

H Series IP Camera User Manual

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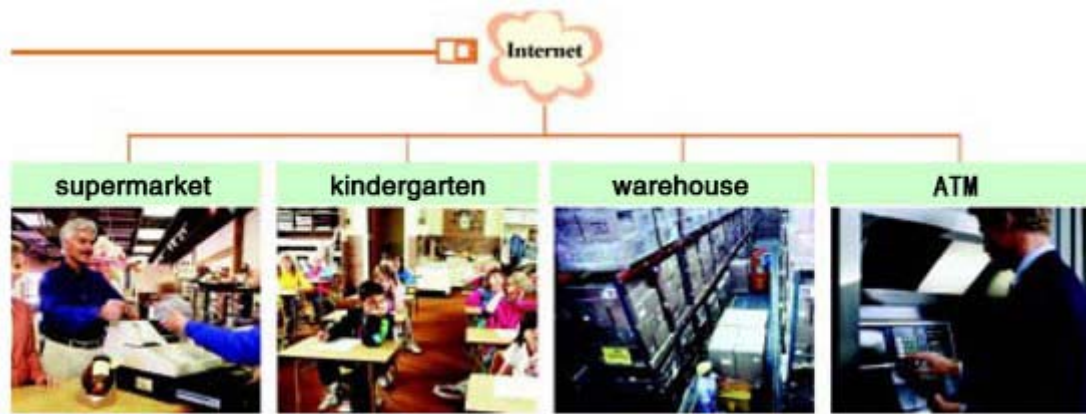
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1.General introduction


1.1.Brief introduction

This series product is designed for network video surveillance system,including wired box IP camera,wireless box IP camera, IR dome IP camera,IR waterproof IP camera etc. .It adpots high performance chip to ensure high quality media processor which can process audio and video collection, compression and transmission at the same time .Standard H.264 compression format makes video transmission more clearer and smoother. It enables users to realize the real-time monitor and remote control via browsers like IE, Super-Client sofeware and Application Platform. It has good stability andcompatibility.It is easy to intall and operate.Users only need take a few minutes to connctet the ip camera to the network.

1.2.Applications



The series products usually can be appied to public places,such as big department,school ,factory,workshop etc. High-end cameras are more suitable for the envirement where powerful image processing ability and high definition are needed ,such as bank ,crossroads.

	Before intall the IP camera,please check whether the product accessories are all in your package ,if not ,please contact the distributor as soon as possible.
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List of articles:

IP camera.....	1
Bracket(to be equipped by the model)	1
WIFI Antenna (for wireless model)	1
Power adapter	1
Qualification certificate.....	1
CD	1

1.3.Product appearance and interface introduction.

1.3.1. Product appearance

Diagram for dome IP camera:

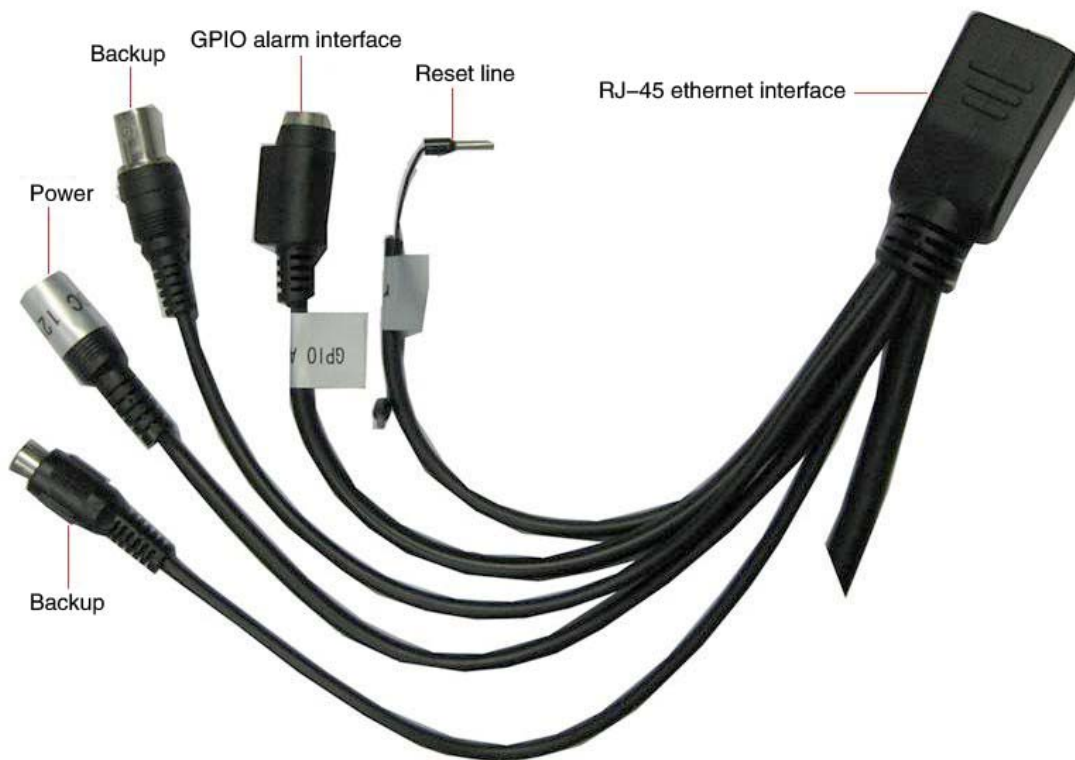


Diagram for box IP camera:



1.3.2.Interface introduction.

Extended line interface diagram :



Power : direct current 12V

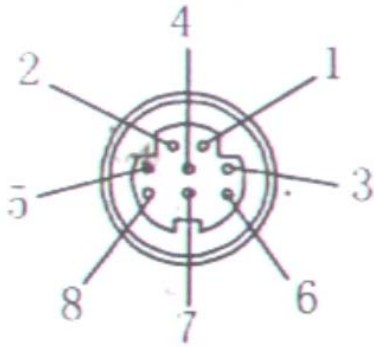
GPIO alarm interface : accept external connection linkage alarm equipment(for example: door sensor ,infrared sensor)

Reset line : short circuit two lines with power off,then power on for 10 seconds to return back default setting.

RJ-45 ethernet interface : connect ip camera to LAN

Backup : follow-up product extend interface.

About GPIO alarm interface (S terminal)definition:



- 1# +DC12V
- 2# RS485 (A)
- 3# 地 (GND)
- 4# IO2 (OUT PUT)
- 5# RS485 (B)
- 6# IO1 (IN PUT)

GND: Signal ground, Alarm ground, RS485 ground

RS485: RS485 control interface · The left one is connected to negative pole of RS485 and the right one is connected to the positive pole of RS485. It

can be connected to Pan/Tilt or encoder and can support multiple protocols



Warning : Please use the attached power adapter to avoid damaging the IP camera.

2.Function introduction

2.1.Basic function introduction

IP camera is mainly used for remote video transmission on the network.It adopt H.264 hardware compression technique, which can realize high-quality and real-time video transmission at 30fps speed on LAN/WAN.

IP camera run on the entirely open standard TCP/IP protocol,Built-in web server made users easy to realize monitoring via IE ,configuring remotely, updating firmware, managing and maintaining the equipments via network.

It allows you monitor ,control and zoom the image though the internet at anytime anywhere.

