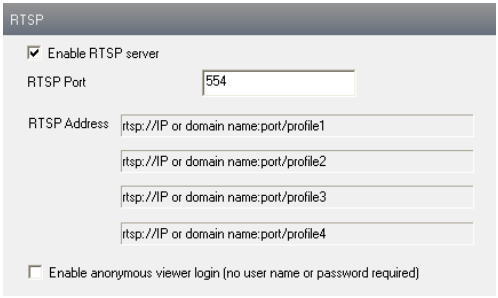
3. Application

Connect IP-CAMERA to the Network Client.

Step 1: After popping up the login interface, fill in "Server" textbox with '*.dns2p.com' to visit the Network Client of the IP-CAMERA. The domain set in '(3) Domain Setup'. According to the example above, fill in "Server" textbox with 'IP-CAMERA.dns2p.com'.
Step 2: Click "save" button to save the above setting.

5.5.6 RTSP

Enter into "Network Configuration"→ "RTSP" interface as shown below:



1. Select "Enable RTSP server.
2. RTSP Port: Access Port of the streaming media. The default number is 554.
3. RTSP Address: The RTSP addresses are inputted in the media player.

Application: This device supports VLC player. You can upload the VLC player in the related website and then select "File"→"Open URL" from the tool bar of the player. You will see the live image which is the same with that of playing through IE.

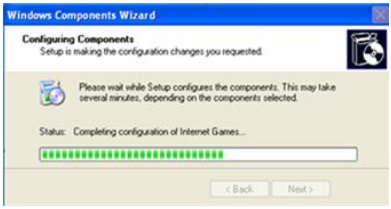
5.5.7 UPNP

Enter into "Network Configuration"→ "UPNP" interface as shown below:
Select "Enable UPNP" and then input friendly name.

Enable UPNP

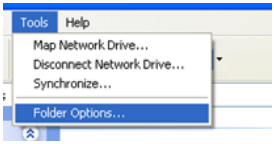
Double-click the "My Network Places" icon on the desktop in PC and select "Show icons for networked UPnP devices" in the "Network Tasks" list box. Then a information window will pop up. Click "YES" button to see a "Windows Components Wizard" dialog box pop up as shown below. Then press "Next" to continue. After finished the installation of configuring components, the UPnP icons will display. Users can double-click certain icon to connect the

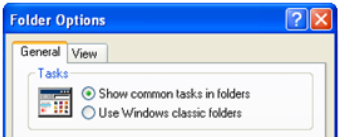
remote surveillance login interface through IE.



If "Show icons for networked UPnP devices" can't display in the "Network Tasks" list box, please follow the below operation:

- Click "Tools"-- "Folder options"
- Check the "Show common tasks in folders" in the "Tasks" check box, UPnP icon will display.





5.5.8 Mail Setting

Enter into "Network Configuration" → "Mail Setting" interface. Please refer to below picture.

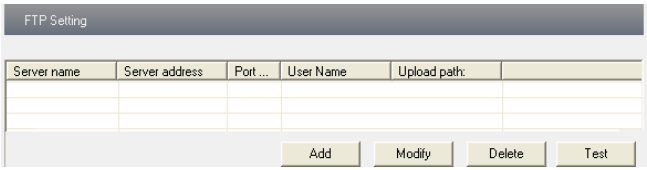
1. From Email: sender's e-mail address
2. User name and password: sender's user name and password
3. Server address: SMTP name of sender
4.Select the secure connection type at the Secure Connection pull down list according to user' actual needs
5. Receival email address list: add email address into the list
6. Receival email address: receiver's e-mail address
7. After all parameters setup, user can click "Test your account settings". If email sent

successful, a “Test Successful” window will pop up, if not, users can try other email addresses or check the setting.

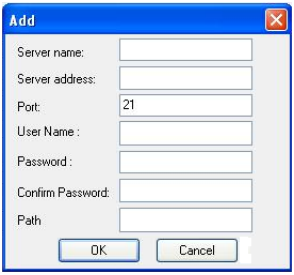
Note: If you change the static IP into PPPoE and select mailbox, there will be an e-mail sent to users’ mail box for notifying a new IP address.

5.5.9 FTP

Enter into Network Configuration→FTP interface; please refer to below picture.



1. Add: Click Add button to input FTP server’s server name, address, port number, user name, password, and upload path, click OK to confirm the setting. Refer to the following picture:
Modify: Your can click this button to change some information of the FTP server
Delete: Select certain FTP account; Click this button to delete this account
Test: Select certain FTP account; Click this button to test its valid or not.
Please refer to the following table for parameters and instructions of FTP configuration.



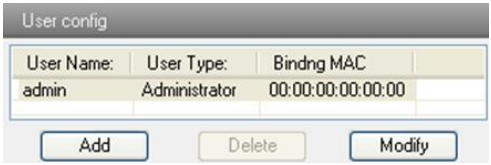
Parameter	*Meaning*
Server name	The name of the FTP server
Server address	The address of the FTP server
Port	The port number of the FTP server
User name	The user name of the FTP server
Password	The password of the FTP server
Path	The save path for FTP files

5.6 Advanced Configuration

Advanced configuration includes five submenus: User Configuration, Onvif Configuration, Security Configuration, Configure Backup & Restore, Reboot and Upgrade.

