

IP Camera user manual

Product name:High definition IP Camera

Document version:4.2

The manual for: V6.1.6.2.1-20131128 and above editions

Editions suit for IP Camera

Directory

1 Products overview.....	4
2 Technical Parameters.....	5
3 Appearance and interface.....	6
4 Equipment installation.....	8
4.1 Running environment.....	8
4.2 Device connect.....	8
5 Network Settings.....	9
5.1 Quick Setting Guide.....	9
5.2 System login.....	11
5.3 Configuration manufacturers DDNS.....	13
5.3.1 Port forwarding.....	13
5.3.2 DDNS.....	14
5.3.3 Manufacturers domain name visit.....	15
5.3.4 Third party dynamic domain name visit.....	15
5.4 Mobile Access.....	15
5.5 Mobile phone software visit.....	16
5.6 WIFI Setting.....	16
5.7 RTSP monitor.....	17
6 Function Setting.....	20
6.1 monitor.....	20
6.1.1 Main Menu.....	20
6.1.2 Video display area.....	20
6.1.3 Capture.....	21
6.1.4 Record.....	21
6.1.5 Playback.....	21
6.2 Video Setting Page.....	22
6.2.1 Image Setting.....	22
6.2.2 Video Setting.....	23
6.2.3 Audio Setting.....	25
6.3 Network Setting Page.....	26
6.3.1 Basic Network Setting.....	26
6.3.2 WIFI Setting.....	27
6.3.3 Remote Access Setting.....	28
6.3.4 Platform setting.....	29
6.3.5 ONVIF Setting.....	29
6.4 Alarm Setting Page.....	30
6.4.1 External Alarm Input.....	30
6.4.2 Motion Detection Setting.....	30
6.4.3 Alarm Mode Setting.....	30
6.4.4 Alarm Time Setting.....	31
6.5 Advance Setting.....	31
6.5.1 User Management.....	31

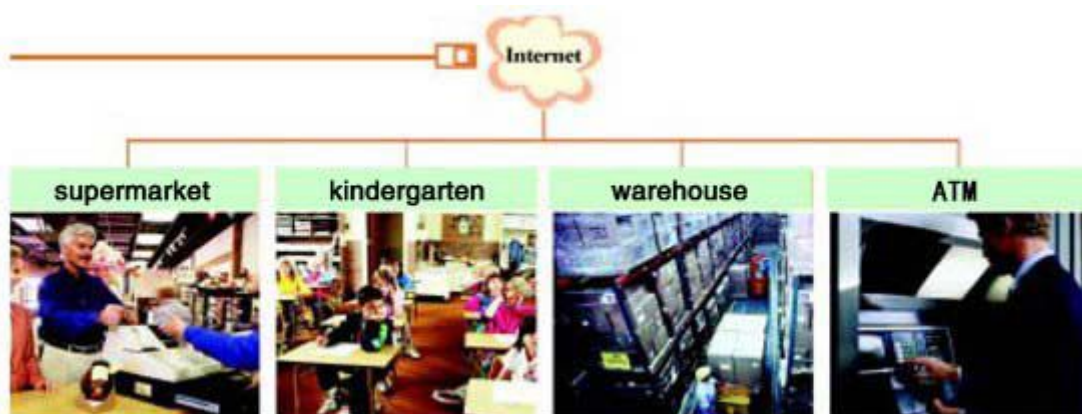
6.5.2 Auto Snap Setting.....	32
6.5.3 Email Setting.....	33
6.5.4 Timer record.....	33
6.5.5 FTP Setting.....	34
6.5.6 Terminal protocol.....	34
6.6 System Setting.....	35
6.6.1 Date and Time Setting.....	35
6.6.2 Initialize Setting.....	35
6.6.3 Device Information.....	36
7 FAQ.....	37

1 Products overview

IP Camera is designed as web server running on network it can transmit real-time video to anywhere through internet, and user can view real-time live video via web browser any time .It is available to large stores, schools, factories, houses, etc.

Basic function IPCAM can transmit real-time live video data to remote place through internet with hardware compression method H.264 which providing high-quality video image.

The IP Camera video data transmission is based on TCP/IP protocol, built-in web server supporting internet explore ,it make more easy to manage and maintain the devices to remotely configure ,start and upgrade firmware, etc.



Please check if the items are all in before installation of IP camera ,if there is some missing, please contact seller.

List of articles:

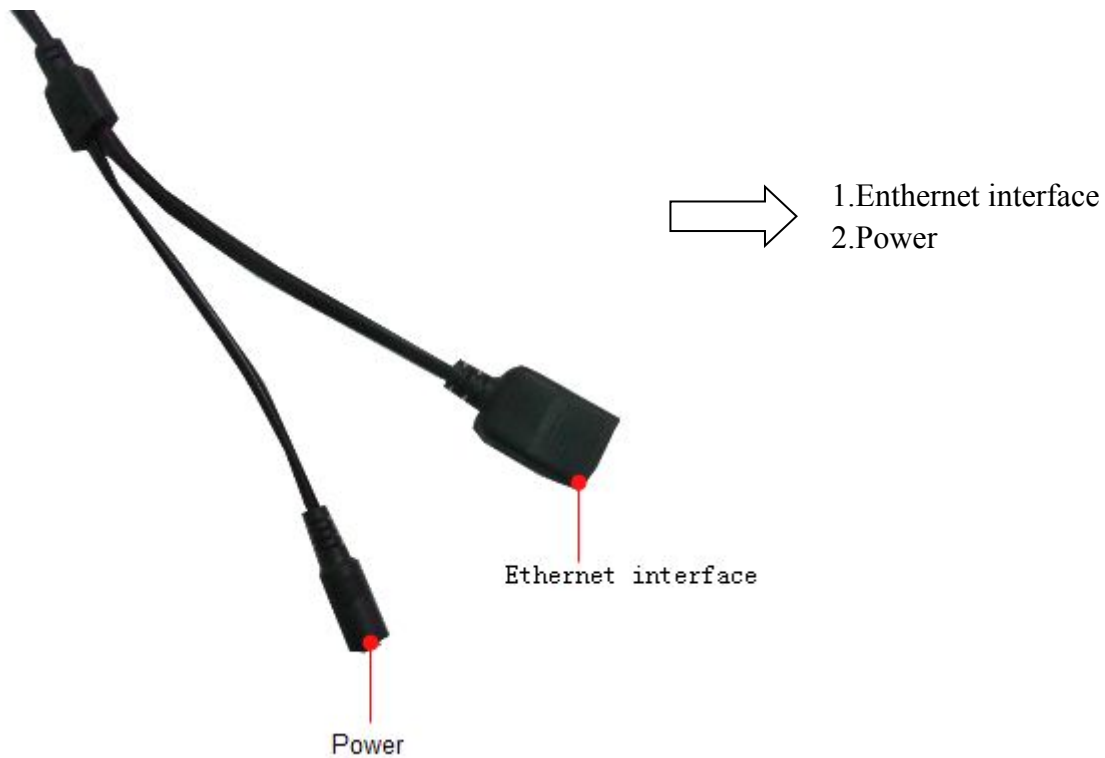
IP camera.....	1
Bracket (to be equipped by the model)	1
WIFI antenna (for wireless model)	1
Power adapter	1
Qualification certificate.....	1
CD	1