2.2.Advance function introduction

- * High-density and programmable media processor Hi3512, support H.264 Main Profile video coding
- * Support up to 30 fps
- * Adpot H.264 video compression format,which can realize high-quality image transmmison through limited network bandwidth.
- * Support up to 10 users viewing simultaneously
- * Built-in web server allows the use of standard IE browser for real-time monitor and management
- * Some models support WiFi 802.11b/g wireless network
- * Support system upgrade remotely
- * Support dynamic IP address, LAN, and Internet (Router access etc.))
- * Some models support one or two way audio talk back
- * Support motion detection function ,four detection areas and sensitivity can be set)
- *Built-in guard dog, auto recovery if exception occurs and auto-connection if the internet is disconnected.
- * Support dynamic alarm function to set alarm time periods
- * Support email sending ,FTP uploading,external ouputing
- * Support mobile view

Specifications

System Features	System security	Supports three-level account, password, multi-user authority management
	Self-prepared DDNS(Free)	Free DDNS bounded i.e., http://demo.ipcam.hk(body code is demo)
	IE multi-screen client (free)	No need to install software, IE multi-screen monitoring and management, message alarm setting, save alarm picture
	Super Client (free)	1,4,9,16,25,36, 64-channel Super Client software, no user limited, centralized monitor, remote record and playback , Skype message alarm, skype telephone alarm
	Moile view	Support iPhone、Windows Mobile、Symbian、Android view directly,support mobile phone with Java MIDP 2.0
CPU	Operation system	Embedded Linux system
	Microcomputer processor	High-density and programmable media processor Hi3512
Video	Compression format	H.264
	Signal system	PAL or NTSC
	Frame rate	PAL: 25fps,NTSC:30fps
	Resolution	CCD model: D1(720*576), CIF(352*288), QCIF(176*144) CMOS model: VGA(640*480), QVGA(320*240) 1.0 mega model: 720P(1280x720), QVGA(320x240)
	Image adjustment	Brightness, contrast, chroma, saturation.
Audio	Processor	Two way audio (support external connecting MIC and sound box)
	Audio gain	AGC
P/T control	P/T	Accept external connection RS485
	P/T protocol	PELCO-D protocol Baud rate: 9600 address: 1
Network	Network interface	RJ-45 10/100Mb self-adaptable Ethernet slot
	Delay time	< 500 MSEL(0.50 second) in LAN
	Online visitor	Support up to 10 users viewing simultaneously
	IP mold	Dynamic IP address, static IP address, PPPOE
Alarm	Input/output	1/1
	Alarm dectection	Motion detection
	Motion detection	Support 4 motion detection regions
	Alarm action	Support Email photo, FTP photo, FTP video etc
System	System requirments	Microsoft Win98 SE/ME/2000/XP、 Vista, Internet Explorer 5.0, NET4.5 or above
Certificate	Certification	ISO FCC CE

3. System requirements

Minimum Hardware Configuration

CPU : Pentium 1.6Ghz

Memory : 256MB

Sound Card : Necessary for audio monitoring and two-way talking

Hard Drive: To record video, minimum 40G Operation


System: 32 or 64 bit Windows2000、WindowsXP、Windows2003、Windows Vista etc.

Software environment

IE 6.0 or above

DirectX8.0 or above version

TCP / IP network protocol

	Tips : If your ip camera is conneted to network,you can visit the ip camera directly by free DDNS Service
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2.1. 4. Installation

Accroding to most of usage mode,we summary 3 kinds of networking ways to control ip camera.

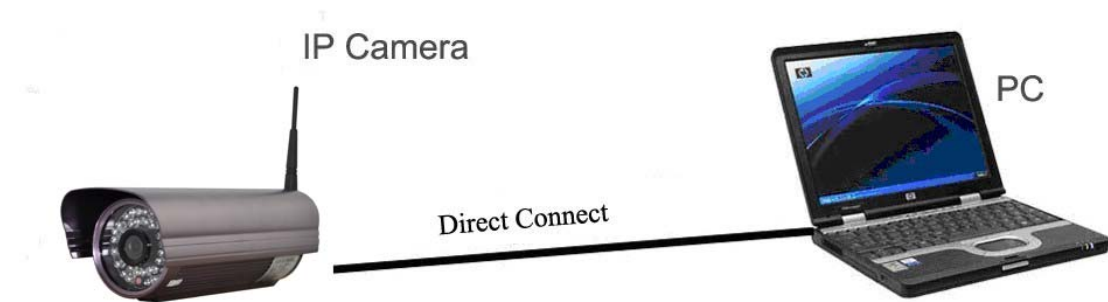
Before you install the ip camera,please do related hardware intallation and software settings following the below steps.

The following is the overall chart of two connections: :

1. Connect an IP Camera to a router




2.Connect the IP Camera to the computer Directly



4.1.Connection of network cable and power adppter

Step 1:Connect the crystal head of network cable to RJ45 interface of IP camera

Step 2:Connect the power adppter to ip camera and power on

	<p>Warning :Make sure use the attached power adapter, unauthorized ones may damage the IP camera. Check whether the mains voltage(110V or 220v) and frequency(50x or 60x) of your location is matched with the description of the label on the power adapter ,if not ,don't use it !</p>
--	---

4.2.Connect IP camera to router/switch/hub with network cable

Connect the other side of the network cable to Ethernet switch ,router or IP sharing device.



If connecting the LAN successfully ,the green LED light on the RJ45 interface will be on .If there are datas transmissons on the LAN,orange LED light will flash.

After about one minute,under nomal conditions ,the yellow is normally on ,and green light flashes ,here physical connection of the IP camera is complete.(For smooth connection,it is recommended to set up the IP camera to a fixed IP in the same network segment as PC within the

LAN. Please refer to Article 10 "Frequently Asked Questions for setting).

Now you can login the main web page and visit the IP camera.

5. Access to IP camera

There are three ways to access to IP camera as below:

1. Through web page
2. Through super-client software
3. APP platform

5.1. Access to IP camera though web page

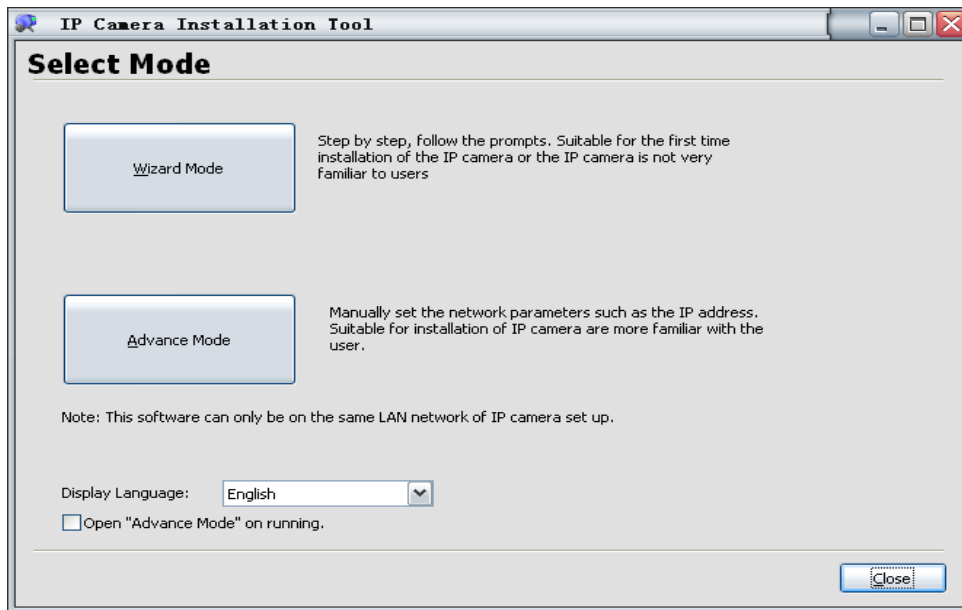
After IP camera is connected to PC LAN through router, you could process operations to IP camera via PC, first please put right CD to CD-ROM and run the related software, as below:

5.2. Use Finder

Open the disk, CD will run automatically, then appear the following interface:

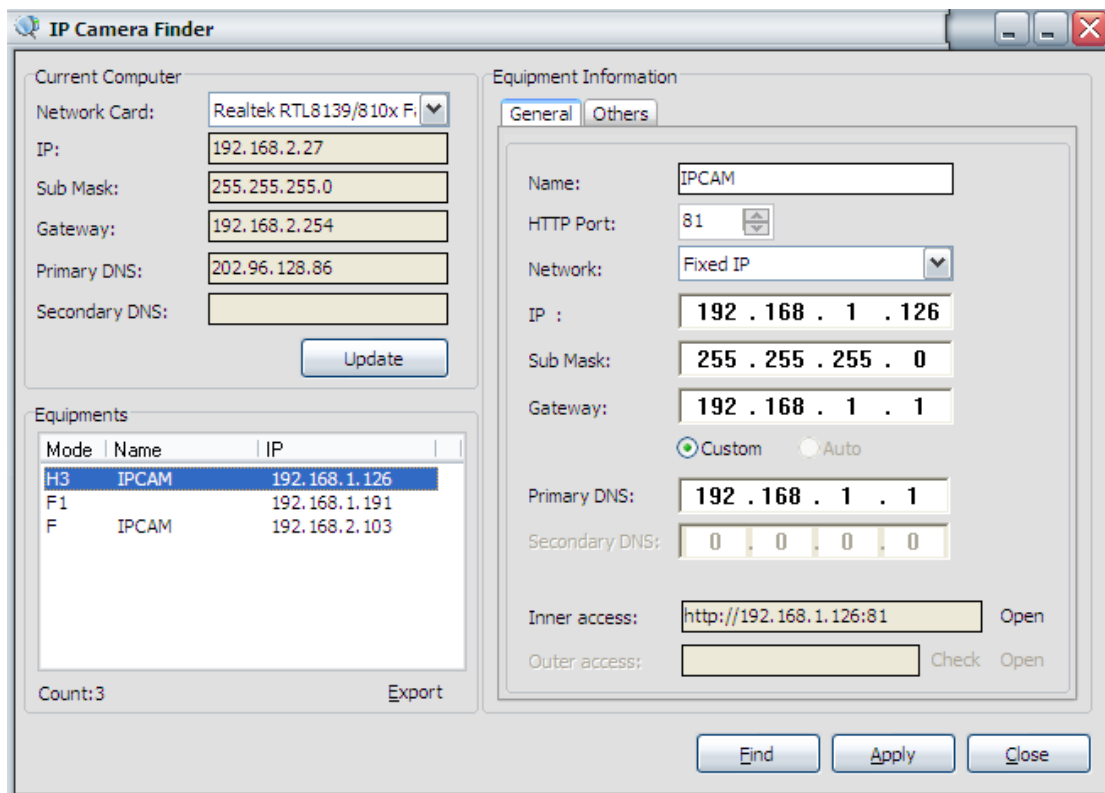


Choose the second options (IP Camera Finder) to open the Finder, and the following interface will appear:



Wizard mode is recommended for primary users, open the IP camera and set device parameters according to indication..

Advanced users choose Advance Mode, then the following interface will appear (if the users connect the camera for the first time, please click update to set):





If network cable and power supply are correctly connected, device type, name and IP address will be shown in the device list (Otherwise, please confirm whether power supply and network cable work normally).

In the interface above, the configuration information of the current computer is listed on the left side; and the network configuration information of the selected device is listed on the

right side. Default IP address of the IP camera is 192.168.1.126, and HTTP port is 81.

Inner Access refers to the LAN access address; **Outer Access** refers the WAN access address.。

	<p>Tips:Port forwarding setting is necessary for outer access,please refer to 'router port forwarding 'in 7.1 section.</p>
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	<p>Note:</p> <ol style="list-style-type: none">1. Device information indicates the IP camera information.2.When the current computer has a fixed IP, (namely non-DHCP IP), and the IP camera is used for the first time, please click automatic setup, so that IP address of the IP camera, gateway and DNS can be synchronous with the PC.3.If it is necessary to manually modify the contents including camera name, HTTP port, IP address, sub mask, gateway, primary DNS server, secondary DNS server and so on, please click apply after modification, and then click OK after entering username and password of the IP camera in the pop-up dialog box for access validation.
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5.3.System login

1. Open the Web page. You can open it directly by first clicking the **Inner Access** or **Outer Access** on **Finder** and then clicking **Open**; and you can also directly input the corresponding address of the inner and outer access into the address bar of the web page, as the address shown in the picture above <http://192.168.1.126:81> (LAN); and <http://aodn.ipcam.hk> (WAN)
2. If the IP camera has been connected with the outer network when you are browsing it, the log-in interface as below will appear when you open the web page through LAN or outer work. :



After selecting the language required, enter the corresponding log-in information, click ok to log in. Under the address bar, an ActiveX installation pop-up will appear. You can use it after installation. If the ActiveX installation is held by the Anti-virus software, please release it.

Note: the default User Name of the camera is “**admin**”, password is **admin**.

5.4. List of Operation Keys

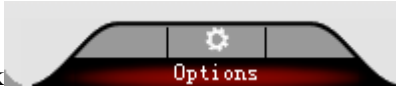



After logged on the device, monitor picture is displayed on the left side of the screen, and the right side is the panel where you can implement the basic operations for the device.

5.4.1.Stream and operator

- 1.The default stream is second stream
- 2.Users can be divided into three kinds: Guest ,user ,admin.Admin own highest authority, authority is varied as different kinds of users. Please refer to 5.5.7 section for more details.

5.5.IP Camera settings



Click  , enter the interface of parameters setting,including system settings,network settings,advanced settings,alarm settings,video&audio settings.

5.5.1 Device information

System settings include **device info,time settings,system maintenance**

Device info is shown as below, including Device Name, Software Version, MAC Address, IP Address etc.

IP Camera Options

- System Settings
 - Device Info
 - Time Settings
 - System Maintenance
- Networking
- Advanced Settings
- Alarm Settings
- Video & Audio Settings

Device Info

Device Info

Device Name:	IPCAM
Network connection status:	Cable Connection
Software Version:	V2.0.1.1-R01:20101028
MAC Address:	00:00:89:11:11:04
IP Address:	192.168.2.126
LAN Netmask Address:	255.255.255.0
LAN Gateway Address:	192.168.2.254
Preferred DNS server:	202.96.128.86
Alternate DNS server:	0.0.0.0
The system is running time:	1999-11-30 3:15:58
Watch the video connections:	0
SD Card Status:	No card
Language:	English

5.5.2. Time settings

IP Camera Options

- System Settings
 - Device Info
 - Time Settings
 - System Maintenance
- Networking
- Advanced Settings
- Alarm Settings
- Video & Audio Settings

Time Settings

Current Date Time: 2010-11-09 15:16:53

Change

Set manually

Date: 2010-11-09 (Year - month - day) Time: 15:16:34 (Hours: minutes: seconds)
(1971-01-01 ~ 2036-12-31)

Synchronized to the PC time

PC Time: 2010-11-09 15:16:54

Network Time Server

NTP server: time.nist.gov

Sync interval: 01 H

Maintain the current settings

Time Zone: (GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi

OK Refresh

Return

You can set the time manually, or synchronize time with the PC or NTP server.

5.5.3. System Maintenance

Here you can upgrade the system, restart the ip camera, restore factory default values, please operate it cautiously.

IP Camera Options

- System Settings
 - Device Info
 - Time Settings
 - System Maintenance
- Networking
- Advanced Settings
- Alarm Settings
- Video & Audio Settings

System Maintenance

System Maintenance

Reboot the system: Restart

Restore factory default values: Default Values

Backup configuration data: Save

To restore configuration data: 浏览... OK

System Upgrade: 浏览... OK

Return

5.5.4. Network settings

The screenshot shows the 'IP Camera Options' web interface. The left sidebar contains a menu with 'Networking' selected. The main content area is titled 'Networking' and is divided into two sections: 'LAN Settings' and 'HTTP'. Under 'LAN Settings', there are fields for 'IP access' (set to 'Manually set the IP'), 'IP Address' (192.168.2.126), 'LAN Netmask Address' (255.255.255.0), 'LAN Gateway Address' (192.168.2.254), 'Preferred DNS' (202.96.128.86), and 'Alternative DNS' (0.0.0.0). Under 'HTTP', there is a field for 'HTTP Port' (81) with a note '(1-65535)'. At the bottom of the form are 'OK' and 'Refresh' buttons. A 'Return' button is located in the sidebar.

Here you can set the ip manually or obtain the ip automatically. Make sure do the port forwarding before visiting though internet. If you choose to set the ip manually, please fill the right IP Address, LAN Netmask Address, LAN Gateway Address, DNS, Http port.

5.5.5. Wireless settings

The screenshot shows the 'IP Camera Options' web interface. The left sidebar contains a menu with 'Networking' selected. The main content area is titled 'Wireless Network Settings' and is divided into two sections: 'Wireless Settings' and 'Security Type'. Under 'Wireless Settings', there are radio buttons for 'Enable Wireless' (set to 'Open'), a text field for 'SSID' with a 'Search' button, and a dropdown menu for 'Connection mode' (set to 'Routing'). A note below reads '(If you have a wireless router, select the routing mode)'. Under 'Security Type', there is a dropdown menu set to 'No'. At the bottom of the form are 'OK' and 'Refresh' buttons. A 'Return' button is located in the sidebar.

There are five kinds security type: none, WEP64, WEP128, WPA-PSK and WPA2-PSK

1. Only the camera SSID is the same as the wireless router or AP SSID, you can use the camera. As for other options, you can choose according to your requirements.

2. The default camera SSID is SSID.

5.5.6.Remote access settings

The screenshot shows the 'IP Camera Options' web interface. On the left is a navigation menu with categories: System Settings, Networking, Advanced Settings, Alarm Settings, and Video & Audio Settings. The 'Remote Access' option is selected under the 'Networking' category. The main content area is titled 'Remote Access' and contains three sections: 'Dynamic DNS' with radio buttons for 'Enable' and 'Close' (selected), 'Other dynamic domain name' with radio buttons for 'Enable' and 'Close' (selected), and 'Automatic port mapping UPnP' with radio buttons for 'Enable' (selected) and 'Close'. At the bottom of the page are three buttons: 'Return', 'OK', and 'Refresh'.