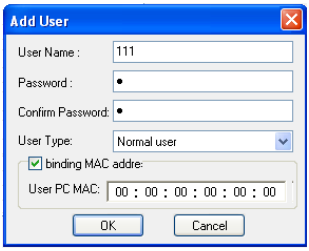
5.6.1 User Configuration

Enter into "User Configuration" interface. Refer to the following picture:



Add user:

1. Clicking "Add" button pops up "Add user" dialog box as shown below:

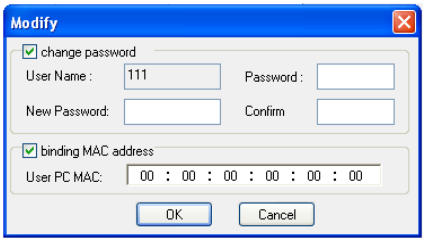


After binding physical address to the IP-CAM, you can access the device on this PC only. If the MAC address was ““00:00:00:00:00:00” which means it can be connected to any computers.

2. Input user name in "User Name" textbox (only letters).
3. Input characters in "Password" and "Confirm Password" textbox (letters or numbers).
4. Input the MAC address of the PC in "Binding MAC address" textbox.
5. Click “OK” button and then the new added user will display in the user list.

Modify user:

1. Select the user which needs to modify password and physical address in the user configuration list box.
2. Clicking “Modify” button will pop up “Modify user” dialog box as shown below.



3. Input original password of this user in the “password” text box.
4. Input new password in the “New password” and “Confirmation” text box.
5. Input computer’s physical address which is used to access the server in the “User PC MAC”

text box.
6. Click “OK” button to modify user’s password and binding MAC address successfully.

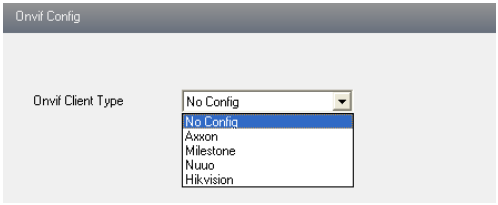
Delete user:
1. Select the user which needs to delete in the user configuration list box.
2. Clicking “Delete” button will pop up a confirm dialog box. Then click “OK” to delete the user.

Note: The default super administrator cannot be deleted.

Parameter	*Meaning*
User Name	User name to operate the logon client end
User Type	Type of users, normal user, advanced user and super administrator
Binding MAC address	The MAC addresses of user access the server which should setup according to actual MAC address of server.
Password	Password to log in the client terminal
Confirm Password	Password to log in the client terminal

5.6.2 Onvif Configuration

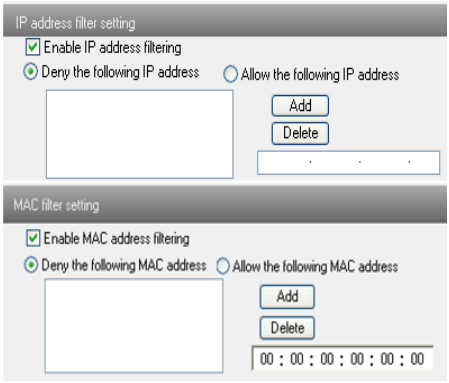
This function is mainly used for connecting our device through other companies’ monitoring platform software, such as, Hikvision, Axxon, Milestone., etc.



5.6.3 Security Configuration

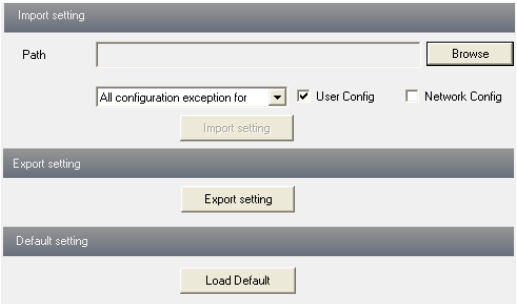
Enter into Advanced Configuration→Security Configuration to see a tab shown below:
Check “Enable IP address” check box, select “Deny the following IP address”, input IP address in the IP address list box and click “Add” button. Then this IP address will display in the list box; the operation step of “Allow the following IP address” is the same with “Deny the following IP address”
Select the IP address which needs to be deleted from the IP address list box and click “delete” button to delete that IP address.
Check “Enable MAC address” check box, select “Deny the following IP address”, input MAC address in the MAC address list box and click “Add” button. Then this MAC address will display in the list box; the operation step of “Allow the following MAC address” is the same with “Deny the following IP address”.
4. Select the MAC address which needs to be deleted from the MAC address list box and

click “delete” button to delete that MAC address.
5. Click "save" button to save the above setting.



5.6.4 Configure Backup & Restore

Enter into Advanced configuration→Configure Backup & Restore Interface.



- **Import & Export Configuration**:

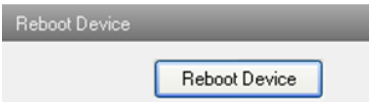
User can import or export the setting information from PC or to device.
1. Click “Browse” to select save path for import or export information on PC.
2. User can import or export all setting information to PC, but those two settings “user configuration” and “network configuration” are exceptional.

- **Default Configuration**

Click “Load default” button to restore all system settings to default status.

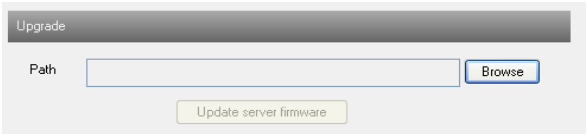
5.6.5 Reboot Device

Enter into Advanced configuration—Reboot device to see a interface as shown below:
Click “Reboot device” button to reboot the device.



5.6.6 Upgrade

Enter into Advanced Configuration—Upgrade interface.

