

# IP Camera

( Kai Cong IP camera SIP 1602 )

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**KaiCong**



**SIP 1602 User manual**

2014-03-14 V1.0






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## Statement




If the user manual can not help you to solve the problem, please call our technology center for solutions. We will update the content for the new functions without notice.

## Notice

### 1、 Installation Environment

-  Keep away from the places for high-temperature, heat source and direct sunlight;
-  Keep away from water and when get wet, cut off the power immediately.
-  Avoid using at damp environment; the reference range for operation humidity is below 85%RH.
-  Avoid using in overheating and too cold environment, the reference range for operation temperature is  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$
-  Please install it horizontally or wall mounting, avoid strenuous vibration place and not put other equipments onto the item

### 2、 Transport and Handling

-  The package is well-designed to ensure the security during the delivery, so please do not change the package at random.
-  Do not move the ip cameras from overheated to supercooled condition frequently, otherwise it will frost and shorten the service life.
-  Do not move the item when is power on, otherwise the main board might be damaged.



### Notice:

1. Please check the power supply before it is working
2. Be careful not to bang the camera or subject it to strong impacts or shocks.
3. Do not directly touch the optical components for the image sensor, if necessary, please place a clean and moistened cloth with alcohol and wipe the dirt gently; When not in use, please place the dust cover on to the item to protect the image sensor.
4. Do not aim the camera directly into the sun or at other intense light sources that could affect the image quality (it is not the problem for the ip camera), also shorten the service life for the image sensor.
5. Keep away from laser when it is working, otherwise the image sensor can be damaged.
6. If the equipment is not working properly, please contact the store or the service center, do not disassemble or modify the equipment in any way. (Problems caused by unauthorized modification or repair should be at your own risk.)

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# 1 Product introduction

## 1.1 Product summary

Thank you for choosing our company's L series IP camera, the IP Camera combines a high quality digital video camera with network connectivity and a powerful web server to bring clear video to your desktop from anywhere on your local network or over the Internet. It is very suitable for family, shops, office building and so on.

### Main features for L series:

- ◆ The video is compressed by MJPEG. There are VGA/QVGA/QQVGA three video resolutions optional. User can changes some parameters according to their demands to satisfy his own visual prefer;
- ◆ Infrared LED for night vision covers 5m area, to realize 24 hours monitoring;
- ◆ Support 802.11b/g/n protocol, can build up wireless monitoring;
- ◆ Support motion detection, send alarm information by email and FTP;
- ◆ Support mobile phone to view;
- ◆ Built in web server, all data is transferred through one port; it is easy for user to do the network setting;
- ◆ Manufacture attached a label at the bottom of each IP Camera, it include DDNS. When IP Camera is connected to the internet, this URL can be used to visit the device;
- ◆ Manufacturer provides free software, support Multi-view, long time recording, video playback etc;

Notice:

- ◆ Please check carefully if all listed items are included in the package, if anything missing, please contact vendor in time.

## 2 Installation guide

### 2.1 Wired connection to LAN

- 🔧 Power on the IP camera, connect IP camera to router by network cable, meanwhile, connect computer to the same router, example of figure 1.