When remote access is needed, the dynamic DNS must be enabled, and fill the server address,server port ,username and password(the default server is user.ipcam.hk,the default server port is 808 . You can use the other dynamic DNS, such as peanut shell.

UPNP 's full name is Universal Plug and Play. If the router support UPnP function and is enabled on the router, Port forwarding is not necessary when users visit the ip camera via outside web.

5.5.7.User management settings

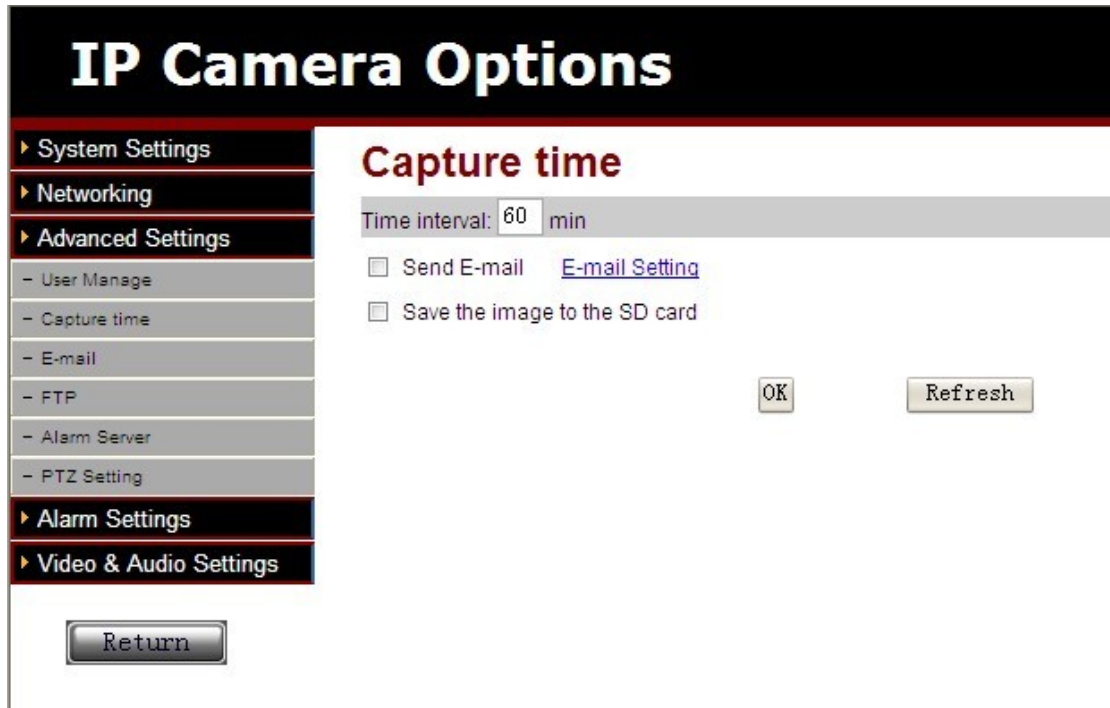
The screenshot shows the 'IP Camera Options' web interface. On the left is a navigation menu with categories: System Settings, Networking, Advanced Settings, Alarm Settings, and Video & Audio Settings. The 'User Manage' option is selected under the 'Advanced Settings' category. The main content area is titled 'User Manage' and contains a table with three columns: 'Username', 'Password', and 'Re-type password'. The table lists three users: 'admin', 'user', and 'guest'. Each user has a password field with masked characters. At the bottom of the page are two buttons: 'OK' and 'Refresh'.

Username	Password	Re-type password
admin	•••••	•••••
user	••••	••••
guest	•••••	•••••

Admin is administrator account ,user is operator account ,guest is visitor account.

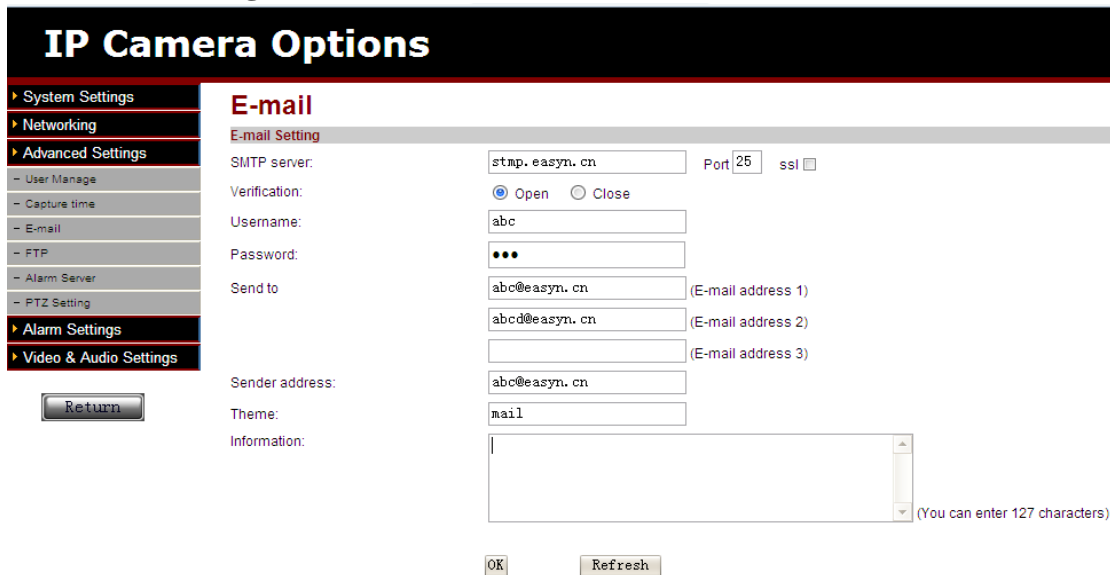
Note: At least one administrator account is needed for the device

5.5.8.Capture time settings



Users can set capture time interval ,and choose if need to send e-mail or save the image to the SD card according to their requirements..

5.5.9.Email settings



Above setting is equally similar to Mail Server Settings , when alarming is on it will send pictures, please fill in STMP server ,port,username,password,receiver email address,sender email address,theme ,information etc.

5.5.10.FTP server settings

As shown below,please fill FTP server, FTP port, FTP username, FTP password,choose FTP passive mode open or close to save video or images etc(mainly used for sending images to FTP server when alarming happen).

IP Camera Options

- ▶ System Settings
- ▶ Networking
- ▶ **Advanced Settings**
- User Manage
- Capture time
- E-mail
- FTP
- Alarm Server
- PTZ Setting
- ▶ Alarm Settings
- ▶ Video & Audio Settings

FTP

FTP Settings

Server:

Port:

Username:

Password:

Passive mode: Open Close

5.5.11. Alarm server settings

As shown below ,input the server address and server port.

IP Camera Options

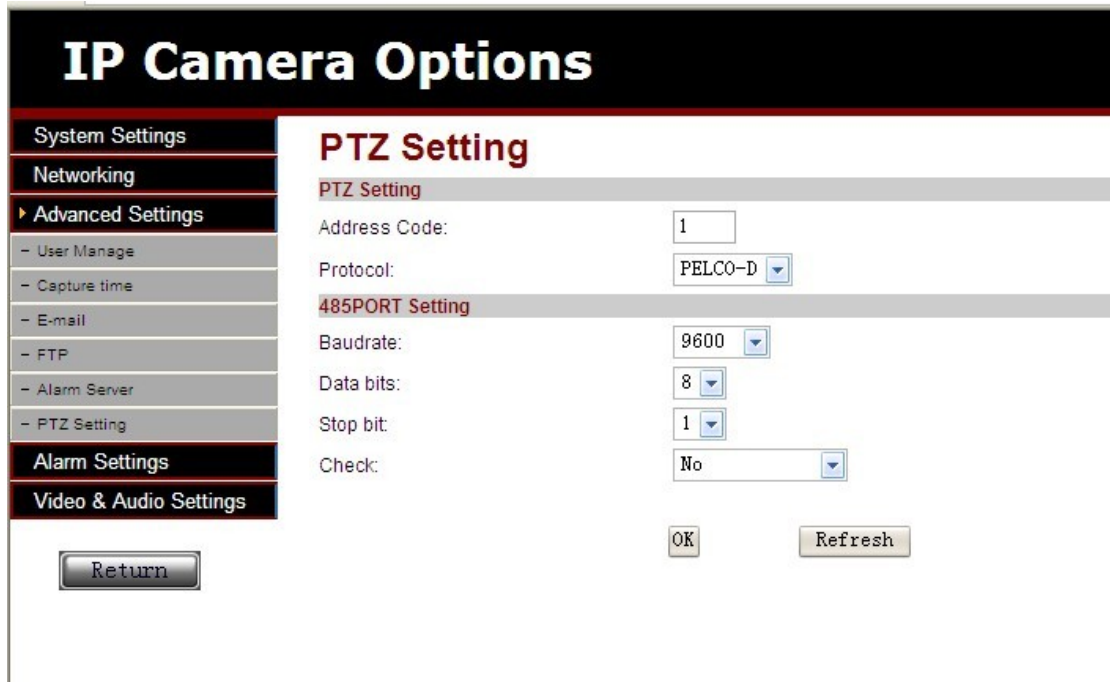
- System Settings
- Networking
- ▶ **Advanced Settings**
- User Manage
- Capture time
- E-mail
- FTP
- Alarm Server
- PTZ Setting
- Alarm Settings**
- Video & Audio Settings