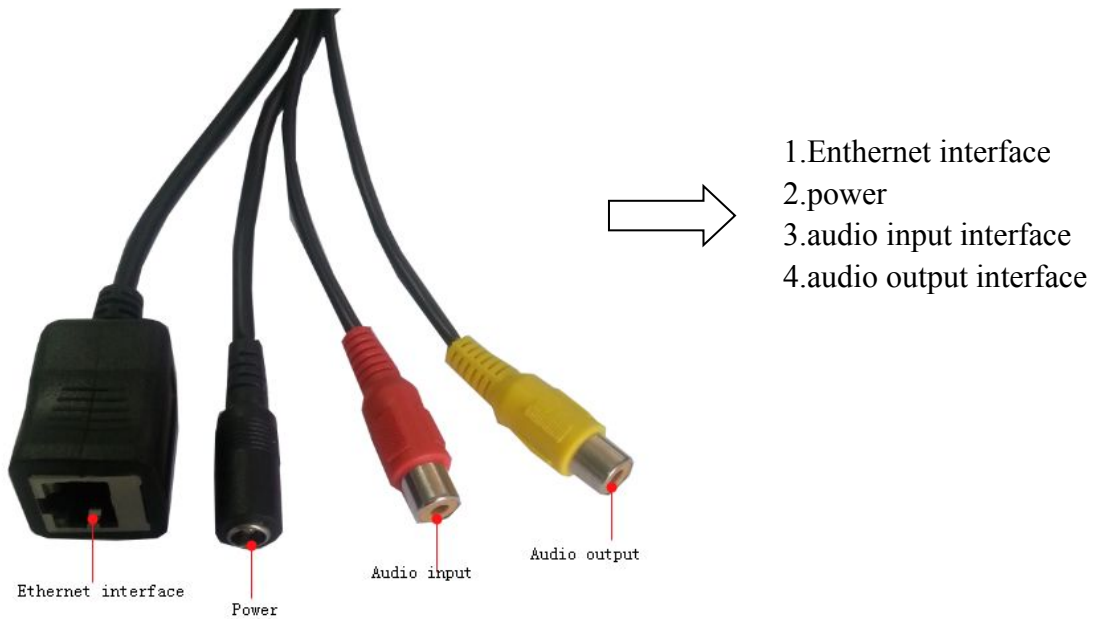
2 Technical Parameters

- ✓ Adopt mega pixels CMOS sensor, support 1280*720 video resolution.
- ✓ Support H.264 Baseline profile video coding
- ✓ Support Dual video stream synchronous transmission
- ✓ Support Mobile monitoring
- ✓ Support WIFI/802.11b/g/n wireless network(Optional)
- ✓ Support ONVIF
- ✓ Support two-way voice intercom
- ✓ Support sending email, attaching picture
- ✓ Support DHCP
- ✓ Support DDNS
- ✓ Support Motion-Detection(multiple regions and sensitivity can be set) and sensor alarm
- ✓ Support remote alarm linkage, multiple alarm time can be set
- ✓ Support recording and snapshot in PC through live video
- ✓ Support up to 12 users browsing at the same time(Each stream supports four users)
- ✓ Support multiple network protocol, such as TCP/IP, HTTP, TCP, ICMP, UDP, ARP, IGMP, SMTP, FTP, DHCP, DNS, DDNS, NTP, UPNP and so on
- ✓ Only 1 network port is used for IE Browsing, stream transmitting and command access, convenient for router setting
- ✓ Support UPNP
- ✓ Can provide CMS (charge needed)

3 Appearance and interface

Multifunctional finish line:





1 Power

external power adapter **DC 12V/1A**

2 Ethernet interface

The network interface for 10/100 M adaptive Ethernet interface, through the interface can with all kinds of network equipment connection.

3 Audio input interface

Used for external microphone or linear audio input signals, such as pickup signal. If meet linear audio input signal, need to be installed where in the audio, choose linear input.

4 Audio output interface

Output audio signals, used for external sounds play equipment, like the headphones, sound box.

4 Equipment installation

4.1 Running environment

Operating system: Windows 2000/2003/XP/vista/7

Network protocol: TCP/IP

4.2 Device connect

1. Connect the crystal head of network cable to RJ45 interface of IP camera
2. Connect the power adapter to the electrical outlet of the IP camera and power on
3. The network connection normally in 5 seconds at the network connection of light (orange) will light up, data indicator light (green) shine, this time the network cameras physical connections to complete.

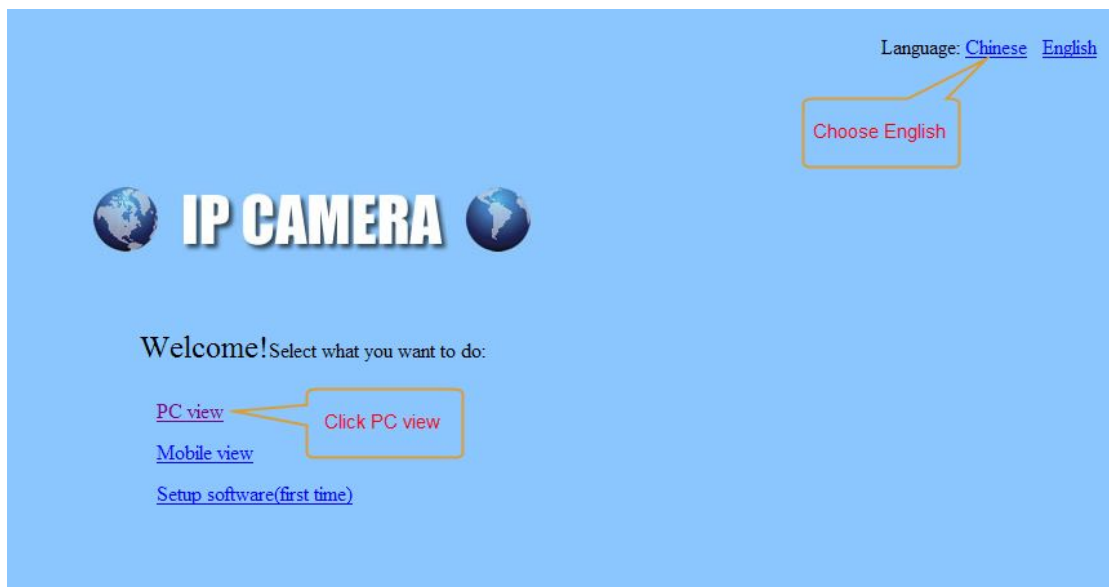
5 Network Settings

5.1 System login

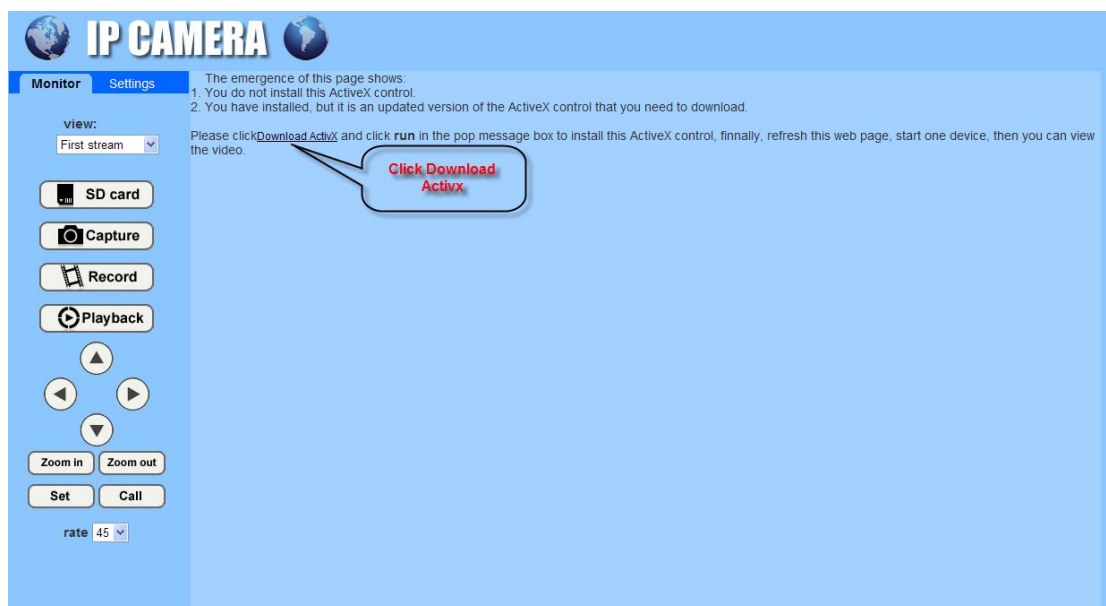
- 1) Open the web page, enter default IP address: <http://192.168.1.88>;



- 2) Input the authorized user name and password, the default user name of the camera is admin, password is admin, The following page will be shown after correct password authentication