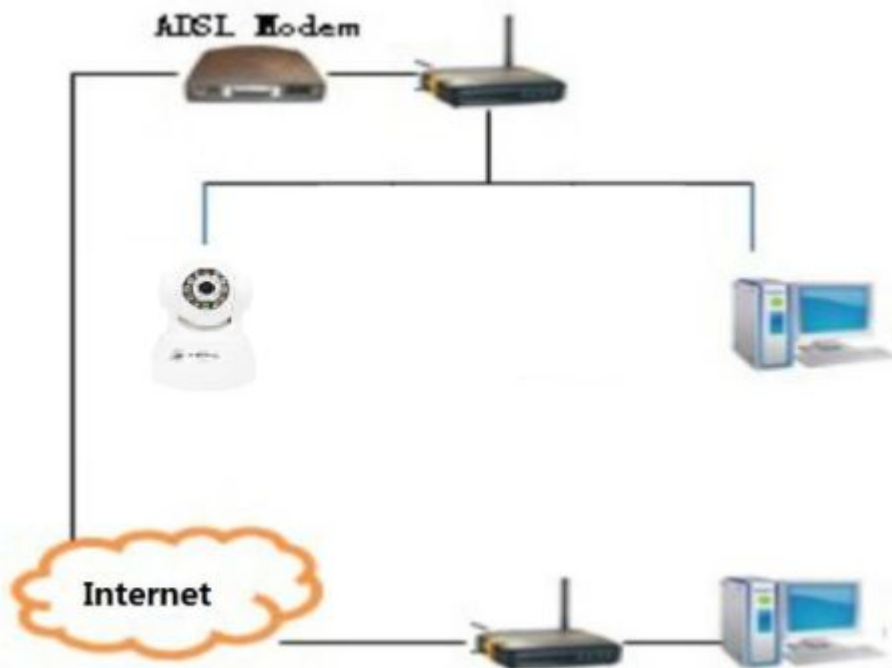


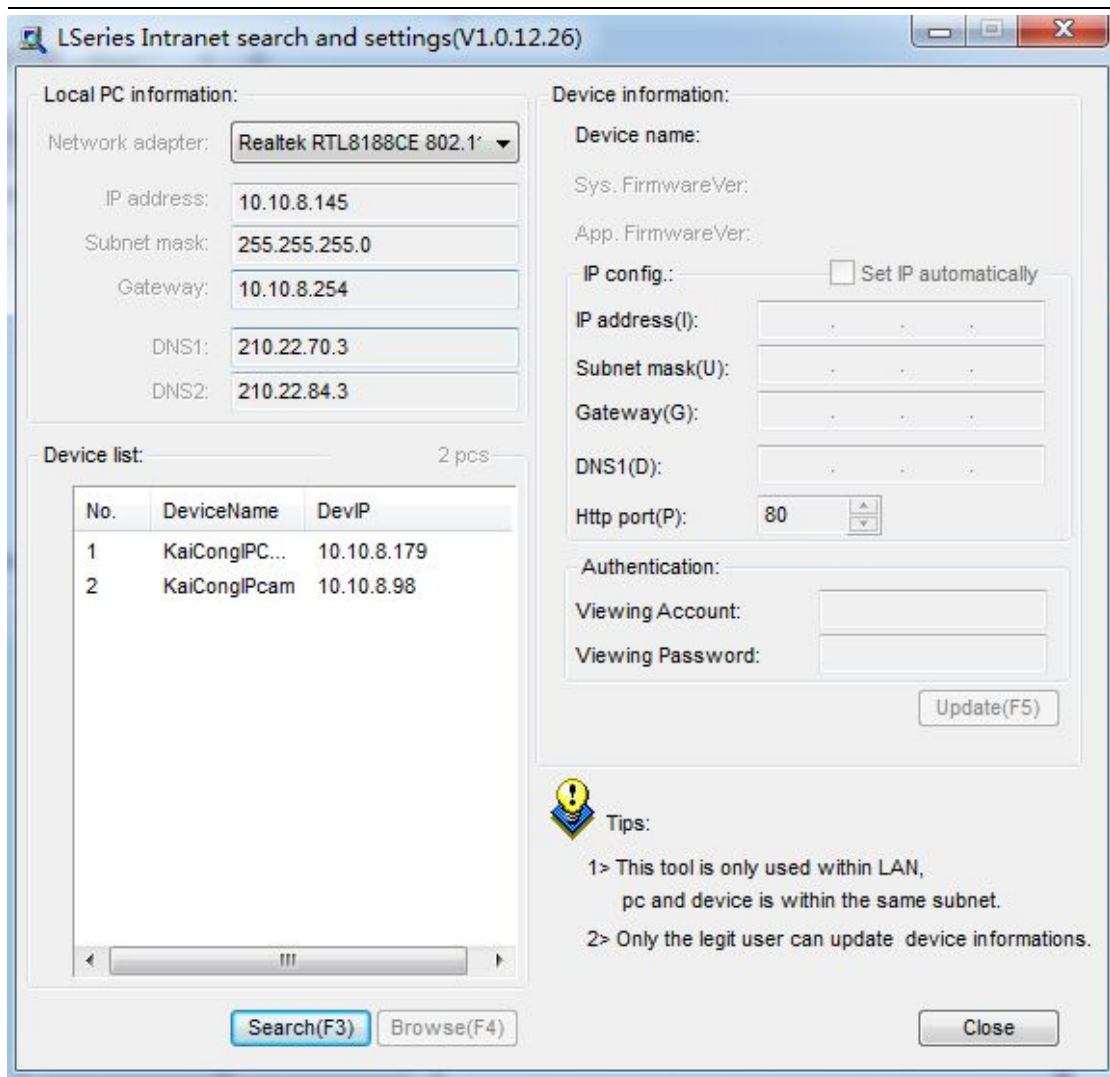
Figure 1

Search IP Camera

Download search software, click on " Search ".

<http://www.kaicong.net/fusheng/160xSearchen.rar>

Anything else, please contact me.



- run the software, click “Search”, select the device searched, click “Browse” to open browser, it will pop up user login dialog, enter default user name([admin](#)) and password([123456](#)) to login the camera as figure 2.

# KaiCong IP Camera

[KaiCong Official Website](#)

[KaiCong Technology Forum](#)



Figure 2

We suggest using IE kernel browser to view the video ( [it can provide more functions](#) ), but user needs to install video player before viewing the video. Click “[OCX Download](#)” to download OCX and install it.

## Notice:

- ◆ If you installed the firewall software in your PC, when you run the LSearch\_en.exe, it may pop up a window to say “whether you want to block this program or not”, then you should choose not to block.
- ◆ You can hold on reset button on the camera for 10 seconds to restore factory default if you forget user name and password, during the process, don't disconnect the power, otherwise the camera maybe damaged.

## 2.2 WIFI connecting to LAN

You can connect the camera with router by wireless connection, as figure 3.



Figure 3

Before connecting router by wifi, please connect them as chapter 2.1 to Login camera and enter wifi setting, and then operate as the following step, example of figure 4.

Anything else, please contact me.