Alarm Server Setting

Server Address:

Server port:

5.5.12.PTZ settings

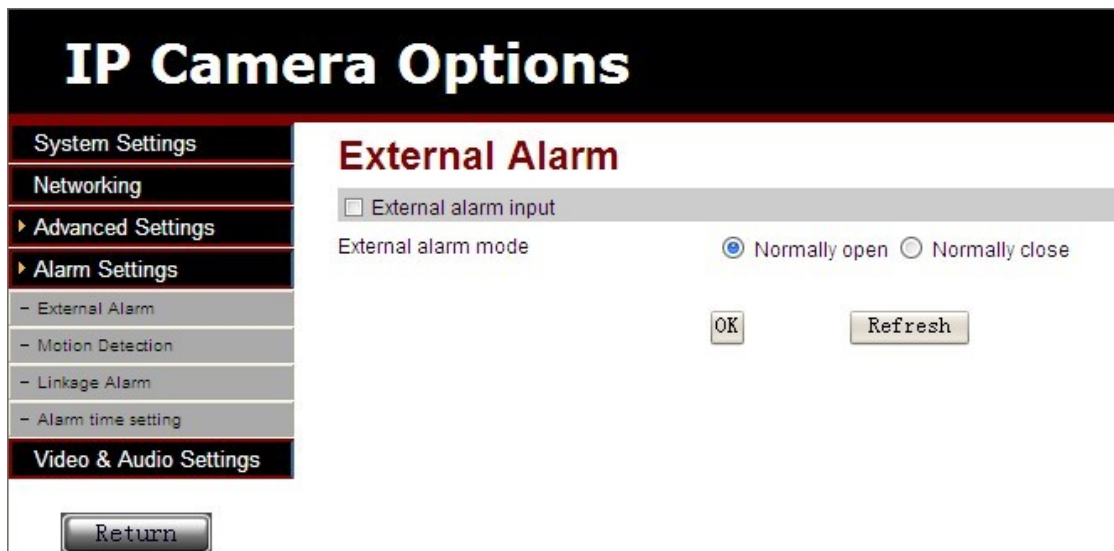


The screenshot shows the 'IP Camera Options' web interface. On the left is a navigation menu with categories: System Settings, Networking, Advanced Settings (with sub-items: User Manage, Capture time, E-mail, FTP, Alarm Server, PTZ Setting), Alarm Settings, and Video & Audio Settings. The main content area is titled 'PTZ Setting' and contains two sections: 'PTZ Setting' and '485PORT Setting'. The 'PTZ Setting' section has 'Address Code' set to 1 and 'Protocol' set to PELCO-D. The '485PORT Setting' section has 'Baudrate' set to 9600, 'Data bits' set to 8, 'Stop bit' set to 1, and 'Check' set to No. At the bottom of the main area are 'Return', 'OK', and 'Refresh' buttons.

As shown above, set 1 as address code, PELCO-D as protocol,9600 as baudrate. The default data bits is 8, stop bit is 1.Five kinds of check ,they are no ,churh check,dual check,mark,space.

5.5.13.External alarm settings

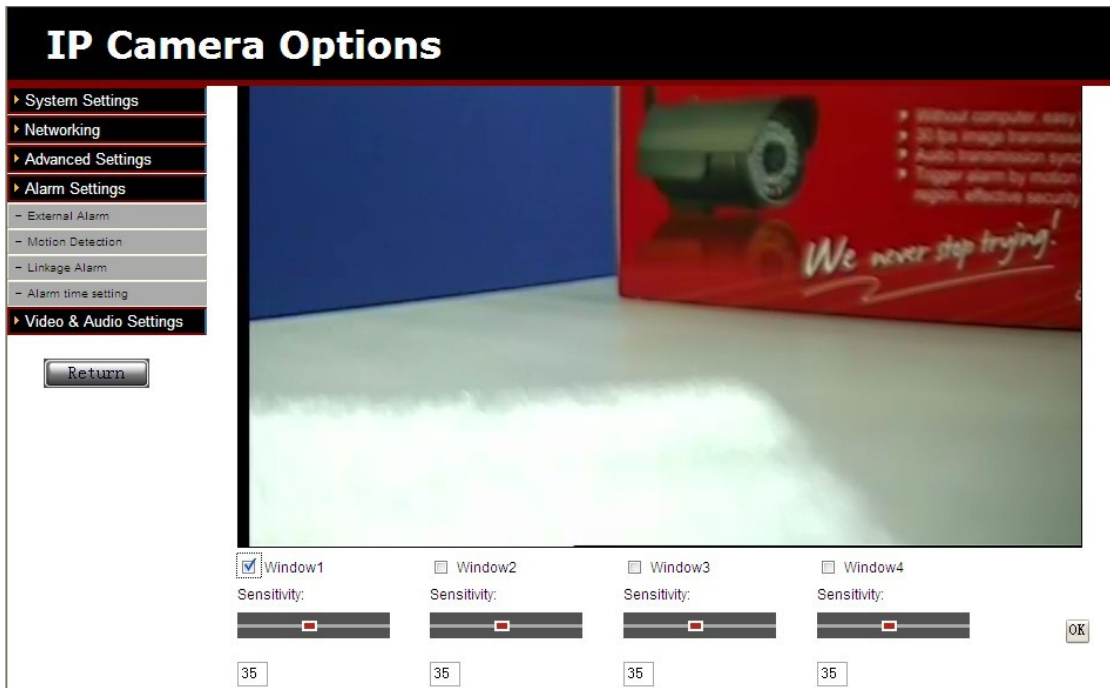
It is used to set the external alarm device, two modes are optional: nomally open and normally close.



The screenshot shows the 'IP Camera Options' web interface. On the left is a navigation menu with categories: System Settings, Networking, Advanced Settings (with sub-items: External Alarm, Motion Detection, Linkage Alarm, Alarm time setting), and Video & Audio Settings. The main content area is titled 'External Alarm' and contains a checkbox for 'External alarm input' which is unchecked. Below it, 'External alarm mode' is set to 'Normally open' (indicated by a selected radio button) with 'Normally close' as an alternative. At the bottom of the main area are 'Return', 'OK', and 'Refresh' buttons.

5.5.14.Motion detection settings

Here you can set four motion detection areas and the sensitivity (from 0 to 75)



5.5.15.Linkage alarm settings



Here you can set the linkage alarm actions ,such as sending the photo to specified email,saving photo and video to SD card or specified FTP server.,

5.5.16.Alarm time settings

Alarm time settings can be divided into three modes:the whole week ,rest working days, all the time.

1.The whole week mode

Three alarm time periods can be set. Please set start time and end time respectively.

Twenty-four choice for hour hand(For star time and end time): From 0-24 .

Four choices for minute hand (only for start time): 0,15,30,45

2.Work day and rest day mode

Users can choose work day and rest day mode according to their requirements,the setting is generally the same as the whole week mode.