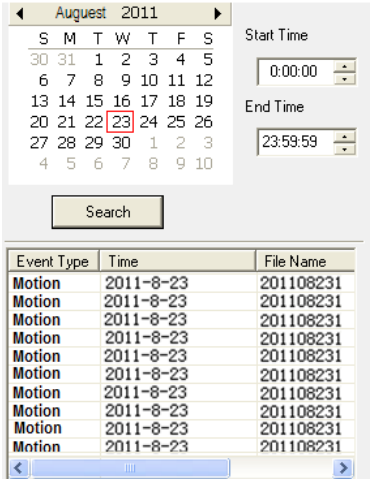


1. Click “Browse” button to select the save path of the upgrade file
2. Click “Upgrade server firmware” button to start upgrading the application program
3. The device will restart automatically
4. After you successfully update the software, click “OK” button to close IE and then re-open IE to connect IP-Cam.

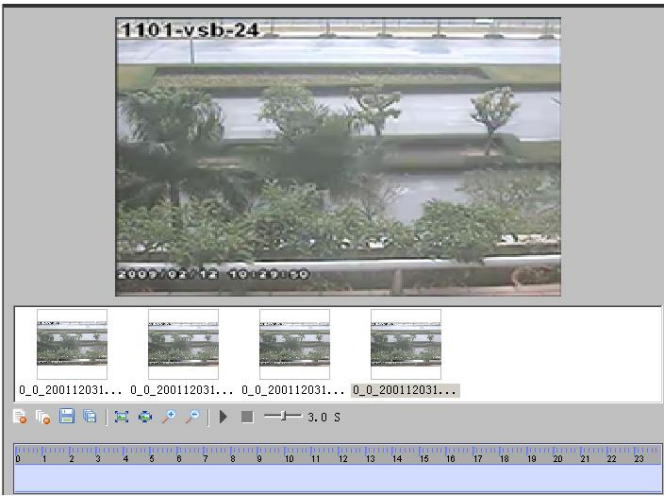
Caution! You can’t disconnect to PC or close the IP-CAM during upgrade.

6 Video Search

Click “picture” icon and search the images which saved in the SD card.



1. Select date in the “calendar”, check “motion detection” relatively and click “search” button. Then the triggered snap pictures will be displayed in the list box.
2. Double click a filename or select a filename and then click “view” button in the list box to view snap pictures.



Definitions of function buttons:

Item	*Buttons*	*Explanations*
1		Close: Select certain picture and click this button will close this preview picture.
2		Close all: click this button will close all preview pictures
3		Save: click this button, select the save path of the picture file on PC to save this preview picture
4		Save all: click this button, select the save path of the picture files on PC to save all preview pictures
5		Fit size: click this button, the preview pictures will fit on screen
6		Actual size: click this button to display the actual size of the preview pictures (for user's requirements)
7		Zoom in: click this button to amplify the preview picture, user can drag cursor to view request areas.
8		Zoom out: click this button to zoom out amplified preview picture
9		Slider play: click this button to play preview pictures on the mode of slider
10		Stop: click this button to stop slide show
11		Play speed: play rate of the slide show

7 Mobile Surveillance

This IP-CAM supports mobile surveillance by phones with Windows mobile, iPhone, Android and Blackberry OS. Please check the operation system version of mobile before use; and connect the IP-CAM to Internet.

7.1 Network Configuration

- **Access device via LAN**

Step 1: Connect device via wireless router. Then checkmark DHCP both in router and device to automatically acquire IP address or enter the IP address manually. Please enter Main Menu→Information→Network tab to see the IP address.
Step 2: Use WIFI function in your mobile phone to connect the wireless router.
Note: Make sure your phone network and device network are in the same network segment on LAN.
Step 3: Add the IP address and port in the mobile phone surveillance client.

- **Access device via 3G network**

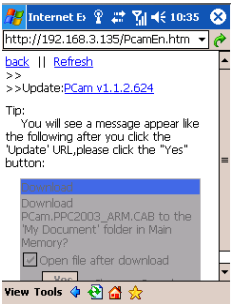
Step 1: Set the device network. Please enter Main Menu→Setup→Network tab.

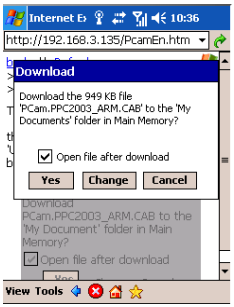
- If you use PPPoE to connect device, please enable PPPoE and input username and password received from you ISP in network tab. Then click "Apply". You can enter Main Menu→Information→Network tab to see the IP address. If you want to utilize dynamic domain name, please apply for a domain name in a DNS server supported by the device.
- If you have a static WAN IP address, please enter Main Menu→Setup→Network tab to input your IP address, gateway and port.
- If you use LAN IP address, please enter Main Menu→Setup→Network tab to input your IP address, gateway and port and then forward IP address and port number in virtual server setup of the router or virtual server(If you has enabled the UPnP function in both the device and router, you can skip this step). Port forwarding setting may be different in different routers and servers. Please refer to the router's manual for details. After you forward your LAN IP address and port, please check the WAN IP address in the router or server.

Step 2: Add the WAN IP address or domain name in mobile phone surveillance client.

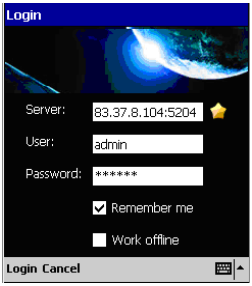
7.2 By Phones with Windows Mobile OS

Step 1: Firstly activate the network access on mobile phone and then run "Internet Explorer". Input the server's address and the connection is built up shown as below:
Step 2: Click on the software name. A dialog box pops up:





Step3: Run this software after installed, the login interface will popup

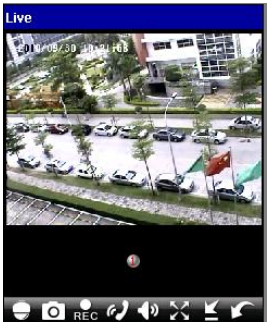


Enter server's IP address (or domain name), user name and password
Click "Remember server" to save the setting; click button can quick input saved server address, user name and password.
Work offline: view local record and snap.