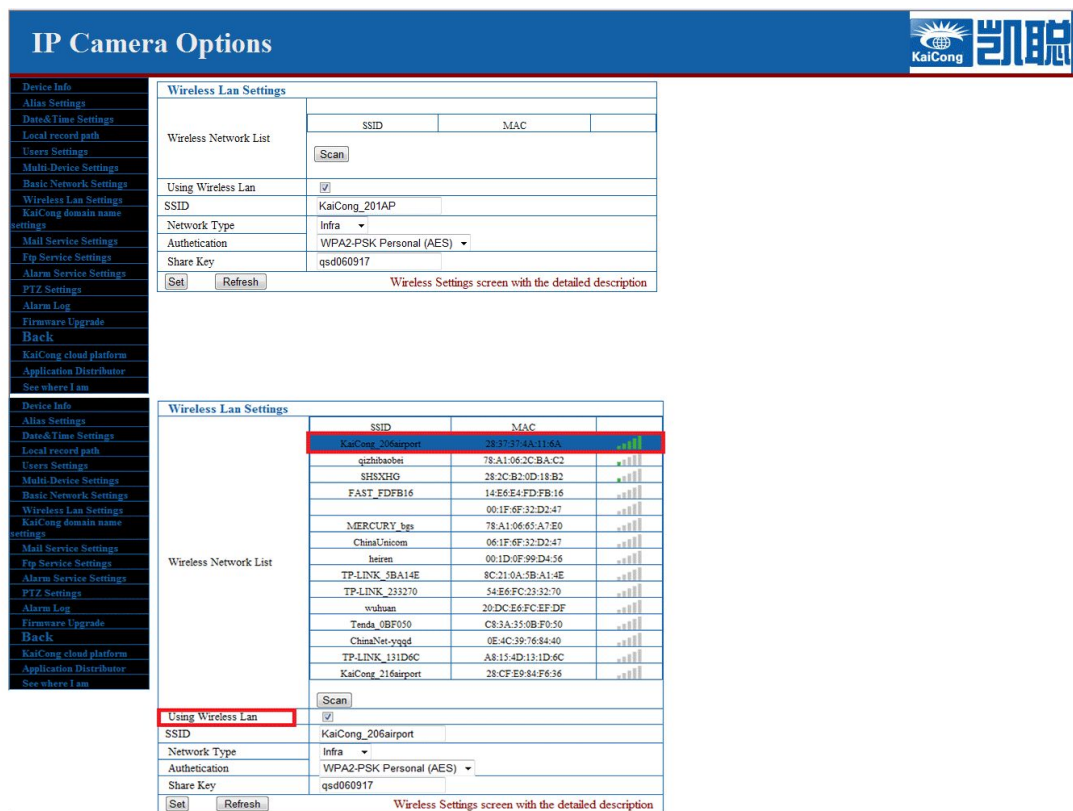


Figure 4

Enter the Wireless LAN Setting, click the “Scan” button, it will show you all the wireless networks detected in the Wireless Network List column. Select one of them and tick “Using Wireless Lan”, then the relevant data of the selected wireless network will be shown in the following blanks. Input the password and click “Submit”, then the WIFI setting is finished. Unplug the cable, then you can connect to router by wifi.

Notice: When the device is connected both WIFI and wired, it will firstly connect to the wired network. If the camera enables DHCP to obtain IP address automatically, so the IP address is not same in wired connection and wifi connection, recommend to set fixed IP address for the camera.

### 2.3 Connecting to WAN

You should connect the LAN network to WAN first and do the port forwarding, connect as figure 5.

Anything else, please contact me.



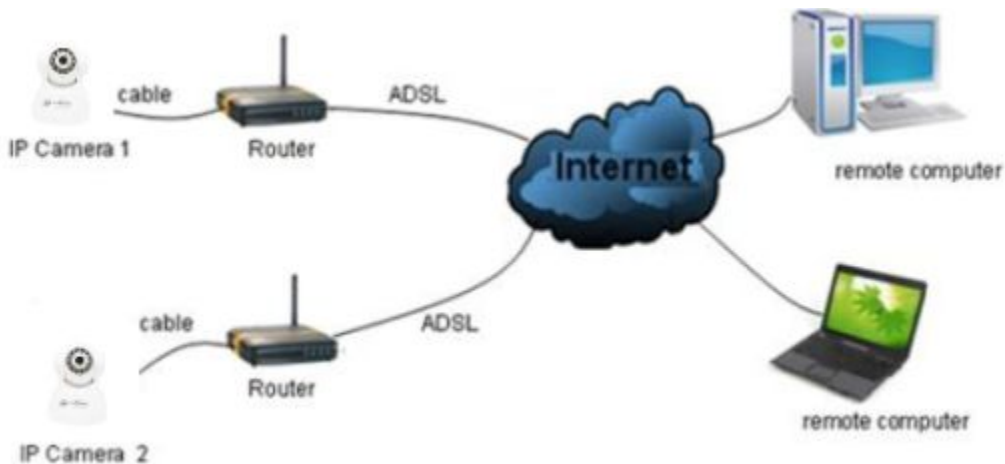


Figure 5

If visit IP Camera from WAN, you **must** do port forwarding on the router. Example of figure 6.