The screenshot shows the 'IP Camera Options' web interface. On the left is a navigation menu with categories: System Settings, Networking, Advanced Settings, Alarm Settings, and Video & Audio Settings. Under 'Alarm Settings', 'Alarm time setting' is selected. The main content area is titled 'Alarm time setting' and features three radio button options: 'Mode the whole week', 'Rest day working model' (which is selected), and 'Mode all the time'. Below these are time selection fields for 'Start Time1-End time1', 'Start Time2-End time2', and 'Start Time3-End time3'. Each field consists of a 'Week' checkbox and a time picker with hour, minute, and second dropdowns. At the bottom, there are 'OK', 'Refresh', and 'Clear...' buttons. A 'Return' button is located at the bottom left of the interface.

5.5.17.Image parameters settings

As shown below ,here users can adjust brightness, saturation,contrast ,color according to their requirements,the range is from 0 to 255.

The screenshot shows the 'IP Camera Options' web interface. The left navigation menu is expanded to 'Video & Audio Settings', where 'Image Parameters' is selected. The main content area is titled 'Image Parameters' and includes a sub-section 'Image settings'. It features four sliders for 'Brightness' (set to 120), 'Saturation' (set to 150), 'Contrast' (set to 140), and 'Color' (set to 255). To the right of the sliders is a live video feed window showing an indoor scene with a timestamp '2010-11-10 09:21:04'. Below the video feed, there is a section for 'Transport stream, including:' with a checked checkbox for 'Audio Setting'. At the bottom, there are 'OK', 'Refresh', and 'Default' buttons. A 'Return' button is located at the bottom left of the interface.

5.5.18.Video parameters settings

As shown below ,video steam can be divided into main stream and second stream for this series IP camera. Main stream is suitable for viewing though browse and Super-client software,and second stream for viewing though mobile browser. For two kinds of stream, you can set **definition,rate,frame rate, main frame interval, video Coding Control, video Coding quality** and so on.

IP Camera Options

- ▶ System Settings
- ▶ Networking
- ▶ Advanced Settings
- ▶ Alarm Settings
- ▶ Video & Audio Settings
- Image Parameters
- Video Parameters
- Audio Parameters

Definition:

Rate: kbps

Frame Rate: fps

Main frame interval: (1-300)

Video Coding Control: Fixed Rate Variable bit rate

Video coding quality: (The smaller the value, the better the image quality, the sharper the code flow control)

Time code flow (Note: The phone here to use this stream)

Definition:

Rate: kbps

Frame Rate: fps

Main frame interval: (1-300)

Video Coding Control: Fixed Rate Variable bit rate

Video coding quality: (The smaller the value, the better the image quality, the sharper the code flow control)

Overlay option

Superposition time: Open Close

Superposition name: Open Close

Superposition name: (Please do not enter ~!@#%&*(L_+=? / . ", and other special characters)

5.5.19. Audio parameters settings

Here you can set Main Stream,second stream,input options.

- 1、 Main stream settings options:
 - ◆ Collection audio:open or close
 - ◆ Collection audio:G726 or G711
- 2、 Second stream settings option: close or open
- 3、 Input options:microphone input or linear input

Click ok to saving the settings.

IP Camera Options

- ▶ System Settings
- ▶ Networking
- ▶ Advanced Settings
- ▶ Alarm Settings
- ▶ Video & Audio Settings
- Image Parameters
- Video Parameters
- Audio Parameters

Audio Setting

Main Stream

Collection audio: Open Close

Audio formats:

Time code flow (Note: The phone here to use this stream)

Collection audio: Always On Always Off



Input options

Audio input:

6. Brief introduction to Super Client

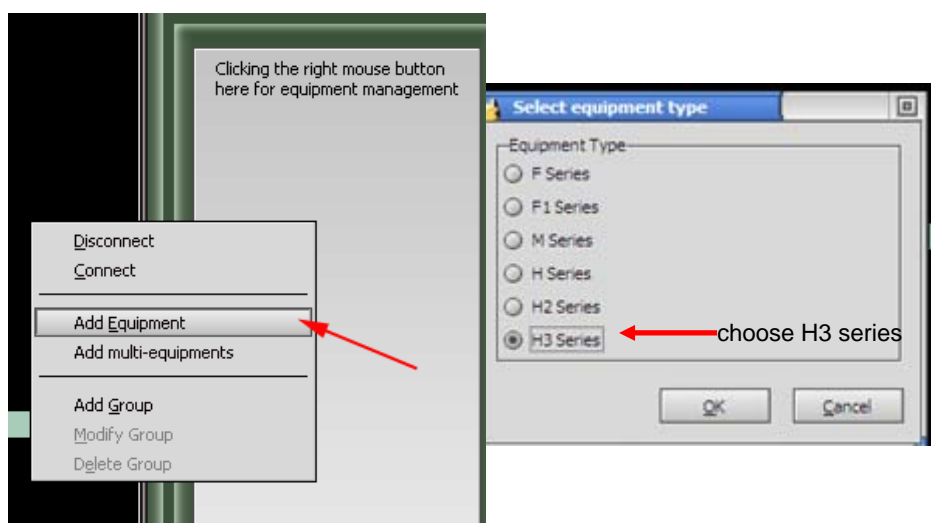
The introduction in the previous is on how to browse the IP camera through web page. The Super Client software is a Multi view Software to implement centralized management on the IP camera. It has powerful functions, high extensibility. It can add the F,F1,M, H,H2 and H3 series products into it. Now we are going to make a brief introduction the use of H3 series product in the Super Client.


6.1. Installation and Registration

Open the CD, and install the Super Client software, then the shortcut icon  will appear on the desktop, double click the shortcut to open the software. If you are the first time to use it, the registration tip will appear. Click registration; input the registration code in the label on the CD surface for registration. Or skip this step, and click the icon  in the lower right corner of Super Client to register.

6.2. Add equipment

Right-click the blank area on the right part of the Super Client to add an IP Camera, choose H3 series, and click ok.



When finish adding camera, if needs to change other settings, please select the camera, and click the right key to choose equipment setting and then set the parameters, also users can click one monitor screen, then click  to set the camera. The information need to be finished include the basic information, equipment parameters, alarm, record, action plans, additional information. The following text we will give you a more detailed explanation.

6.2.1 Basic information

The screenshot shows the 'H3 Series Options' dialog box. At the top, the title bar reads 'H3 Series Options'. Below it, the 'Name' field contains 'IP Camera 1'. There are four tabs: 'Connect', 'Alarming', 'Record', and 'Others', with 'Connect' being the active tab. Inside the 'Connect' tab, there are two radio buttons: 'IP Mode' (selected) and 'Serial Number Mode'. Below these, the 'IP:' field contains '192.168.2.104:104' and a 'Find' button is to its right. A note below the IP field says: '(Input IP if in IP mode, such as 192.168.1.114:8168 while Input serial if in WLAN mode, such as demo)'. The 'User name:' field contains 'admin' and the 'Password:' field contains '*****'. There are four checkboxes: 'Support PTZ' (checked), 'Enable audio' (checked), 'Support audio two-way' (checked), and 'Flip Image' (unchecked). At the bottom right, there are 'OK' and 'Cancel' buttons.

We can change the IP Camera name in the Super-Client. Select IP/domain mode or device code mode, If want to search the device in LAN mode, please click search. The search will be finished automatically. Then users need to input the account and password to view.