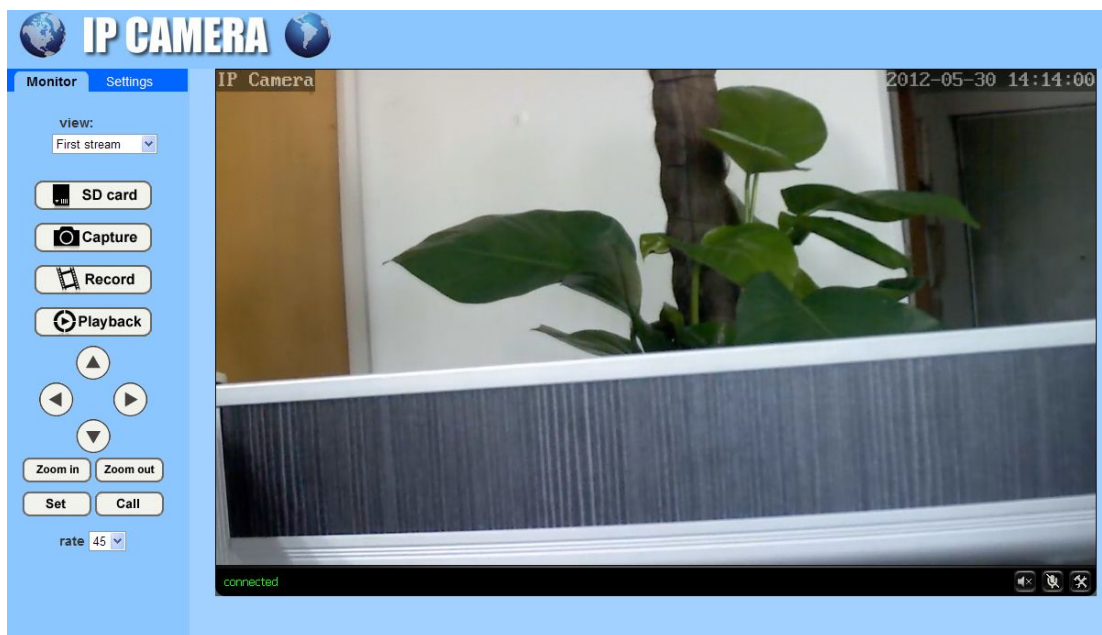
- 3) Click the "PC view" into the web camera screen,



4) Click the "Downloadactivex", POP-up as below, click run button, installation button;



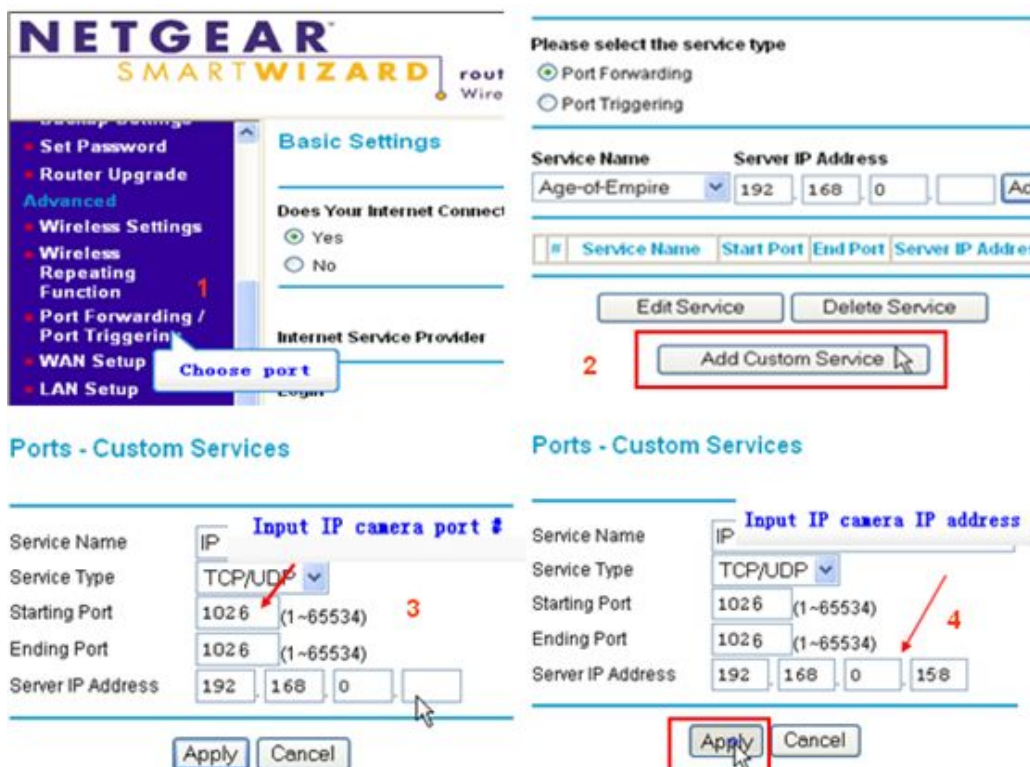
5) Activx installation is completed, click "Monitor" can browse as below interface;



5.2 Configuration manufacturers DDNS

5.2.1 Port forwarding

If visit IP Camera from WAN, you must do port forwarding on the router. Take Netgear router for example.



Operation Steps:

After login the interface of the router, choose "Port Forwarding";
Choose "Add custom Service" ;
Input IP camera port;
Input IP camera IP address, click "Apply" (the http port and ip address should be the same as figure 4 which set by you own).

Note: Different router has different settings for port-forwarding; please kindly follow your router guide to do the port-forwarding.

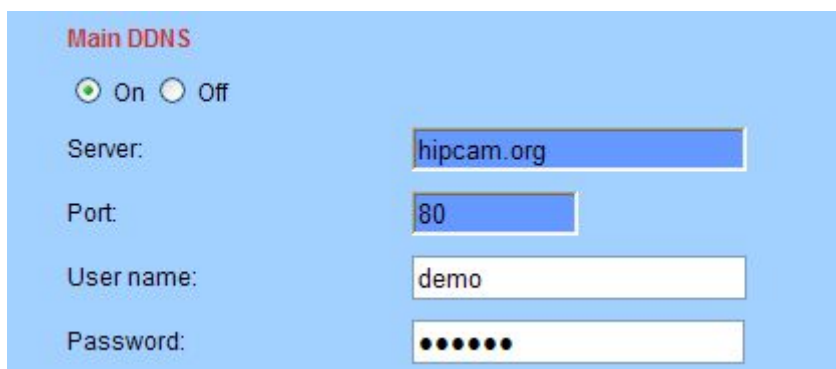
After the port-forwarding is done, you could view the IP Camera from WAN now.

5.2.2 DDNS

Manufacturer's Domain name:

Device manufacturer has established a DDNS, and allotted a dynamic domain name to every device, the domain name has been integrated into devices when producing. For example, enter domain name , the browser will connect the device and display the IP address.

Note: dynamic domain name by manufacturer manufacturer provides the user name and password



Main DDNS

☒ On ☐ Off

Server:

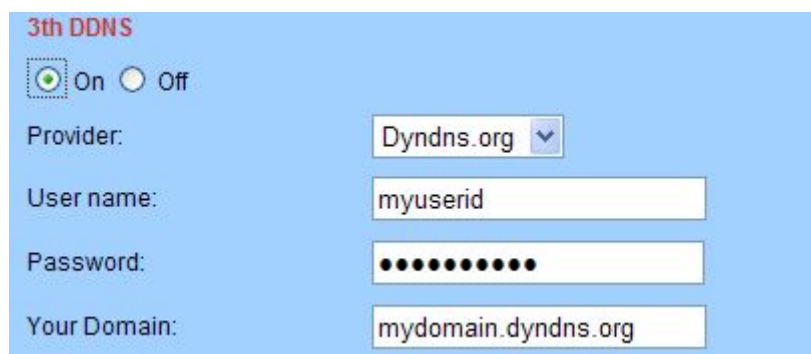
Port:

User name:

Password:

Third Part Domain Name:

User can also use third part DDNS, such as www.dyndns.com User must apply a free domain name from this website and fill the info into the below blanks (Figure 12) and save the settings. Then the domain name can be used.