The figure shows two screenshots of the Netgear SmartWizard interface. The top screenshot shows the 'Basic Settings' page with the 'Port Forwarding / Port Triggering' option selected. The 'Add Custom Service' button is highlighted with a red box and a '2'. The bottom screenshot shows the 'Ports - Custom Services' page with the 'Service Name' set to 'IP camera port #' and the 'Starting Port' and 'Ending Port' both set to '1025'. The 'Server IP Address' is set to '192.168.1.178'. The 'Apply' button is highlighted with a red box and a '4'.

Figure 6

**Operation Steps:**

- 1) After login the interface of the router, choose "Port Forwarding";
- 2) Choose "Add custom Service";
- 3) Input IP camera http port;
- 4) Input IP address of IP camera, click "Apply".

After finishing the port forwarding, you can use WAN IP address of router and http port of  
 Anything else, please contact me.

camera to visit the camera by remote computer as figure 5.

Notice: because the routers are different, so the interface and setting method of router are also different, how to do the port forwarding for various routers, please refer to the user manual of your router or consult with router manufacturer.

### 3 Operation of IE browser

#### 3.1 View video

After installing the plug-ins, click “Mode 1 to view” as Figure 2 to view the video (video as Figure 7).



Figure 7

Anything else, please contact me.

## 1) Audio, Talk, Record, Snapshot



You can click these buttons to perform audio, talk, record and snapshot functions.



Note: about recording path, click button to enter setting interface, you can set it in “Local Recording Path”, as figure 8.

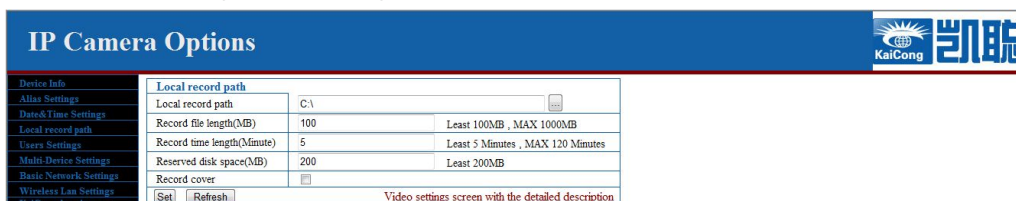


Figure 8

## 2) Multipicture change button

If you add multi-devices in chapter 3.5.1 “multi-device setting”, it will connect other device to display pictures automatically when changing to 4, 9 split screen. In playing video area, you can select a picture to control audio, talk, record, snapshot and PTZ control etc.

## 3) Viewing control area



- 1: Rotate Buttons (Up, Down, Left, Right)
- 2: Cruise Button for Left and Right
- 3: Cruise Button for Up and Down
- 4: Show the alias and time of camera
- 5: Up-down and Turn Around of the Picture
- 6: Switch of External Relay

## 4) Setting device parameters



Click button to enter setting interface, you can set all parameters of the camera described in chapter 3.2 to 3.5. Only administrator can login to set these parameters.

## 3.2 Device information

### 3.2.1 Device status

The user can obtain “Device firmware version”, “Web UI version”, “Alias”, “AP MAC” etc.

### 3.2.2 Device alias setting

The user can name the camera, example for home, office etc.

Anything else, please contact me.

### 3.2.3 Device date and time setting

You can enable “Sync with NTP Server” when the device was connected to WAN, but need to select correct time zone where the camera is located, otherwise need to select “ Sync with PC time”.

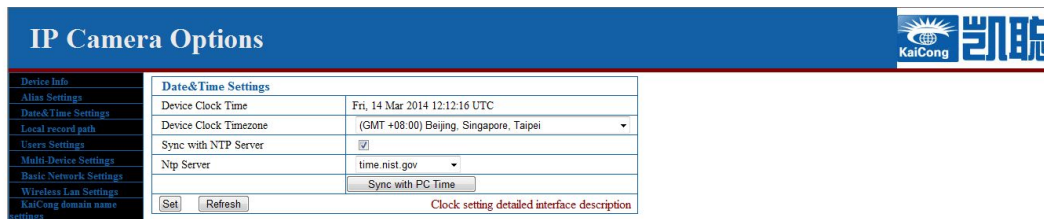


Figure 9

Remark: Please carefully check the camera time, so it can be sure the alarm accuracy.

### 3.2.4 Local recording path

The camera will be automatically create a file folder named “Record files” when the user don’t set “local recording path” and launch recording directly, and then save recording file to the folder, as figure 10.

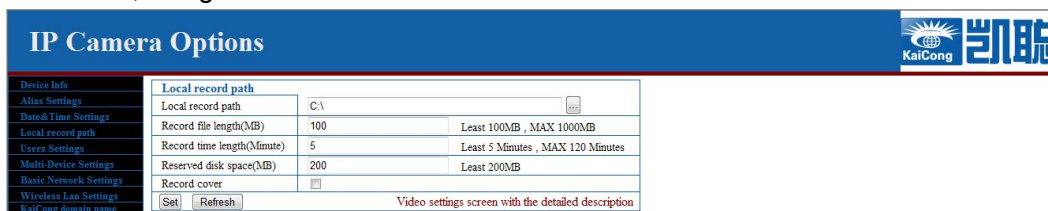


Figure 10

## 3.3 Device web setting

### 3.3.1 Basic network settings

The user can also enter the Basic Network Settings to set the IP address except using the search software “LSearch\_en.exe”. See below Figure 11.