Main interface

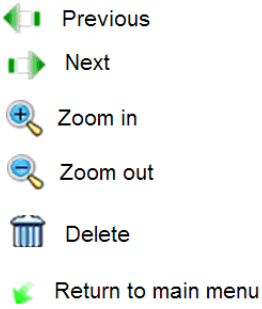
[Local play]	playback record file
[Image View]	View images
[History log]	Log record
[Favorites]	Server list
[Live View]	View the live
[Remote Set]	Not available
[Local Set]	Software setting
[Information]	Device information view
[Help]	Software help

Live view

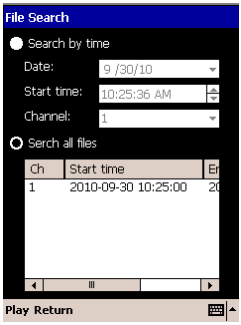


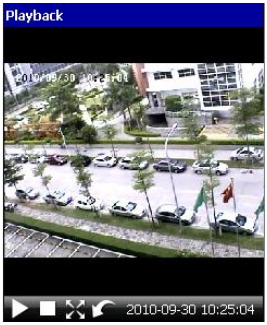
	PTZ, click to switch to the second picture.		Snap
	Record		Talk
	Live audio		Full screen
	Hide		Return
	Upward rotates the PTZ		Downward rotates the PTZ
	Leftward rotates the PTZ		Rightward rotates the PTZ
	Stop rotating the PTZ		Zoom in/ Focus in/ Iris Add
	Zoom out/ Focus out/ Iris Sub	Preset	Select the preset point
Cruise	Set the cruise line		

Image view



Record playback

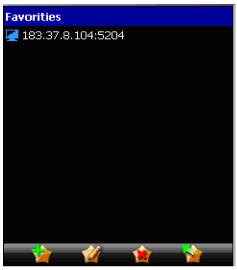




	Play/ pause
	Stop
	Full screen
	Return to record file interface

Click the record file to playback.

Server list



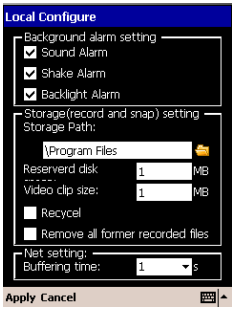
Add a server list

Modify a server list

Delete a server list

Return to the main interface

Configuration interface



Main parameters for mobile phone video configuration.

Select Sound Alarm: When Video Loss/Sensor/Motion happens，sound alarm will be triggered.

Select shake Alarm. When Video Loss/Sensor/Motion happens，shake alarm will be triggered.

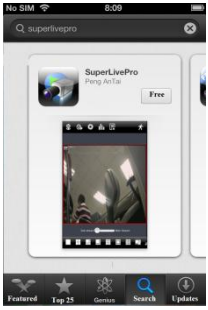
Select backlight Alarm: When Video Loss/Sensor/Motion happens, backlight alarm will be triggered.

Reserved disk: Reserved SD Card disk space, when the disk space is less than setup value, the video will be stopped.
Video clip size: Single video size. When the video size is greater than setup value, change another video files
Recycle: continuous record.
Remove all former recorded files: delete all record files of the current device.
Buffering time: Buffering time of video display.

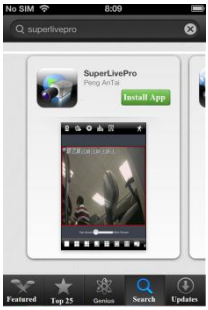
7.3 By Phones with iPhone OS

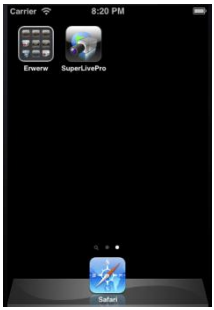
◆ Install through Iphone

Step 1: Open App Store software as shown in the figure on the left.
Step2: Search “SuperLive Pro” and click “Free” button as shown in the figure on the right.



Step 3: Click “Install App” button as shown in the figure on the left.
Step 4: Input iTunes Store password and then click “OK”. The software will be installed automatically.





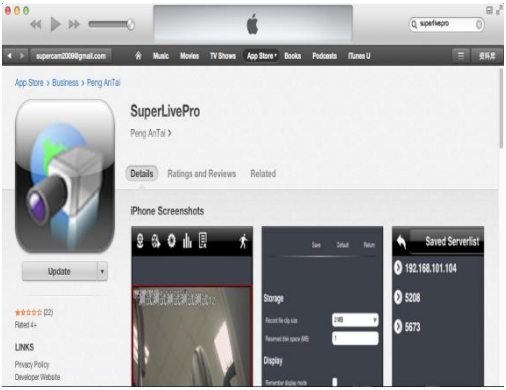
◆ Install Software through PC

Step 1: Install iTunes store in PC and then login.

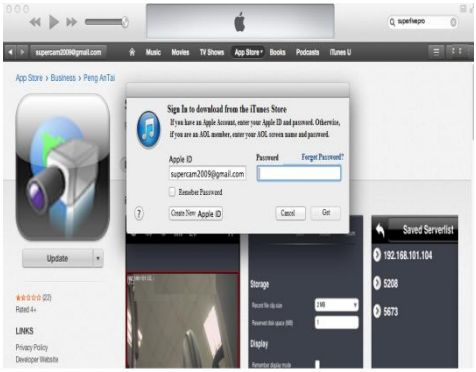
Step 2: Connect iPhone and PC.

Step 3: Search “SuperLivePro” and select it.

Step 4: Click “Download” button.