3th DDNS

☒ On ☐ Off

Provider:

User name:

Password:

Your Domain:

5.2.3 Manufacturers domain name visit

The router configuration parameters and camera parameters, in the browser to enter your user demo.Hipcam.org directly to the camera, such as manufacturers with user name: 99 a1234b, the domain name for [99 a1234b.Hipcam.Org](http://99a1234b.Hipcam.Org)

Note: use the manufacturer domain name visit camera, doesn't need an HTTP port, input domain name only can access

5.2.4 Third party dynamic domain name visit

the product also can support third party ddns, such as oray

Note:the third party ddns realizes the function by analytical methods,after inputting the ddns in browser,the characers would not change,if the port is not 80,need to add a colon and port behind the ddns such as: <http://demo.dyndns.org:1024>

5.3 Mobile Access

In the mobile phone browser input domain name:

<http://viewipcam.dyndns.org/mobile.html> 或 <http://viewipcam.dyndns.org/wap.wml>

If the camera HTTP port is changed, please input:

[http://viewipcam.dyndns.org: 端口/mobile.html](http://viewipcam.dyndns.org:端口/mobile.html) 或 [http://viewipcam.dyndns.org: 端口/wap.wml](http://viewipcam.dyndns.org:端口/wap.wml)

5.4 Mobile phone software visit

- 1.support android 、 Iphone system
- 2.Go to the 【AppStore】 for Iphone, search “hi player”

Note: it is recommended that in "video parameters" page code of the time flow rate for 64 K code modify the following, frame rate set to 8 frames the following, if set too large, mobile phone decoding slow, can lead to phone the image to see a delay

5.5 WIFI Setting

- 1、 Through the local area network configuration IP Camera network parameters,makes a pc can access IP Camera;
- 2、 Configuration wireless parameters of the wireless router
- 3、 Configuration wireless parameters of the IP Camera

The screenshot shows the 'Wireless' configuration page. Annotations are as follows:

- 1 open**: Points to the 'Enable Wireless' radio buttons, with 'On' selected.
- 2 search**: Points to the 'search' button next to the SSID input field.
- 3 choose router SSID**: Points to the 'Join' button in the table below.
- 4 input password of the wireless router**: Points to the 'Key' and 'Re-type key' input fields.
- 5 click "apply" save setting**: Points to the 'Apply' button at the bottom.

Table data from the screenshot:

Action	RSSI	SSID	Encrypt	Auth
Join	-45	linksys	AES	WPA(2)-PSK

Note: if the router to wireless set not set password, it does not need to enter the password and click "check"

Pop-up is shown below, says WIFI is set correctly, click on the "application" save Settings, if tip connection, please enter a password, and then click on the "check"

Checking WiFi, please wait about 30 seconds.

Connected to WiFi successfully.
Select "Apply" to save these settings.

close

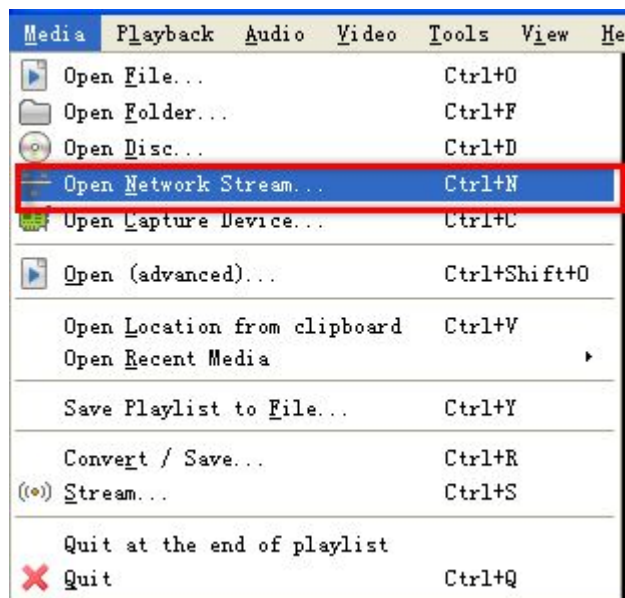
4、 Disconnect IP Camera after, power off to restart IP Camera, Can use WIFI connection

Note: after open WIFI function, if need to use wired connection way, must first network cameras connected to the Internet, and then to the web in cameras electric start, or network cameras into the wireless connection to state

5.6 RTSP monitor

TCP:

1. Open the vlc player, Click on the "Media" → "Open Network stream or "Ctrl+N" ;

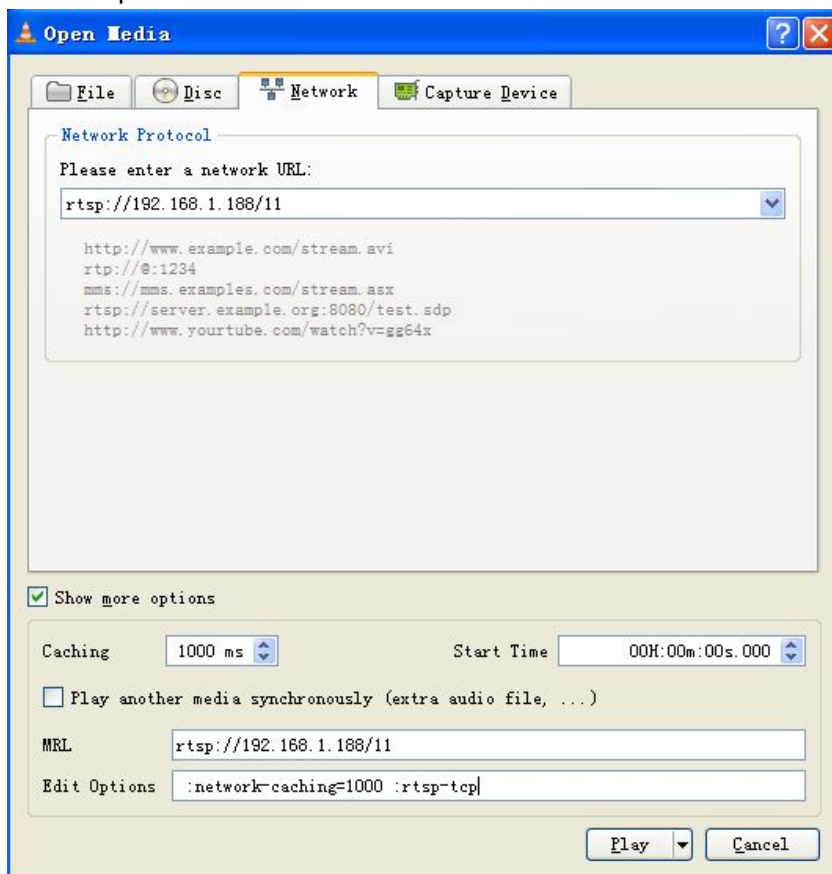


2. Input URL address:

First stream: RTSP://192.168.1.88/11

Second stream: rtsp://192.168.1.88/12

Third Stream: rtsp://192.168.1.88/13



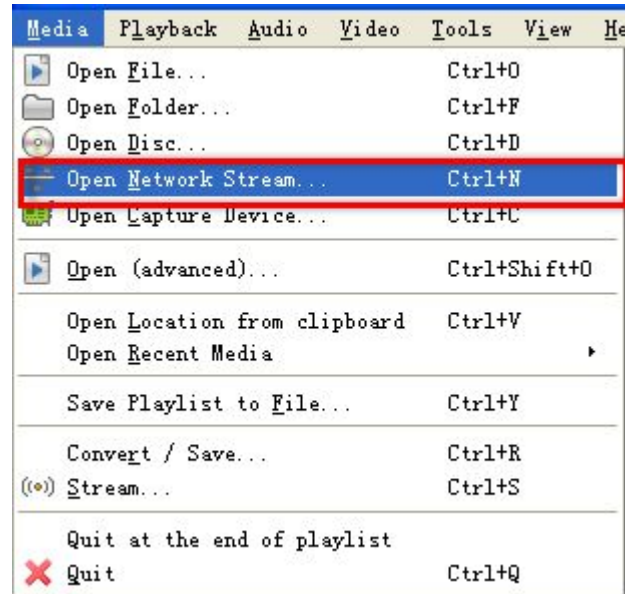
NOTE:

- IP is 192.168.1.88; Rtp port is 554(omitted)
- RTSP using TCP connection needs to be input in the Show more options:

“:rtsp-tcp”

UDP:

1. Open the VLC player, Click on the “Media” → “Open Network stream or “Ctrl+N” ;

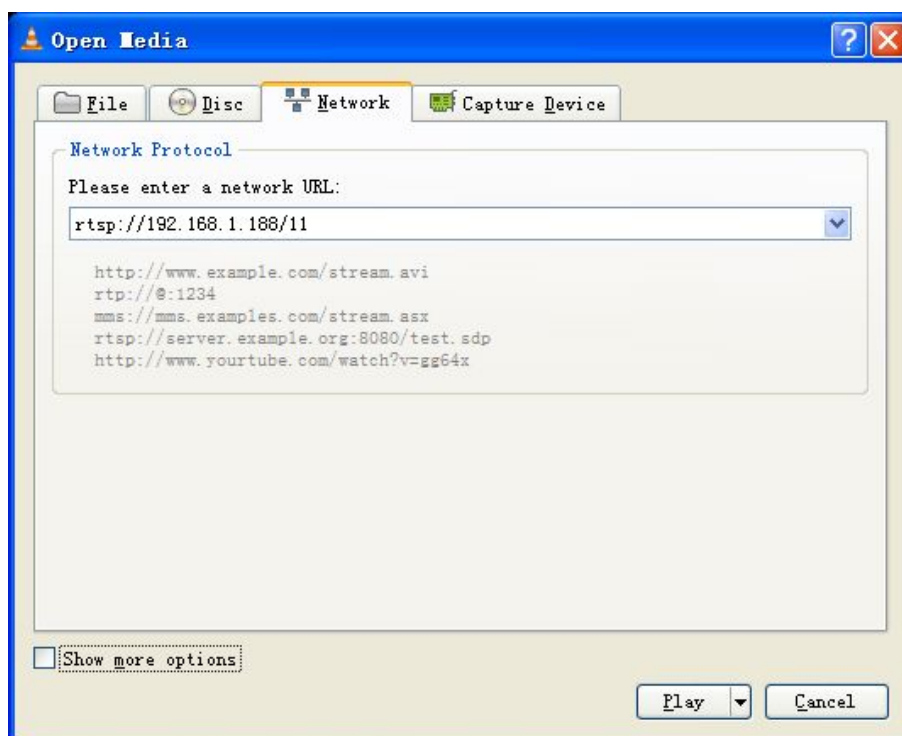


3. Input URL address:

First stream: RTSP://192.168.1.88/11

Second stream: rtsp://192.168.1.88/12

Third Stream: rtsp://192.168.1.88/13

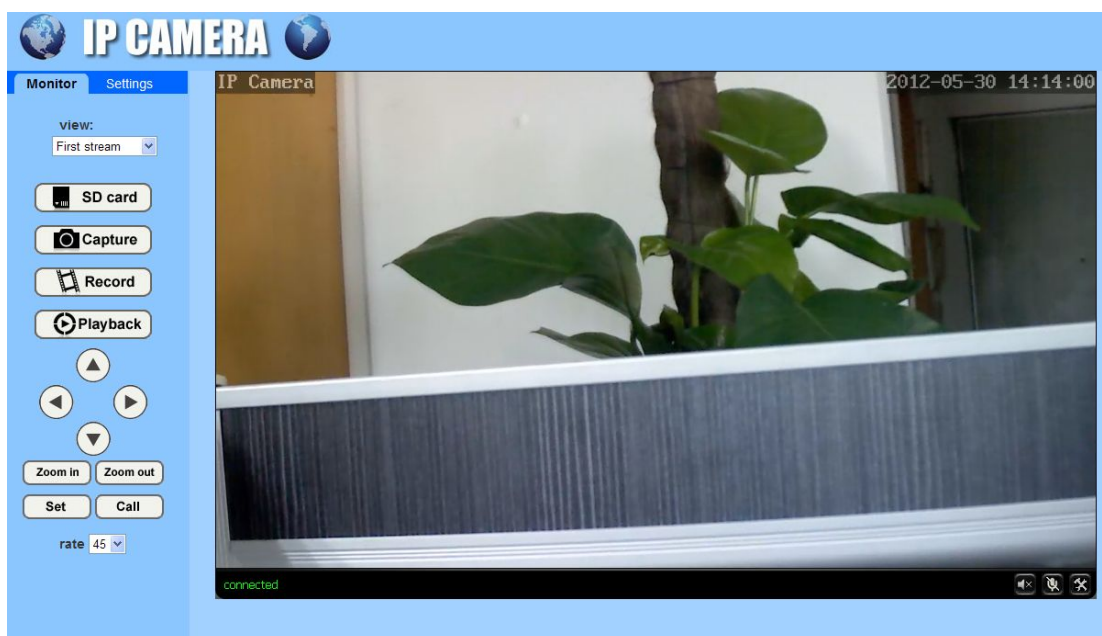


NOTE: if required by way of internet , we need to map the following ports:

TCP	554	RTSP port
UDP	554	RTSP port
	6600	UDP port
	6602	Audio port

6 Function Setting

6.1 monitor



6.1.1 Main Menu

Menu bar all pages are including two class in the Menu bar: including real-time parameter Settings and monitor; display of the camera is the prison see pictures and related operation function keys; Set the main parameters is set the camera related parameters.

6.1.2 Video display area

The video displaying area is correspond to the resolution, the higher the resolution is, larger the displaying area will be. If motion detection was set, when it has detected any movements of the certain area, it will show a pane to call user's attention.



- 1) Connection status display;
- 2) Audio play button: it can play out the sound which collected by the equipment on the computer, click it again, it will stop playing.
- 3) Talk-back button: it can transmit the sound which collected by the computer to the equipment, and played out by the speakers which was connected to the equipment, click it again, it will stop playing;
- 4) File saving location setting: you may set the location for recording and capturing, the default location is D:/record

6.1.3 Capture

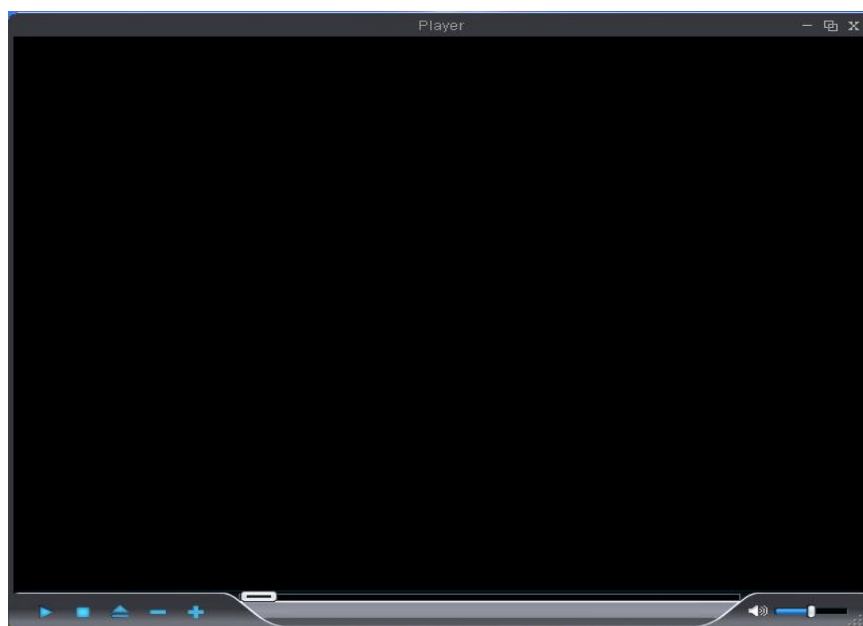
Click the Capture button, which could take photos for the current video and store the image at the present path.

6.1.4 Record

Click "Record" button, which could record the video with audio and store it at the present path. When recording, there will be an indicated symbol in the status of video display area to show you it is recording. Click the "Record" button again, and then the record stops.

6.1.5 Playback

Click "Playback" button, it will pop up a player which could play the video stored on your PC disk.





these buttons are for play, stop, the previous recorder, the next recorder, open the recorder file. Please click the button of “open the recorder file” first, and select the file you want to play, you can playback the recorder.