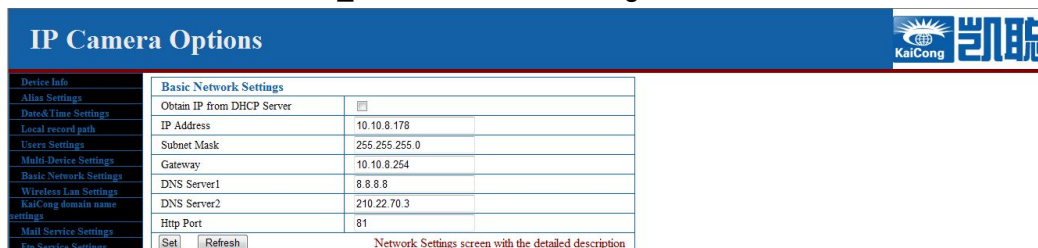


Figure 11

Remark: The router connected to camera need to enable DHCP when the user uses “obtain IP from DHCP server”; the routers enable DHCP by default.

### 3.3.2 Wireless wifi settings

Please refer to chapter 2.2.

Anything else, please contact me.

## 3.4 Alarm Settings

### 3.4.1 Alarm service setting

If user need to monitor a fixed area, when there is any motion, it will detect the motion and trigger the alarm. In the motion detect sensibility, the smaller the value, the more sensitivity.

After triggering the alarm, you can adopt several alarm mode in armed time, example of figure 15.

- Link to the Preset when alarming: need to set preset point of the camera;
- Send alarm info by email ( a email include a picture); every alarm trigger a email;
- Send the snap to the FTP server, user can also set the interval time between two pictures.

Device only triggers alarm when it detects any motion in armed time. User can set schedule time to be “all the time”, also assign the armed time. Before you set “Time Schedule”, please go to Date and Time settings to set the correct time for the item.

The screenshot shows the 'IP Camera Options' web interface. The 'Alarm Service Settings' section is active, displaying the following configuration options:

- Motion Detect Armed:
- Motion Detect Sensibility: Motion Detect Sensibility 5 (dropdown) the bigger number, the higher sensitivity
- Call preset on Alarm: None (dropdown)
- Alarm Input Armed:
- IO Linkage on Alarm:
- Send Mail on Alarm:
- Upload(FTP) Image on Alarm:
- Upload Interval (Seconds): 10
- Scheduler:
- Alarm Log:

Below these settings is a calendar grid for scheduling the alarm. At the bottom, there are 'Set' and 'Refresh' buttons and a note: 'Please make sure the "Clock Setting" in accordance with the local time'. A link to 'Alarm Service Settings screen with the detailed description' is also present.

Figure 12

### 3.4.2 Mail Service Setting

When it detects alarming, it can send email to your appointed email box, but you need to set email service parameters correctly. Example of figure 16, click “Submit” to save these parameters, and then you can click “Test” to check if the setting is successful.

The screenshot shows the 'IP Camera Options' web interface. The 'Mail Service Settings' section is active, displaying the following configuration options:

- SMTP Server: [Empty field]
- Sender: Please select (dropdown menu)
- SMTP Port: [Empty field]
- Transport Layer Security Protocol: [Empty field]
- Need Authentication:
- Receiver 1: [Empty field]
- Receiver 2: [Empty field]
- Receiver 3: [Empty field]
- Receiver 4: [Empty field]

At the bottom, there are 'Set' and 'Refresh' buttons and a note: 'Please set at first, and then test.'. A link to 'Mail Service Settings screen with the detailed description' is also present.

Figure 13

Anything else, please contact me.

### 3.4.3 FTP Service Setting

When alarming, the device will snap local picture and send them to FTP server, but need to set the FTP setting correctly. As figure 14, after the setting is finished, click “Test” to check your settings are correct or not.

Figure 14

Notice: For using the FTP function, you need to apply a user with authority that you can write and create submenu and some memory space.

### 3.4.4 Alarm log

You can inquire when the device performs alarm in alarm log.

Figure 15

## 3.5 User and device setting

### 3.5.1 Multi-device Setting

As Figure 16, User can add maximum 9 devices to view video simultaneously. Click “refresh” button to check the device in the LAN. When click a device, will popup setting dialogue and enter the device info, and click “Add” to add device. After that, must click “Setup” button to save device.