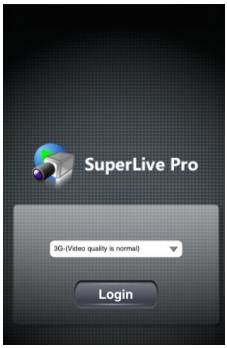
Step 5: Input username and password.



Step 6: Synchronously apply SuperLivePro software to iPhone/iPad.

◆ **SuperLive-Pro Instruction**

Login



Step 1: Choose network. There are two network connection ways:
3G/3G +WIFI, well video quality. This network supports main stream in single channel playing and sub stream. The real-time image will be displayed by using sub stream.
3G-, poor video quality contrast to the above mentioned network.

Step 2: Click Login. Then click button to add device name, IP address, Port, username and password.

Step 3: In the live interface, choose one channel and click to pop up the server list. Then unfold the channel and choose a channel to display the live image.

Live

There are many buttons in live interface, such as, screen mode, favorite channel, snap, record, open/close audio, talk, PTZ., etc.

: Image view button. The pictures snapped in the live will be checked by clicking this button. You will view these pictures in this interface.

: Playback button. Click this button to enter into playback interface.

: Settings button. Click this button to set local configuration (Some can also support remote configuration).

：Information button. Click this button to check lots of information including local information, device information, network information, etc.

：Server list edition button. Click this button to add server list.

：Log off button. Click this button to return to the login interface.

：Screen mode button. You can choose 1，4，6，8，9，13 or 16 screen display mode.

：Favorite channel display button. If you save your favorite channel in the list, clicking this button will directly play all favorite channels you have saved.

:Multiple channel choice button. You can select multiple devices at the same time and let multiple channels to play simultaneously (The channels can not exceed the maximum number of the current screen display mode).

：Snap button. Choose the channel and click this button to capture the channel image.

：Local record button. Choose the channel and click this button to start recording.

： Open/Close audio. Choose the channel and click this button to open/close the audio of this channel.

：Open/Close talk. Click this button to pop up the servers which support talk function. Select the device to start talking.

：Set video parameter button. Select the channel and click this button to set the video parameters including brightness, hue, saturation and contrast.

：PTZ button. Click this button to pop up PTZ control panel.

： Stream switch button. If “3G/3G+/WIFI” network mode is selected, you can switch between sub stream and main stream when only the single channel is playing.

Other operation：

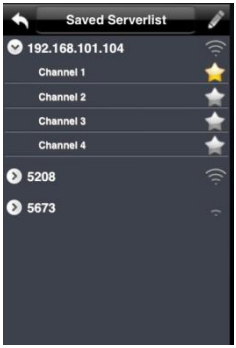
When the single channel is playing, the channel can be switched by swiping your finger left and right.

When the single channel is playing, you can zoom in/out the image by swiping you finger up and down

Server list

You can simultaneously connect 20 devices at most and there is a demo address for user test.

1） Saved Server List interface A



When there is no any video information playing for the channel in the live interface, click this channel to enter the above-mentioned interface.
Where there is video displaying for the channel in the live interface, long press this channel to enter the above-mentioned interface.

: Return button. Click this button to return to the current interface.

: The current server list name. Click this button to switch between saved server list and favorite server list.

: Edit button. Click this button to enter edit list.

: It indicates a device. the device channel will unfold by clicking the device name.

: It shows connection status. means the device has been connected. means the devices is connecting. means the device is not connected.

: Color means the device has been saved in favorite server list. Gray means the device has not been saved in favorite server list.

2）Saved Server List interface B

Click edition button to enter the above-mentioned interface.

：Finish button. After you finish editing, click this button to return to the saved server list interface.

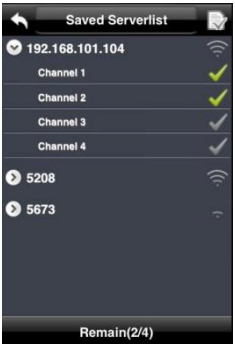
：Delete button. Delete the device. If this device has been added to favorite server list, deleting it here will also be deleted in the favorite server list.

：Add button. Add a new device.

3）Saved Server list interface C

Click button in the live interface to enter the above-mentioned interface.

4）Multiple Channel Choice Interface



Click button to enter the above-mentioned interface.

：Click this button to return to the live interface and play the selected channel image.

：Selection button. Click the grey button to change it into color. The color button means the channel is selected to play.

：The front number means you have already selected two channels to play. The number after two means you can choose 4 channels at most.

Favorite Server List A

Click Saved Server list button to enter favorite server list interface.

：Color means the channel has been selected. Gray means the channel hasn't been selected.

Click button on the live interface to play the selected favorite channels. You can select 16 channels to play at one time.

Favorite Server List B

Click the edition button in the favorite server list to enter the above-mentioned interface.

：Click this button to delete the favorite device. The favorite channels under this server name will also be deleted.

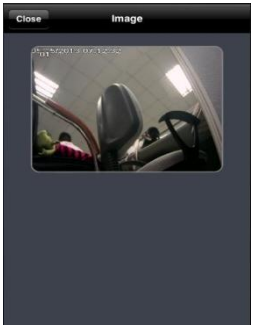
：Delete the favorite channel.

Favorite Server List C

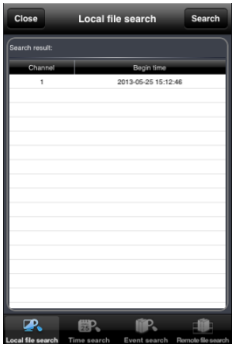
Click button in the live interface to enter saved server list interface. Then click saved server list button to switch to the above-mentioned interface.