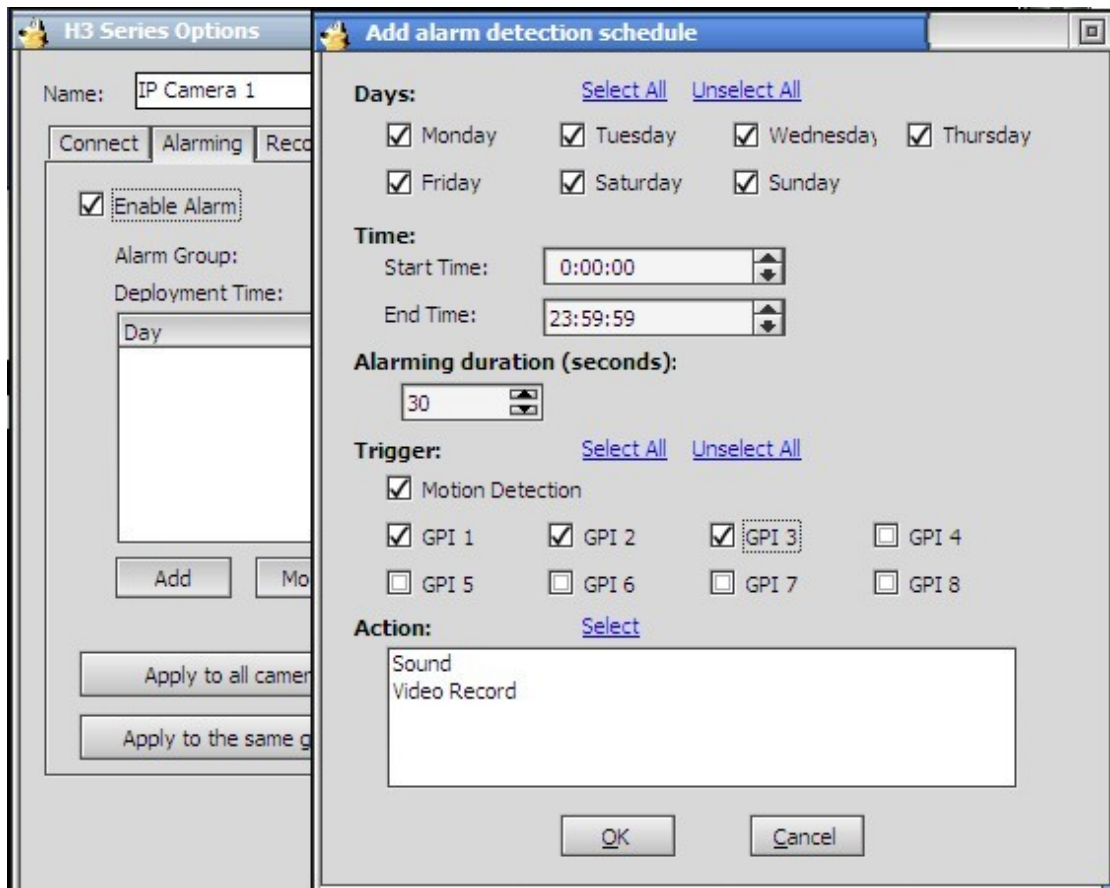
If camera with pan-tilt or audio functions, please choose relevant box.

6.2.2. Alarm

When needs alarm function, select start alarm, clicks add key like the above photo. Here you can choose alarm week, time, alarm duration time, trigger term and trigger action. The trigger action supports audio, video, alarm, people flow statistics, e-mail, equipment terminal siren etc. for more information, please refer to Super Client manual.

Note: alarm trigger includes motion detection and alarm input.

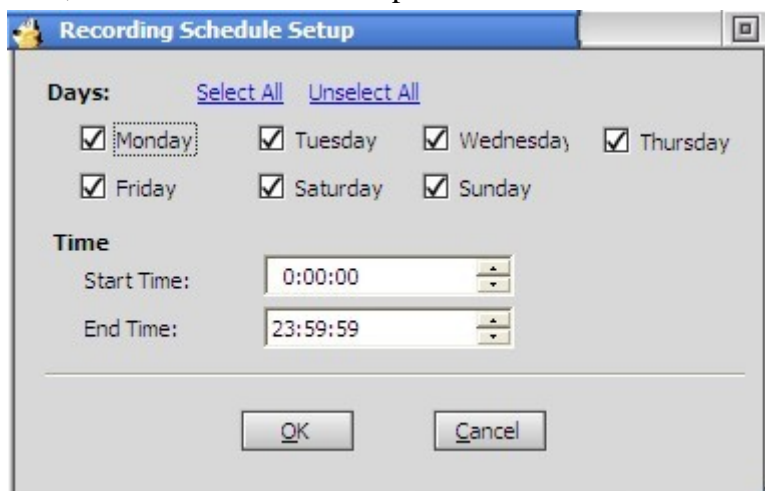
As is shown in the following picture:



6.2.3 Recording

Recording is the basic functions of Super Client software of IP camera. There are 3 recording modes: full –time recording, planned recording and record when alarming . Planned recording is able to be designated the specific week and time section.

Recording file can be saved on appointed multiple zones, can set recording covering time, when disk is full, it will overwrite the information automatically. For IP Camera with MJPEG compression format, data can be compressed into MPEG4 format to save, which will reduce disk space.

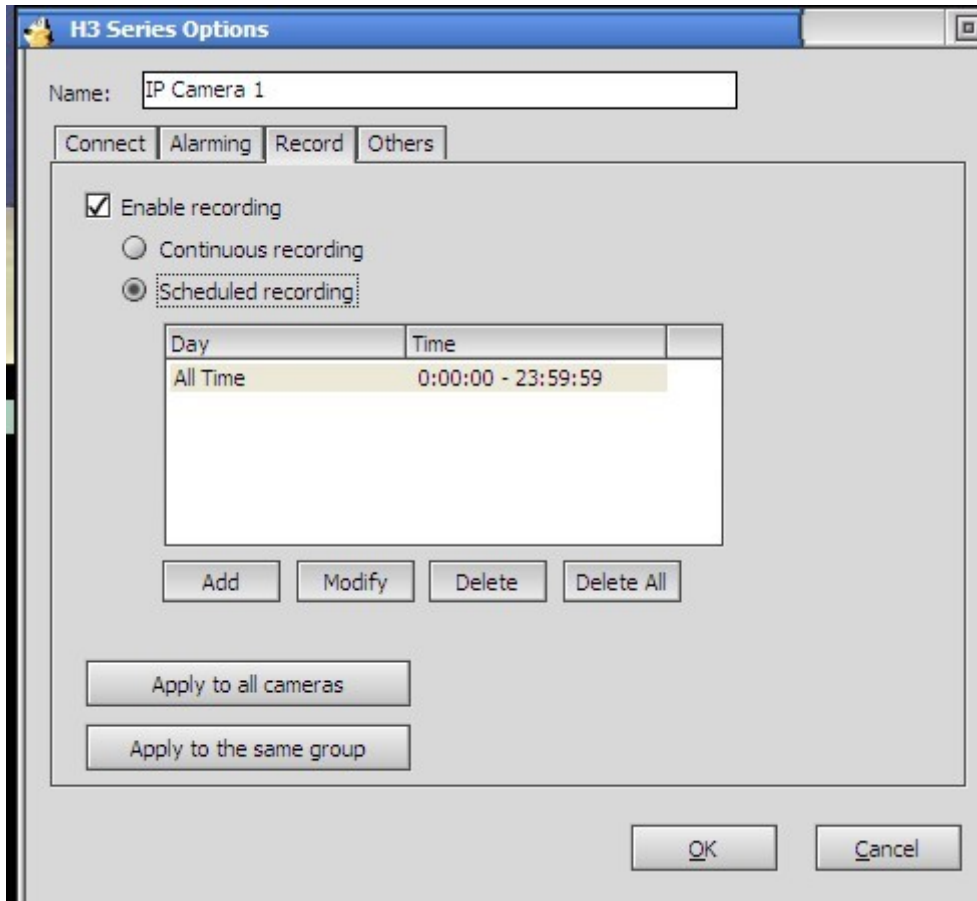


When device needs recording, first enter setting configuration to configure Enable Record: Only when “Enable Record” is initiated does the record function work.

Full time recording: records all the time;

Only in the following period record: specify the recording time. Period includes week and time.

If you need to record when alarm is on, please modify its factors in alarm setting. Enable alarm and set the alarm action to record.



6.2.4. Additional information

The user can use this option to add some remark information for the camera, such as user name, telephone, address, memo etc

H3 Series Options

Name:

User Name:

Telephone:

Address:

Memo:

7.Platform introduction

Platform address: <http://app.ipcam.hk/>

By the comparison aspect of website browse and super client ,platform is as the integration of all their advantages, which is not only realize website browse & multiple images management, but also add more special functions, such as following:

- Use network browser to visit, no need install client software.
- Multiple equipment centraladministration
- Multiple images real time monitoring
- Fixed time to take photos
- Alarming SMS(short message) notice and photographing at alarming
- Support mobile access to real-time pictures & alarming records
- Message check equipment work condition
- Log inquiry

When the platform is used for the first time, it is necessary to install the platform broadcast plug-in, click the platform address to logging in the platform. When users need to play video, follow the hint of installation to install the plug-in , so that video can be played.

Please refer to the on-line help after logging in the platform for detailed information.

8. Mobile Access

First of all, the mobile phone must open the internet access function. Mobile access includes two modes: Mobile browser access (Intelligent mobile phone) and access through Java software (JAVA Mobile phone)

8.1. Smart phone Access

The smart phones are the mobile phones with operating system, such as Windows Mobile and Symbian. Due to its powerful function, the web page browser of such phones usually supports Javascript. That's why it can visit the dynamic pages of the IP camera through web page browser.

First of all, the mobile phone must open internet access function.