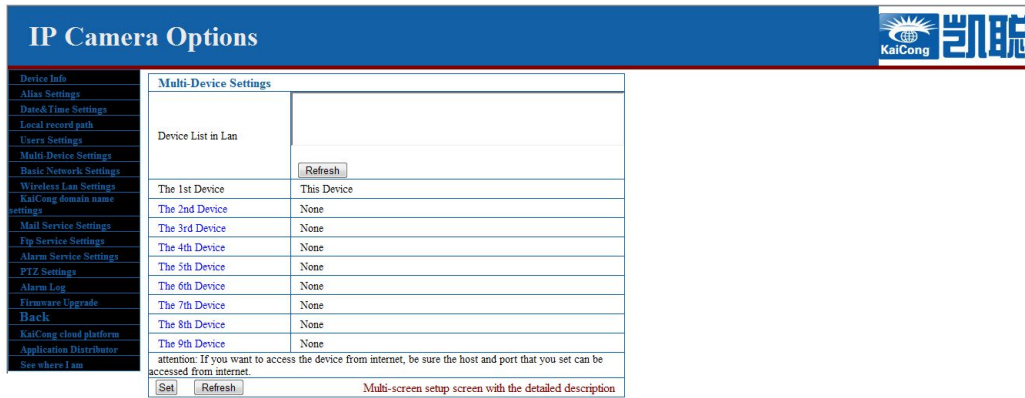


Figure 16

### 3.5.2 User Settings

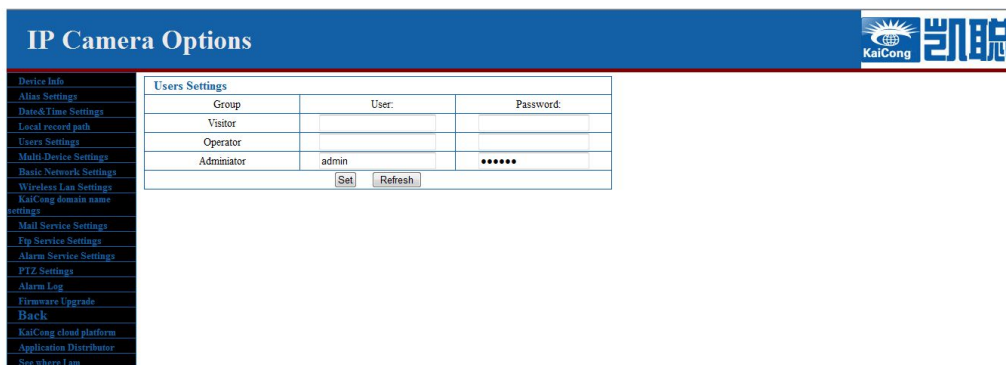


Figure 17

### 3.5.3 PTZ settings



Figure 18

Note: When you set cruise turns all the time, the camera will automatically stop after cruising one hour.

### 3.5.4 Maintain

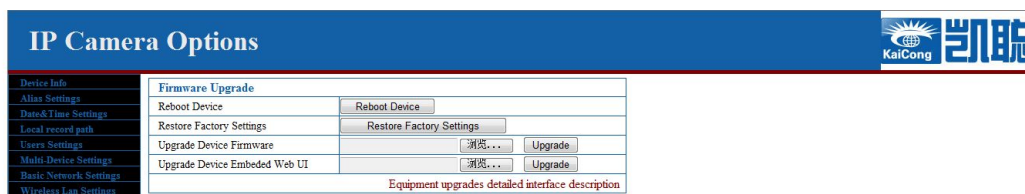


Figure 19

Click "Restore factory settings", it will pop up a dialog to ask you if restore factory settings, the camera will restore factory settings and reboot after you confirmed.

There are two types software in the camera, one is device firmware, another is Web UI, and you can upgrade them respectively.

Anything else, please contact me.

## 4 Visiting device by other software

### 4.1 Other web browser

Except IE browser, you can visit the camera by Firefox, Safari, Chrome, Opera browser etc., please select "Mode 2 to view".

### 4.2 Mobile phone software

For more information, please see the user manual for mobile phone in attached CD, or download the latest software and user manual in our website.

### 4.3 Centralization Control

IPCMonitor is a free software offered by factory, several devices on LAN and WAN can be browsed at the same time. The software also supports snapshot, video record, scheduled record, alarming and so on. The interface is as figure 23.

Centralization Control download: <http://www.KaiCong.net/fusheng/160xMonitoren.rar>

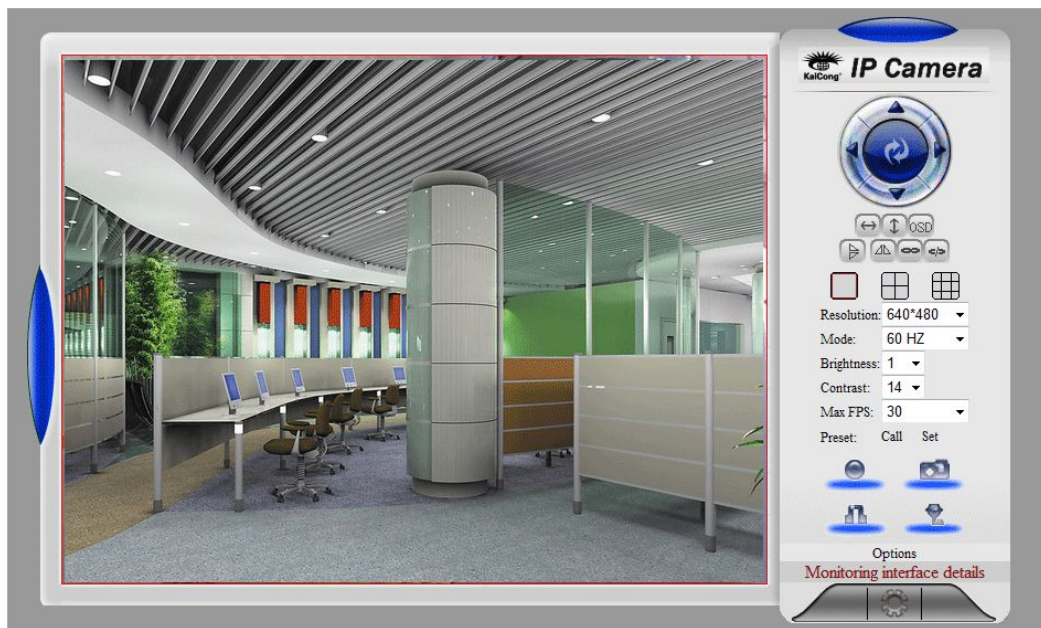


Figure 20

For more information, please refer to the <<IPCMonitor User Manual>> in CD.