6.2 Video Setting Page

6.2.1 Image Setting

1) Colour adjust

Drag the slider above, can adjust the brightness of the image, saturation, contrast, and meet their vision of user preferences;

2) Sensitivity

Can drive through the slider setting color turn black camera time, the smaller the sensitivity, the image color the later turned black, sensitivity, the bigger the image color turned black more early;

3) Flip and mirror

Image Flip and mirror

4) IRCUT time

IRCUT threshold Settings, default is 250

6.2.2 Video Setting

Video settings

Video format: 50Hz ▾

Video Coding: mainprofile ▾

First stream

Resolution: 1280x720 ▾

Bit rate: 4096 kbps (32-6144)

Maximum frame rate: 25 ▾ fps

Key frame interval: 50 (2-150)

Bit rate control: ☐ CBR ☒ VBR

Image quality: 1 ▾

Second stream

Resolution: 640x352 ▾

Bit rate: 1024 kbps (32-6144)

Maximum frame rate: 25 ▾ fps

Key frame interval: 50 (2-150)

Bit rate control: ☐ CBR ☒ VBR

Image quality: 1 ▾

Third stream

Resolution: 320x176 ▾

Bit rate: 256 kbps (32-6144)

Maximum frame rate: 25 ▾ fps

Key frame interval: 50 (2-150)

Bit rate control: ☐ CBR ☒ VBR

Image quality: 1 ▾

Mobile picture resolution

Resolution: 320x176 ▾

Parenthesis Options

Time Stamp: ☒ On ☐ Off

Camera name: ☒ On ☐ Off

- 1) **Power Line Frequency:** If the monitoring site adopting lighting elimination, user should set a corresponding frequency. If the two frequencies are different, the image will flick. There are two frequencies on the world, one is 50HZ, and the other is 60HZ. In China, adopt 50HZ.
- 2) **Video coding:** setting Main profile and baseline coding, default coding is main profile;
- 3) **Resolution Adjustment: First Stream:** There is 960P(1280*960)/720P(1280*720)、**Second Stream** is 640*352(for 720P)/640*480(for 960P)、**Third Stream** is 320*176(for 720P)/320*240(for 960P); The bigger the resolution is, more clear the image will be. On the other hand the bit rate is bigger and takes more bandwidth.
- 4) **Bit Rate Adjustment(First stream):** User can choose a certain bit rate, generally speaking, the bigger the bit rate is, the more clear the image will be. Please choose the suitable bit rate according to your bandwidth. If you select a big bit rate, while the bandwidth is worse, it will cause the video stream can't be transferred smoothly, the video quality will be not perfect too
- 5) **Max Frame Rate Adjustment:** User can choose a certain frame rate, when the bandwidth is limited, suggest reducing the value. Generally, the video is fluency if the value is more 15 frames.default is 25 frames;
- 6) **Bit Rate Control:** There are two modes for bit rate control, CBR and VBR. If user choose CBR mode, the video encoder will encode according to the bit rate you have selected. If user choose VBR mode, the video encoder will consider to the image quality and encode according to the bit rated have been selected, but not strictly according to this bit rate. Suggest VBR mode.
- 7) **Camera name:** User can add the equipment's name and the time on the video page thorough this setting.

6.2.3 Audio Setting

Audio Settings

Audio Type: G726 ▼

First stream

Audio Settings: ☒ On ☐ Off

Second stream

Audio Settings: ☒ On ☐ Off

Third stream

Audio Settings: ☒ On ☐ Off

Audio Input

Input volume: 15 (1-100)

Output volume: 79 (1-100)

Apply Cancel

- 1) **Audio settings** : First stream: Audio type G.726 and G.711
Second stream: Audio type G.726 and G.711
Third stream: Audio type G.726 and G.711

- 2) **Audio input:**

Input volume: volume setting 1 to 100, default volume is 15;

Output volume: volume setting 1 to 100, default volume is 79;

NOTE: Audio input support pick-up only input, audio output support headset or power amplifier

6.3 Network Setting Page

6.3.1 Basic Network Setting

LAN Settings

IP Configuration Type: Fixed IP Address

IP address: 192.168.1.88

Subnet mask: 255.255.255.0

Gateway: 192.168.1.1

DNS Configuration Type: Manual DNS

Primary DNS: 192.168.1.1

Secondary DNS:

HTTP&RTSP

HTTP Port number: 80 (80 or 1024~49151)

RTSP Port: 554 (80 or 1024~49151)

RTSP Permission check: ☐ On ☒ Off (Note: You need to restart the machine, the settings take effect)

Apply Cancel

1) LAN Settings

1) Equipment default IP address for 192.168.1.88; The user can through the operation "Quick Setting Guide" configuration camera network parameters, user can change it according to your network environment.

2) HTTP Port

HTTP Port: The IP address Identity one IP camera in the network, you can run several programs on this equipment, and every program will transfer the data through some port, in fact data is transferred from one port to another. The port setting of this page is asking user choose which port to transfer the data for the web server; Doing port mapping, need to maintain consistent with the port (equipment factory default port is 80)

3) RTSP Port

IP camera support RTSP agreement, can use VLC tools such as direct broadcast (default rtsp port is 554)

4) RTSP Permission

Choose "on" RTSP connection use need to input the camera login user name and password, choose "off" RTSP connection doesn't need input the camera user name and password can connect;

6.3.2 WIFI Setting

The screenshot shows the 'Wireless' configuration page. It includes fields for enabling wireless, setting SSID, mode, security, and WPA settings. A table lists available wireless networks. Red circles and arrows highlight the following steps:

- 1 open**: The 'On' radio button for 'Enable Wireless'.
- 2 search**: The 'search' button next to the SSID field.
- 3 choose router SSID**: The 'Join' button in the table for the 'linksys' network.
- 4 input password of the wireless router**: The 'Key' and 'Re-type key' input fields.
- 5 click "apply" save setting**: The 'Apply' button at the bottom.

Additional visible elements include a 'check' button for 'Check Wireless Setup', a 'refresh' button, and a 'Cancel' button.

Action	RSSI	SSID	Encrypt	Auth
Join	-45	linksys	AES	WPA(2)-PSK

Please use the network cable to connect the device into Internet before doing settings of wireless connection. Please follow the above 1-4 steps to do the settings, then click "apply" to save the settings. You can also check the wireless network is connected successfully or not by clicking "Check" button. When the wireless is connected successfully, power off the device and reboot it, then the wireless network will work perfectly.

Description: when the equipment connected to the Internet, and also enable the WIFI, equipment, when activated, will be the first to choose cable connection mode, if can't connect, then choose WIFI connection. WIFI connection of the IP address and port to use with cable connection of the IP address and port use consistent

6.3.3 Remote Access Setting

Internet IP Address

Main DDNS
☒ On ☐ Off
Server:
Port:
User name:
Password:

3th DDNS
☒ On ☐ Off
Provider:
User name:
Password:
Your Domain:

UPnP Port Forwarding
☐ On ☒ Off

1) Show Internet IP address

Click the "Show" button as above Figure , it will show you another new page displaying the WAN IP address when it is connected to the Internet.

2) Dynamic domain names settings

Please refer to the content of the [5.3.2 DDNS](#).

3) UPNP

UPNP stands for universal plug and play, if you started UPNP, once the IP camera was connected into the LAN, it will communicate with the router of the LAN. It will request the router to open a port to forward its own port. User doesn't need to log in the router to set the port forwarding.

Note:

users in the use of the function, need to confirm a router also is enabled UPNP; Because many router model, not necessarily can very good support UPNP, testing and supporting the router is very good with, or suggest not start the function. At present test and TP-LINK router cooperate good.

6.3.4 Platform setting

As below picture, open platform after setting, need to input "login ID" and "password", "server address" (login ID and password and server address by platform service providers)

Platform

Enable: ☒ On ☐ Off

Device ID:

Password:

Port:

Server:

Timeout: (1-600sec)

Connection status:

Note: reboot device after update settings.

Note: when the camera and connected to the server platform, "connection" will show a "line", otherwise shows "offline"

6.3.5 ONVIF Setting

ONVIF

onvif: ☒ On ☐ Off

Server Port:

Purview: ☐ Check type ☒ No check

Time zone Settings: ☐ Allow ☒ Prohibit

Image Settings: ☐ Allow ☒ Prohibit

ONVIF switch:Default On

Server Port:Default Port 8080

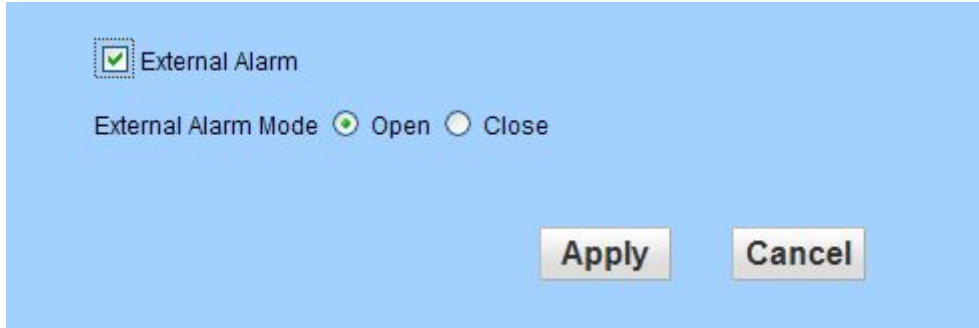
Purview:Default No check

(Depends on the back end equipment, mainly considering some back end equipment does not support check Type)