Image View

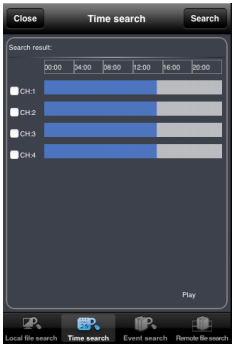
View the snapping pictures.



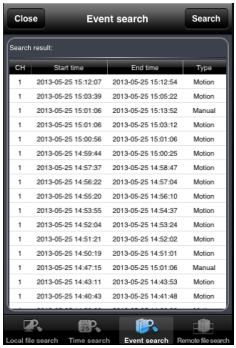
Playback Interface



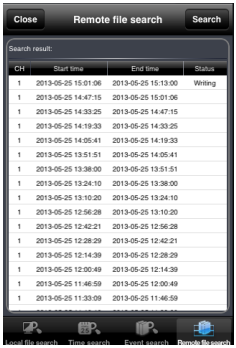
(Fig 1)



(Fig 2)



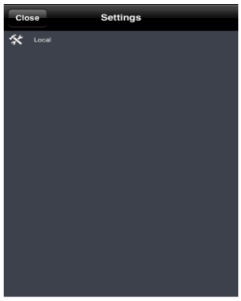
(Fig 3)



(Fig 4)

Fig 1 is local playback; Fig 2 is remote playback by time search; Fig 3 is remote playback by event search; Fig 4 is remote playback by file search. Only a part of devices have the latter 3 playback modes.

Settings Interface



This interface includes local configuration and remote configuration (only some devices support this function). You can configure the local software or remotely set the device.

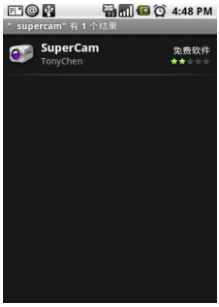
Information Interface

In this interface, you can view system information, network information and online user information.

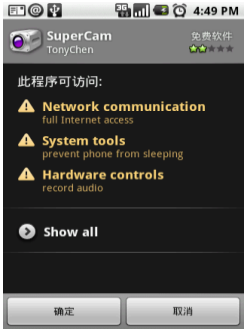
7.4 By Phones with Android OS

Software Installation

Step 1: Run Google Market program
Step 2: Search ”Supercam”



Step 3: Press “Install” button.
Step 4: Click “OK” button.

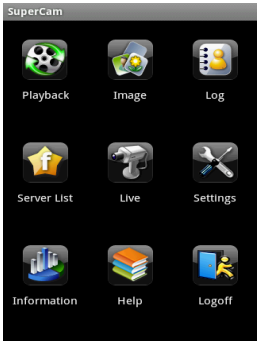


Step 5: User can view the download and install process in notifications; finished download, the software will install automatically.

Login

Enter into server's IP address (or domain name), user's ID and password.
Click "Remember server" to save the setting; click ▼ button can quick input saved server address, user name and password.

Main menu



Playback	playback record file
Image	image view
Log	log record
Server List	device list
Live	live view
Settings	software setting
Information	device information view
Help	software help center
Logoff	logoff and return to login interface

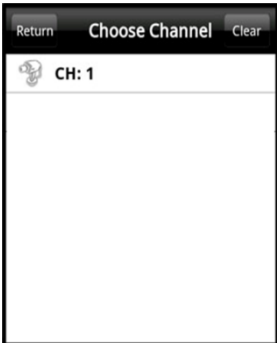
Live view

Item	Description	Item	Description
	Snap		Hide
	Live audio		Record
	hide		PTZ, click to switch to PTZ interface

Image view

	The first picture
	The previous picture
	Next picture
	The last picture
	Zoom in
	Zoom out
	Delete picture

Record playback



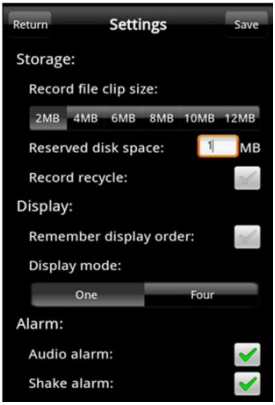
	Play/pause
	Stop
	Fast forward
	Slow playback

Click Playback icon in the main menu interface to enter into the playback interface. Then choose the channel and file. Double click the file name to playback.

Server list

Add	Add a server list
Modify	Modify a server list
Delete	Delete a server list
Return	Return to the previous interface

Config interface



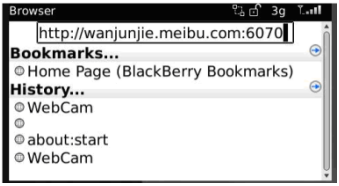
Alarm setting	If Audio alarm is enabled, when Video Loss/Sensor/Motion happen , sound alarm will be triggered; If shake Alarm is enabled, when Video Loss/Sensor/Motion happen , shake alarm will be triggered.
Storage setting	User can setup the relevant parameters of mobile video. This function can be valid only insert SD card.
Display setting	User can setup display order or display mode.

Information view

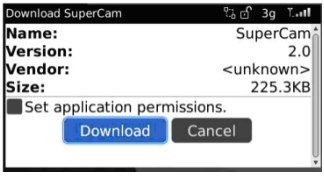
In this interface, user can view the information of device and phone, such as device name, device ID, the software version of device or phone, etc.