Use the browser on the phone to visit the address of the IP camera, e.g.

<http://demo.ipcam.hk> (“demo” is the Serial No. Each device has only one Serial No)

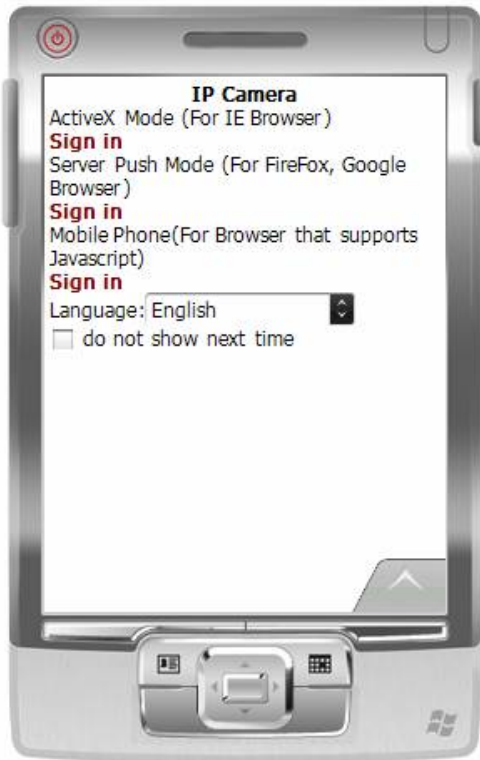
Next, taking the Opera mini 4 Version on Windows Mobile as an example, we are going to introduce the whole procedure. Enter access address <http://demo.ipcam.hk> in the browser address bar, the following interface will appear:



2. Input the Username and Password of the device, and the following interface will appear. There are three log-in options. Click on the third “Sign in” and use Mobile Phone mode.

Language is used to select the display language.

Do not show next time: When this option is selected, this interface will not appear when you log in next time. It will directly skip to the monitor image. .



Description for the monitor image:



Instruction for the Key Function:

Update: it is used to refresh the page. If the monitor picture is kept still, you may press this key to update the page.

Up, down, left, and right: They are used to rotate the camera P/T. The camera without P/T does not have these keys.

Stop: Stop to rotate the camera P/T

The Download address of the mobile browser Opera mini: <http://mini.opera.com>.
Download the Opera mini browser according to the mobile model.

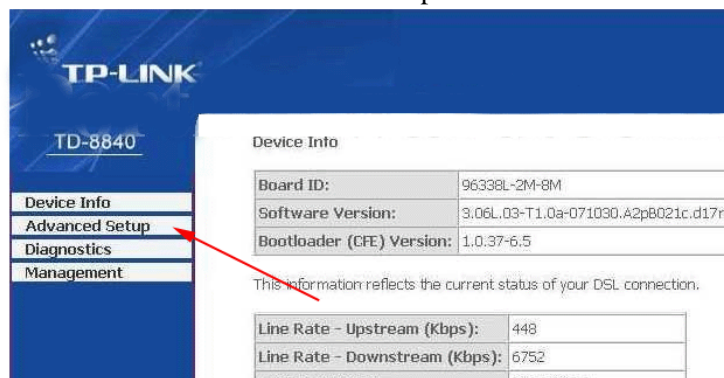
9. Others

9.1 Port Forwarding Settings in router

When a remote access via internet visit, port forwarding in router is a must, different brands routes have different name, but the operation is the same.

Take the TP-LINK TD-8840 router port mapping setting as example. To set up IP Camera as an example: router inner web IP is 192.168.1.1, IP camera inner web address is 192.168.1.50, and port is 80.

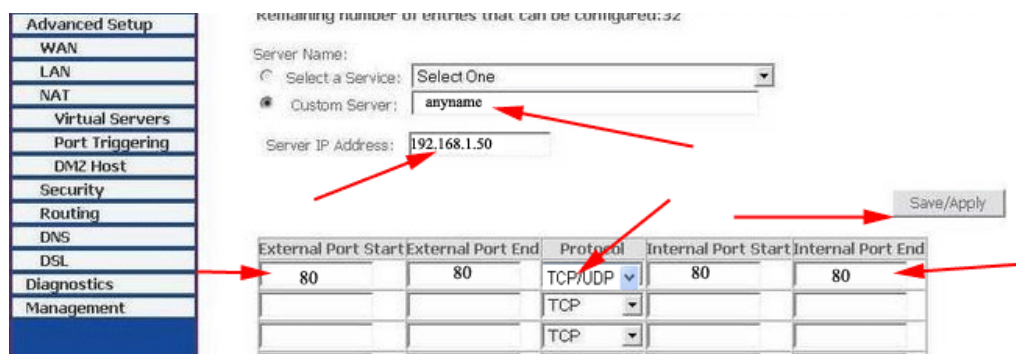
1. First log in router web administration interface.
2. Click in front of left side “Advanced Setup”



Click “virtual server” in the unfolded menu.



3. fill “80” under the right **port start** or **port end**, **Server IP address** fill "192.168.1.50", protocol select "TCP/UDP"OR“TCP”, finally don't forget click under “save/apply”



When complete port forwarding, you can visit camera through device code in outer net remotely;





Common router default visit address

1. DLINK ex-factory definition router address is 192.168.0.1

2. Linksys ex-factory definition router address is 192.168.1.1
3. 3com ex-factory definition router address is 192.168.2.1
4. Microsoft ex-factory definition router address is 192.168.2.1
5. Net gear ex-factory definition router address is 192.168.1.1
6. Asus ex-factory definition router address is 192.168.1.1

9.2. Specifications for part of H3 series Products

This series include many modes with different configuration,users can choose them according to their requirments.

Model image	Specifications
	Box shape,wired,IR distance 20m,two way audio
	Box shape,IR distance 40m,wireless or weired(optional),two way audio
	Wireless or wired (optional),two way audio,P/T roation angle: horizontal 270 ⁰ ,vertical 90 ⁰
	Ceiling shape ,indoor use,IR distance 20m

10. Frequently Asked Questions

Question: Why the camera can't be found with a search bar?

Answer: 1. Please check whether IP camera and search bar locate in the same LAN network.
2. Internet cable or power connection problem also leads to **【under normal condition, power light (yellow) constant on, network light (green) constant sparkle】**
3. Whether a firewall is installed in the computer where the Finder is located.

Question: How many motion detection areas do the series support?

Answer: H series support up to 4 motion detection areas.

Question: Does the H series allow the users to browse dynamic video through mobile phone?

Answer: Yes, H series is available to watch the dynamic video through smart mobile phones

Question: Does Super Client support Vista and Linux system?

Answer: Yes, It supports Vista system. But it does not support Linux system for now.

Question: How to set the IP camera and PC into the same segment within the LAN?

Answer: After finding the camera with the search bar, click the Automatic Setting button.

Question: Why the mobile access software can't visit the IP camera?

Answer: 1. Whether the mobile phone has opened the internet access function, and has set the right internet access options.

2. Make sure that the IP camera can be visited through Internet

11. Product Warranty

According to the Warranty Card, any breakdown resulted from the product itself under normal using condition are covered by free maintenance within the warranty period.

11.1. Warranty Instructions

- a) The Free maintenance period of the product is one year. Users can enjoy free maintenance service (Non-artificial damages) by this card within the warranty period. Maintenance fee will be charged for the maintenance beyond the warranty period.
- b) Breakdown caused by misuse or other reasons or that beyond the warranty can be repaired by this card, free of maintenance fee, and only the cost for component replacement will be charged.
- c) When the product needs maintenance, it shall be submitted to the manufacturer or local distributor together with this card.
- d) Products with their shells taken apart or sealing labels torn up without authorization are beyond the warranty range.
- e) Breakdown of machines caused by modification or addition of other functions is refused to be repaired.

Free Maintenance will not be available under the following circumstances,:

- a) Normal wear and tear caused by periodic inspection, maintenance, repair or replace of components.
- b) Damages caused by falling, extrusion, artificial immergence, moisture or other artificial reasons.
- c) Damages caused by flood, fire, lightning and other natural disasters or force majeure factors
- d) Machines has been repaired by unauthorized maintenance center.

All above terms, if these are any changes, are subject to relevant regulations.

Cut along the broken line

11.2. Warranty Card

Please fill out the following form, then cut it off and return it to us together with the product.

Product Model		
Release Date		
User Company		
User name		
User Address		
Tel. No.		
Maintenance Date	Breakdown Conditions	Maintenance Result
Remark:		

WE NEVER STOP TRYING!