### Android monitoring

To download and install the software to your phone, watch approach and iPhone.

<http://www.kaicong.net/download/ZhiYunForAndroid.apk>

Anything else, please contact me.



**iPhone monitoring**

Search in the Apple App Stores " iSeeu " and download



Anything else, please contact me.

After the download is complete, enable the software

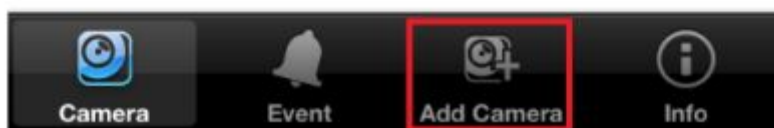


Anything else, please contact me.

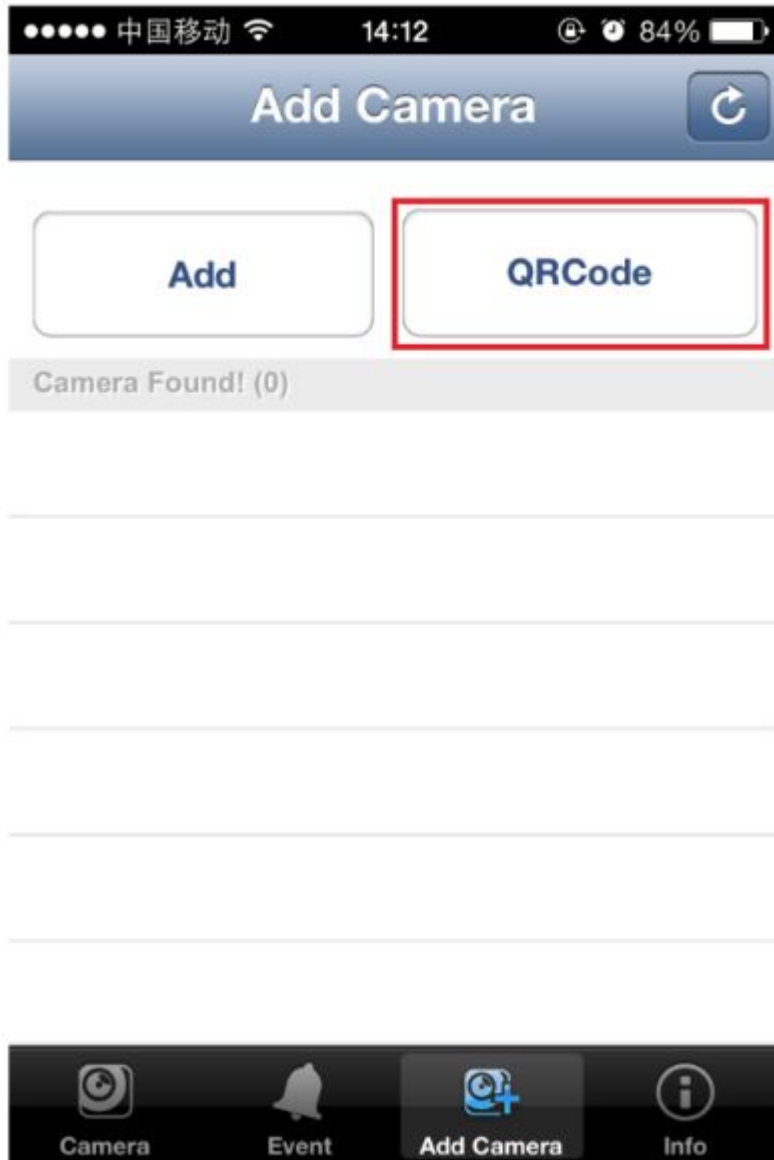


Anything else, please contact me.

Into the camera list, click on the " Add Camera "



Anything else, please contact me.