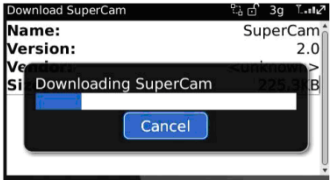
7.5 By Phones with Blackberry OS

1. Open the browser of BlackBerry phone and enter sever address.
2. Click “Supercam” to link.

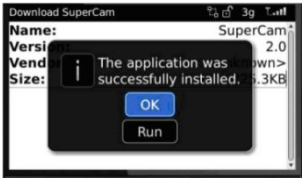


3. Click “Download” button on the popup interface and the download progress will be shown.





4. Finished downloading, the software will be installed automatically.

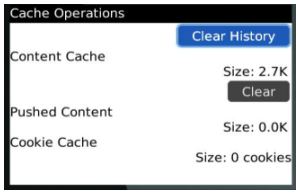


Note: If the software fails to download, please check in accordance with the following steps:

1. Check whether the network of mobile phone is normal or not
2. Check whether the IP-Cam server connect network normally or not
3. Modify the option of Browser Configuration.

(1) Enter into Menu->Option->Browser Configuration; configuration referring to the following figure in the left.

(2) Enter into Menu->Option->Cache Operations, clear up browser cache. Refer below picture in the right:



Note: When the user uses the Supercam software in the mobile phone with touch screen, there will be compatible problem.

Solution: Enter into Options Menu->Advance options->Applications->Supercam and click "Disable Compatibility" button. This problem will be solved.

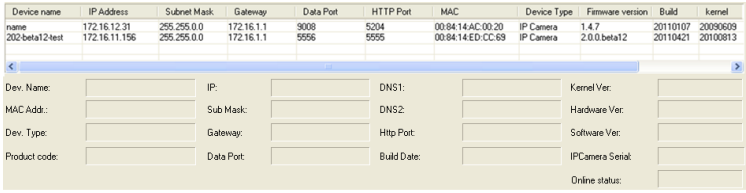
8 IP-Tool

Updating through IP-Tool

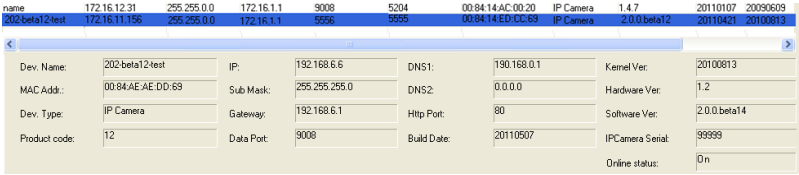
Note: Do not cut off power supply and internet when updating; If the device is unable to start because of the failure of upgrade, it needs to retrofit.

First， acquire the IP-Tool from the supplier and then double click the IP-Tool icon

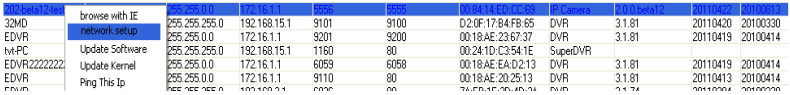
to run this software. Then the device can be searched; if the device can't be searched, please check whether the PC and the device connect to the network or not.



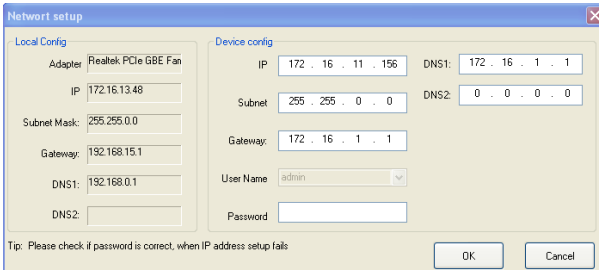
Click the device to check its detail information shown as below:



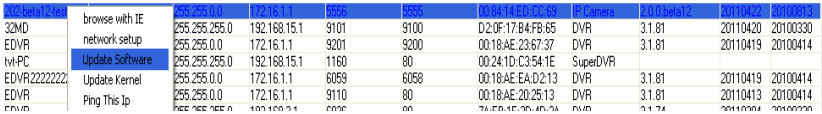
When upgrading the software and kernel, the IP address of PC and device should be at the same network segment. If the network segment is different, user should change the IP address by right clicking the device and then select "network setup".



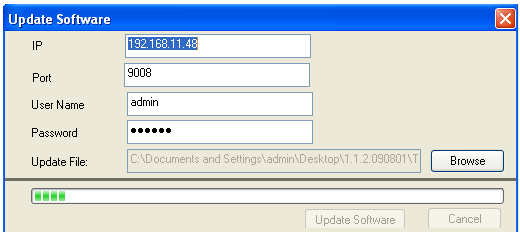
Modify IP address dialog box will appear as follows:



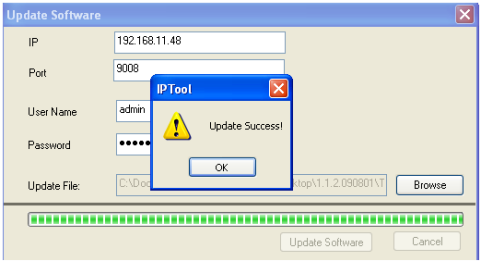
Modify IP address and click OK button to exit the dialog box, IP-Tool will display the new IP address. Select the device; right click “Update software” as below picture shows:



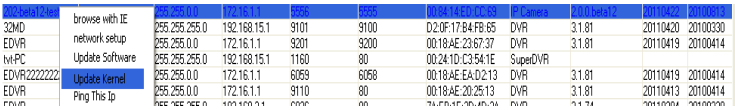
Click “Update” to start upgrading，the progress bar will display as below. When upgrading, please do not disconnect PC and the device and make sure the power is on.