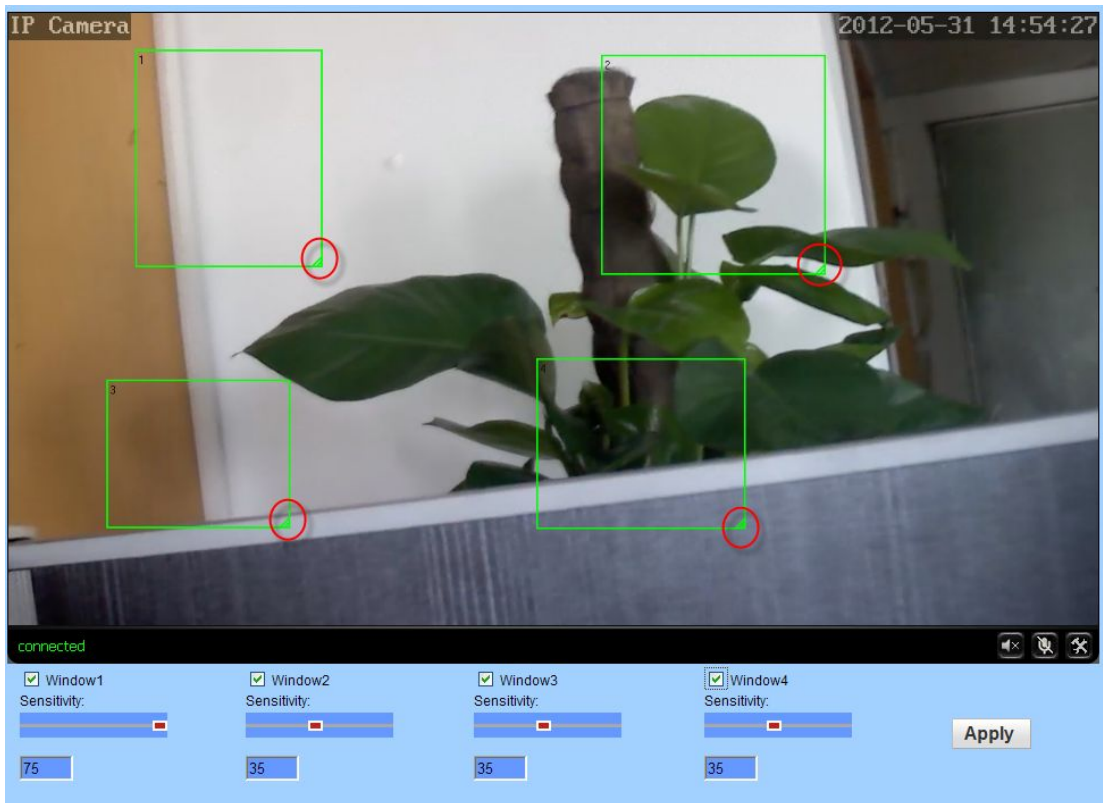
6.4 Alarm Setting Page

6.4.1 External Alarm Input

choose "open" or "close" according to the type of the external alarm detector



6.4.2 Motion Detection Setting



Please click "apply" after settings are done, and motion detection takes effect. The bigger the digital, and the higher sensitivity.

6.4.3 Alarm Mode Setting

When the alarm is triggered, user can adopt several ways to alarm.

- Send alarm info to E-mail.
- Save alarm picture on the ftp server.
- Save alarm video on the FTP server.
- Save picture on the SD Card
- Save Video on the SD card

- Settings image capture number, choose 1 to 3

Linkage set

☐ E-mail Alarm and Send with Picture [Email Setting](#)

☐ Save Picture on the FTP Server [FTP Server Setting](#)

☐ Save Video on the FTP Server

☐ Relay out 5 sec ▼

☐ Save Picture on the SD Card

☐ Save Video on the SD card

Image capture

Image capture number: 3 ▼

Apply Cancel

Note: Please insert the SD Card, should the "Save Video on the SD card" and "Save video on the FTP server" take effect.

6.4.4 Alarm Time Setting

schedule

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sunday	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Monday	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Tuesday	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Wednesday	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Thursday	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Friday	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Saturday	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green

Apply Select List Clear List

The device will trigger the alarm only during the armed time period.

Note: Please make sure your system time is correct before you set the alarm time period. Please refer to 5.5.2 to set system time.

6.5 Advance Setting

6.5.1 User Management

There are 3 levels of user authorization.

- Administrator: "admin" has the highest authority. It can do any settings. Factory default password: admin
- User: user can only operate the device but can't do any setting changes. The default password is **user**
- Guest: User can view the video, but can't operate the device. The default password is **guest**

Note: Please change these 3 level passwords when your first use to ensure your safety.

Purview	User name	Password	Re-type password
admin	<input type="text" value="admin"/>	<input type="password" value="....."/>	<input type="password" value="....."/>
user	<input type="text" value="user"/>	<input type="password" value="...."/>	<input type="password" value="...."/>
guest	<input type="text" value="guest"/>	<input type="password" value="....."/>	<input type="password" value="....."/>

6.5.2 Auto Snap Setting

SD cardsnap interval:	<input type="text" value="60"/> sec
<input type="checkbox"/> Save Picture on the SD Card	
FTPsnap interval:	<input type="text" value="5"/> sec
<input checked="" type="checkbox"/> Save Picture on the FTP Server FTP	

Tick "Save Picture on the SD card ", the snap pictures will be stored onto SD card or send to ftp server;

6.5.3 Email Setting

Email Setting

SMTP server name: Server Port ssl ☐

Authentication: ☒ On ☐ Off

User name:

Password:

Send To:

Sender:

Subject:

Message:

alarm

 (the max length is 127)

Test Email settings: Please set first, and then test.

- SMTP server: fill with email server address, for example: sohu email sever, here you should fill with "smtp.sohu.com"
- In Figure , the blanks which have been filled with info should be filled. If any info is not filled right, the setting will fail.
- First click to "Apply",second click to "Test".

6.5.4 Timer record

Record Setting

Record files duration: sec

Whether to open Record: ☐ On ☒ Off

Stream:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sunday																								
Monday																								
Tuesday																								
Wednesday																								
Thursday																								
Friday																								
Saturday																								


Record files duration:can be setting record files duration,default set 600 sec;

Open record:choose Whether to open Record to SD card;

Stream:setting Record Stream

Record time: setting timer record

6.5.5 FTP Setting



FTP

Server Address: hichip.3322.org

Server Port: 1234

User name: hi11

Password: ••••

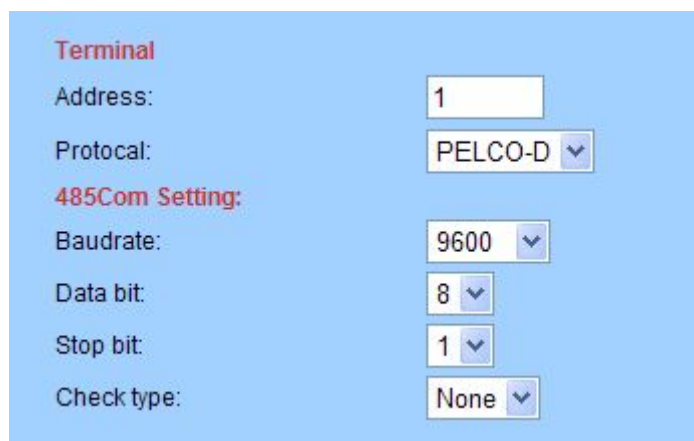
Passive mode: ☐ On ☒ Off

Path: /1231

Test FTP settings: Please set first, and then test.

Note: in order to use FTP functions, we first need to on the FTP server application user name and password, and apply for certain storage space, and asked for the user to the storage space has written and establish directory permissions.