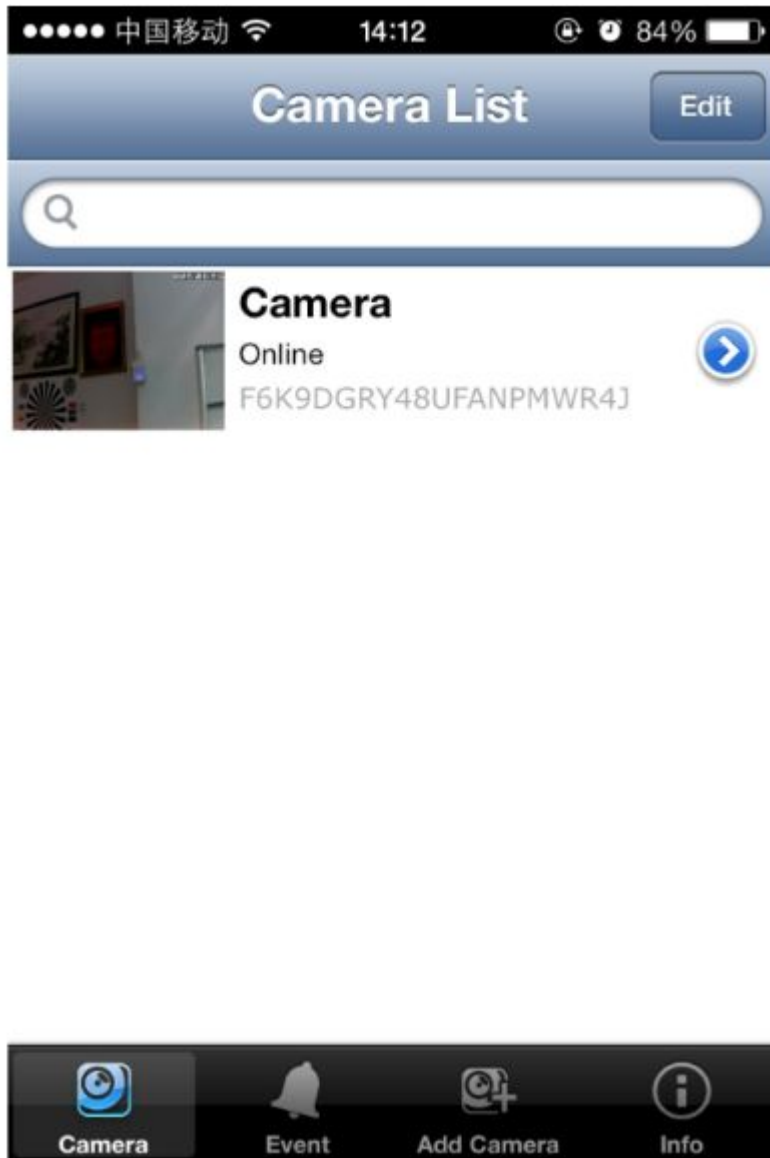
Anything else, please contact me.

Scanning machines at the two-dimensional code, add the device

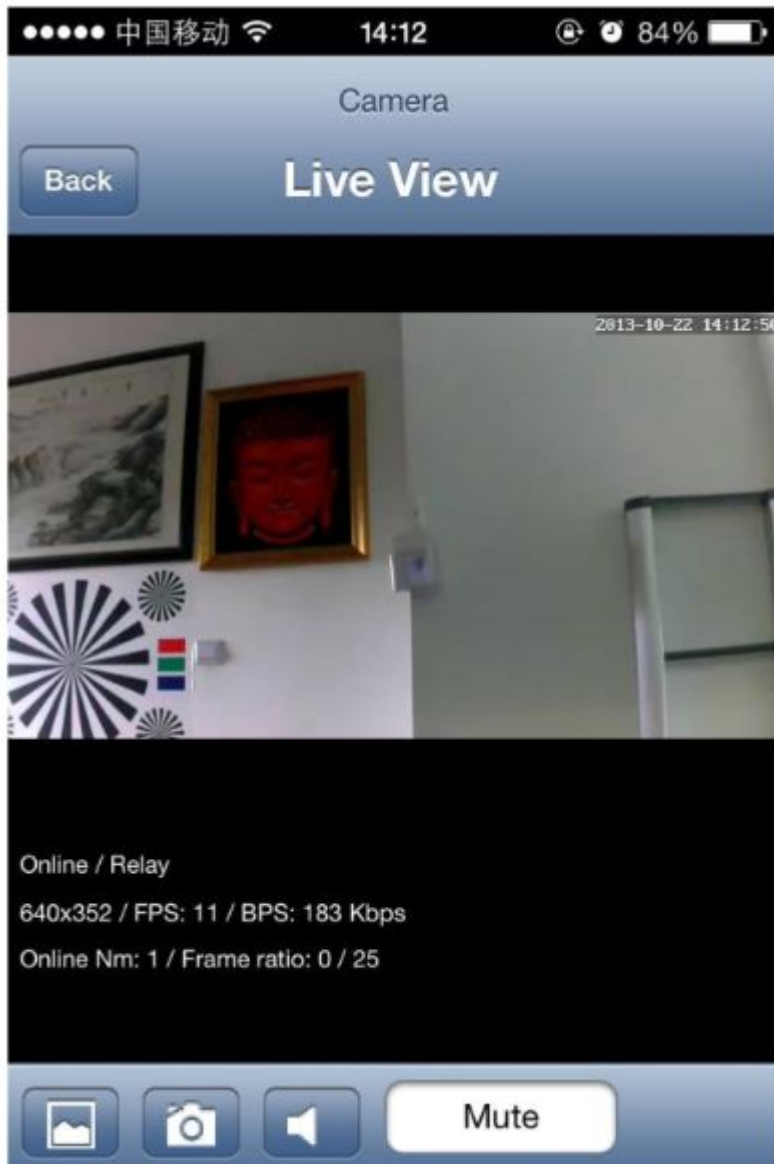


Anything else, please contact me.

Select the added cameras, monitoring



Anything else, please contact me.



Anything else, please contact me.