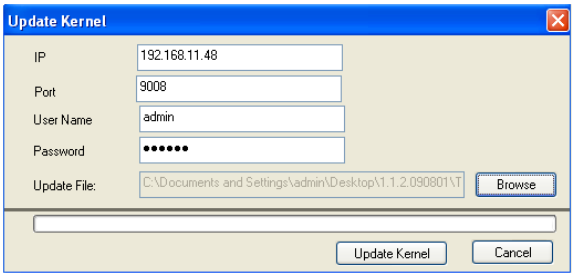


After finishing upgrading, a massage box will pop up as below:

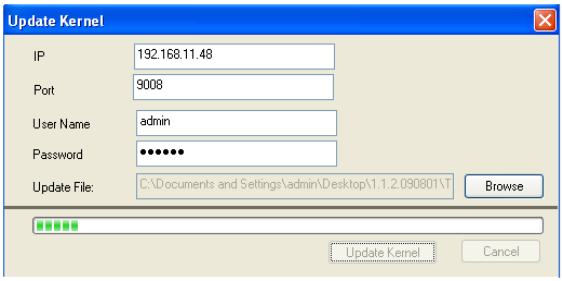


Click OK button to exit the update dialog box, and then the device will restart automatically. Select the device, right click it to select “Update kernel” and then a dialog box will appear as below:





Enter into Update Kernel interface dialog box, input username and password; click “Browse” to select the Update file (mboot8180-8180); click “Update” button to start updating. Do not disconnect PC to device when upgrading and make sure the power is on. The update progress bar will display as below:



After finishing upgrading, a message box will pop up. After a while, the device will restart automatically.

9 Q & A

1. Q: Forget password

A：Joint the default line and GND line to reset.

Default IP: 192.168.0.201

User name: admin

Password: 123456

2. Q：Cannot connect devices through IE browser

A: Network doesn't connect well. Please check the connection and make sure it connected well.

B: IP is not available. Reset the valid IP.

C: Web port number has been revised: contact administrator to get the correct port number.

D: Exclude the above reasons. Recover default setting by jointing the default line and GND line.

Note: default IP: 192.168.0.201，mask number: 255.255.255.0

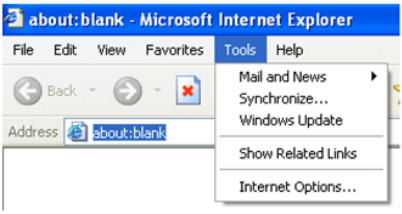
3. Q：IP tool cannot search devices.

A：It may be caused by the anti-virus software in your computer. Please exit it and try to search device again.

4. Q：IE Cannot download ActiveX control.

a. IE browser blocks ActiveX. Please do setup following below.

① Open IE browser. Click Tools-----Internet Options….



② select Security------Custom Level….Refer to Fig 4-1

③ Enable all the sub options under "ActiveX controls and plug-ins". Refer to Fig 4-2

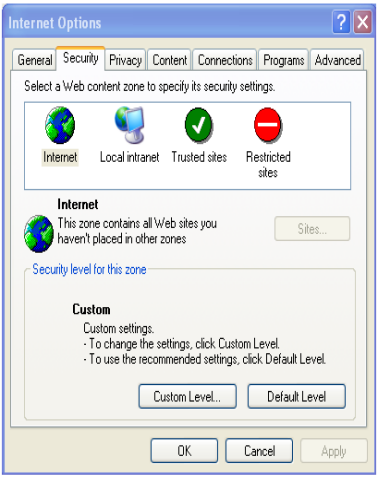


Fig 4-1

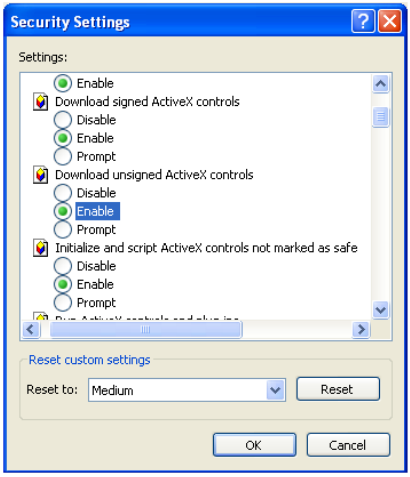


Fig 4-2

④ then click ok to finish setup.

b. Other plug-ins or anti-virus blocks ActiveX. Please uninstall or close them.

5. Q：Why not sound?

A： Without connect audio input device. Please connect and try again.

B: Without enable audio function at the corresponding channel. Please check AUDIO item to enable this function.

6. Q：Why doesn't the device connect to wireless?

A: Check the statues of wireless router. Please make sure the router is open

B: Check the router and the device port. Please make the router setup is matched with device port.

7. Q: How to do when the device is unable to start normally when upgrading?

If the device is unable to start normally when upgrading, please rename the files suffixed with .tar as updatepack.tar and copy it to the root directory of SD card. Restart the device and then the device will upgrade automatically from the SD card. After finishing upgrading, the user can search the IP address of IP Cam in the IP Tool.

10 Specification

Model	CMOS 2 Mega Pixel Network IR Weather-proof Camera
Video compression	H.264
Audio compression	G711A
Image resolution	1080P ,720P,VGA,QVGA
Video resolution	1920x1080(1080P)；1280x720(720P) 640x320 (VGA)； 320x160(QVGA)
Frame rate	Max30 fps
stream	1080P: 1024kbps ~ 12288 kbps (Adjustable)
	720P: 512kbps ~ 6144 kbps (Adjustable)
	VGA: 128kbps ~ 2560 kbps s(Adjustable)
	QVGA: 64kbps～1024kbps(Adjustable)
Audio	1-ch MIC input, 1-ch MIC output
Net Protocol	TCP/IP, DHCP, PPPoE, DDNS, SMTP, UPnP，RTSP,NTP
LAN	10/100M RJ45
Remote control	IE browsing，remote control via CMS
IR Range	30m
Protection Grade	IP66
Client number	Max six
Power	DC12V/PoE

A2