6.5.6 Terminal protocol



Terminal

Address: 1

Protocol: PELCO-D

485Com Setting:

Baudrate: 9600

Data bit: 8

Stop bit: 1

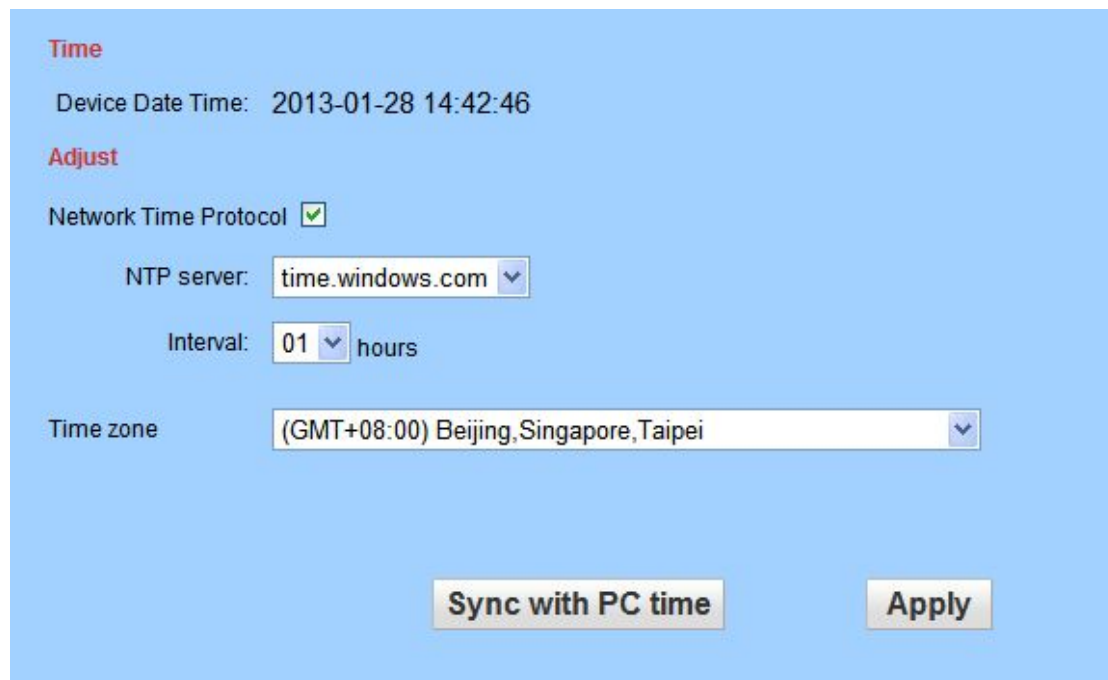
Check type: None

IP camera support RS485 agreement, when using, need to choose to use the agreement, address and Baud rate;

IP camera only support PELCO-D and PELCO-P two kind of agreement

6.6 System Setting

6.6.1 Date and Time Setting



Time

Device Date Time: 2013-01-28 14:42:46

Adjust

Network Time Protocol ☒

NTP server: time.windows.com ▼

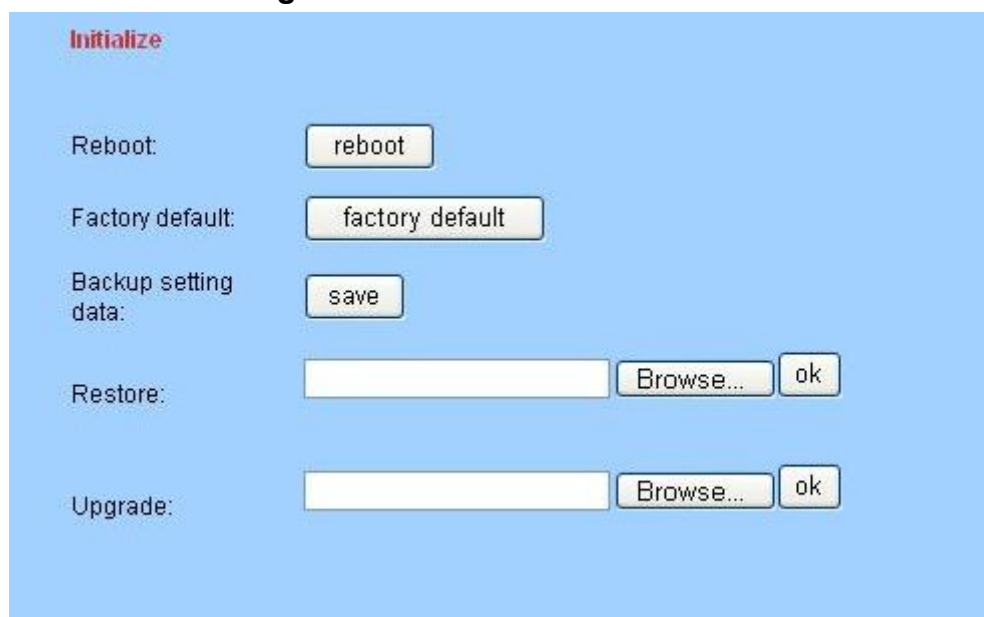
Interval: 01 ▼ hours

Time zone: (GMT+08:00) Beijing, Singapore, Taipei ▼

Sync with PC time Apply

Please refer to above Figure . There are three options to set the time and date. One is manually, another is keeping the same as the time and date on the computer, and the third one is getting it from the NTP server.

6.6.2 Initialize Setting



Initialize

Reboot: reboot

Factory default: factory default

Backup setting data: save

Restore: Browse... ok

Upgrade: Browse... ok

- Reboot button to restart the equipment, if you have set the pre-position, and it will turn this position.
- Click "Factory Default" button, equipment will restart and back to all the default settings.

- Click “save”, it will save all the present settings.
- “Restore” part, select the setting file you have saved, click OK, it will recover all the settings.
- “Upgrade” part, select the firmware file for upgrading, click OK, and you are able to upgrade the equipment. After the upgrading, equipment will restart. Upgrading took a little long, please wait patiently. If upgrading is finished, it will show you a message to remind you.

6.6.3 Device Information

Device information	
Device ID:	IPCAM
Device Type:	C6F0SfZ3N0P0L0
Network connection:	LAN
Current Client:	0
Software Version:	V6.1.6.2.1-20131224
Mac address:	00-B2-45-4A-C6-E2
IP address:	192.168.1.128
Subnet mask:	255.255.255.0
Gateway:	192.168.1.1
Primary DNS:	192.168.1.1
Secondary DNS:	
UPnP status:	Success
Manufacture's DDNS status:	Success
Third Party DDNS status:	Dyndns Success http://hichip3.dyndns.org
Start Time:	2013-12-26 18:27:44
SD status:	Card free space: 6652MB total space: 7365MB Browser SD Card.. Format SD Card as fat32 Unplug SD Card

- Device ID is set by factory. Every ID is unique
- Network Connection status will display “LAN” when connected by wired cable and display “Wireless LAN” connected by wireless Router.
- SD status will remind if SD card inserted and display the free capacity. Click “Browse” to view the contents in SD card and, “Format SD Card as fat32” to format SD Card and, “Unplug SD Card” to stop the work of SD Card.

The device supports max 32G SD card. Please format the SD card to FAT32 before use the card on Camera. Please check if the SD Card matches the camera or not before purchase the SD Card.

7 FAQ

1. Forget password

Solution: Ask us for the software for resetting the username and password of the IP camera.

2. NO video Image displayed in IE browser

Possible reason: ActiveX not installed

Solution: ActiveX must be installed when visiting IP camera for the first time via internet Explore.

How to install: Visit IP camera, click [Download Address], file download dialog will pop up, select [Run] or [Save] to download. After download finishes, installation interface will pop up, click "install", the installation of ActiveX will start automatically, "Register OCX success" dialog box will pop up to remind the completion of installation process.

3. Fail to visit IP camera via IE browser

Possible Reason 1: Network is disconnected.

Solution: Connect your PC to network, checking whether it works properly or not. Check whether there is cable failure or network failure caused by PC virus, until PCs can be connected with the command of ping.

Possible reason 2: IP Address has been occupied by other devices

Solution: Stop the connection between IP camera and Network, hook up IP camera to PC

separately, reset IP address according to the proper operations recommended.

Possible reason 3: IP addresses are in different subnets.

Solution: Check IP address, subnet masking address of the DVS and the settings of Gateway.

Possible reason 4: Physical address of network conflict with IP camera

Solution: modify the physical address of IP camera.

Possible Reason 5: Web port has been modified

Solution: Contact Network Administrator to obtain related information.

4. There is no sound while monitoring

Possible Reason: No audio input connection

Solution: Check audio connection of the host

Possible Reason 2: the audio option of IP camera is off

Solution: Check audio parameter settings to see if you have opened the audio.

5. Fail to visit IP camera via IE after upgrade

Solution: Delete the caching of Browser.

Steps: Open IE—click "Tools"—select "Internet Options"—click "delete files" button in "Internet temporary files", select "delete all offline contents", then click "OK"

and re-log in IP camera.

Thank you for using the network cameras, as a result of each type of the difference between the system software upgrade or cause appearance or function and this manual different, please feel free to contact with the manufacturer. For these changes I'm sorry we can not inform you.



END