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1: Outline of how to use

Follow the below instructions to get the camera started after it has been mounted properly. When the IP camera is powered on, it will rotate a round by itself and stop at the center.

- 1) Connect IP Camera to LAN (refer to 2.1 for details)
- 2) Install the software of the IP Camera (refer to 2.2 for details)
- 3) Start the IP Camera “Search Tool” to set the basic configuration. Make sure the subnet mask of the Camera’s IP address is the same as LAN’s (refer to 2.3 for details)
- 4) Set the safety property of IE of your PC before viewing it at the first time. (refer to 2.4 for details)
- 5) Camera login (refer to 2.5 for details)
- 6) Setting your IP camera (Setting wireless, DDNS, Email, FTP, etc) (refer to 2.6 for details)

2: How to setup each step

2.1: Connect your IP Camera to the network.

First Use Network cable connect IP Camera to LAN.



Figure 2.1

2.2: Install the following software before view video.

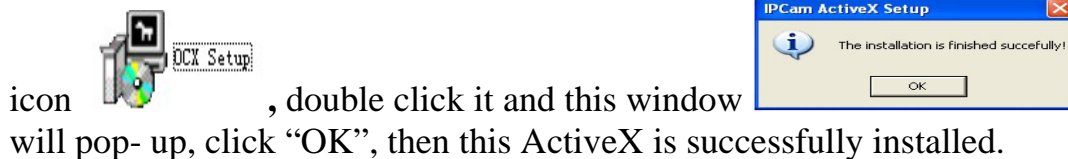
The Data in the CD






Figure 2.2

(1): Install OCX Setup


Insert the attached CD-ROM into the CD-ROM driver, find the below



(2): Install Search tool Setup

After OCX setup is finished, find the following icon  in your CD-ROM, double click it, and this window  will pop-up, click “NEXT”, you will see the following window  , input your desired user name and the name of the company you work for, then click “NEXT”, until it finishes. By now, IP Finder is successfully installed.

2.3: Basic configuration setting.

After you finished installation of OCX and Search Tool software, you will find the  icon on your computer desktop (if not, find it in “all programs” and send a shortcut to your desktop). Double click it, and then pops up the following window

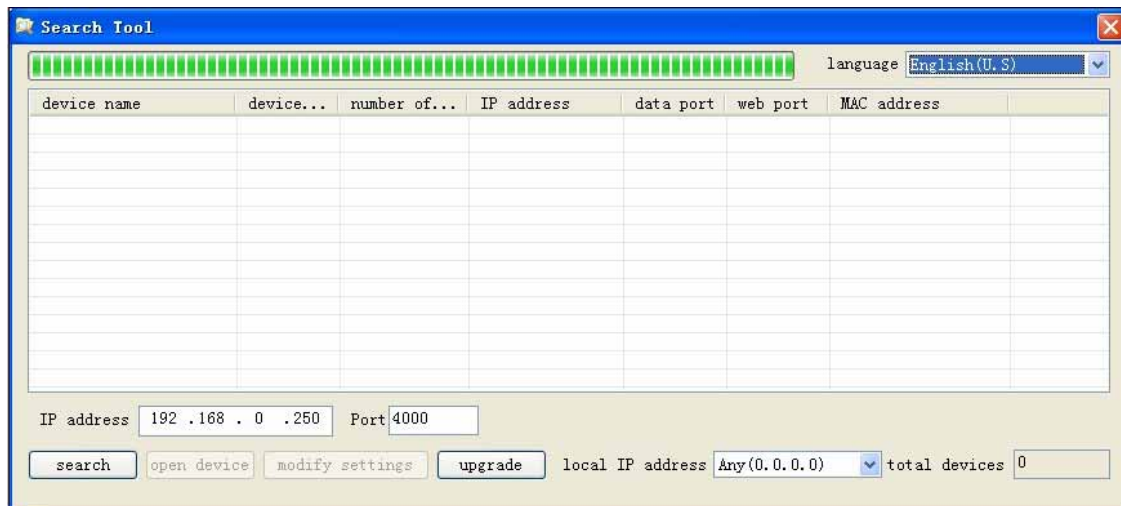
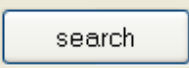


Figure3.1

Click  button, information of all IPCAM devices within your LAN(Local Area Network) will be showed in the table(as below), including device name, IP address, web port, etc. (if not, please check whether Power & LAN work normally).

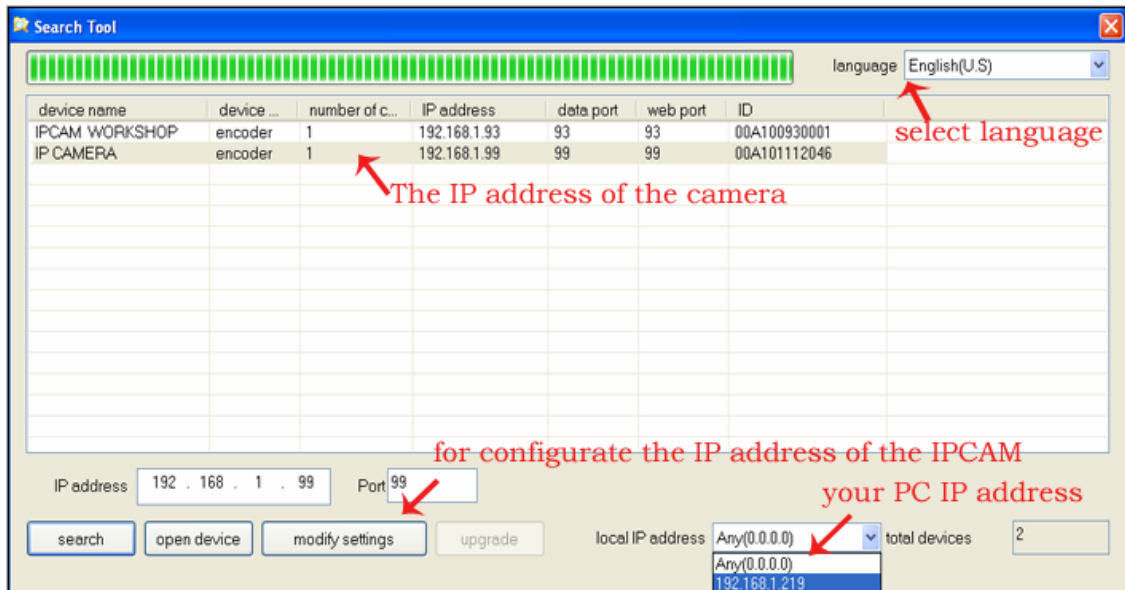


Figure 2.3

Notice :Before you open device Please make sure device IP address in the same subnet wit PC IP address(you can find you PC IP address form [local IP address](#) [Click,here](#) If no the same,please configure the Network parameter by yourself.click [modify settings](#)

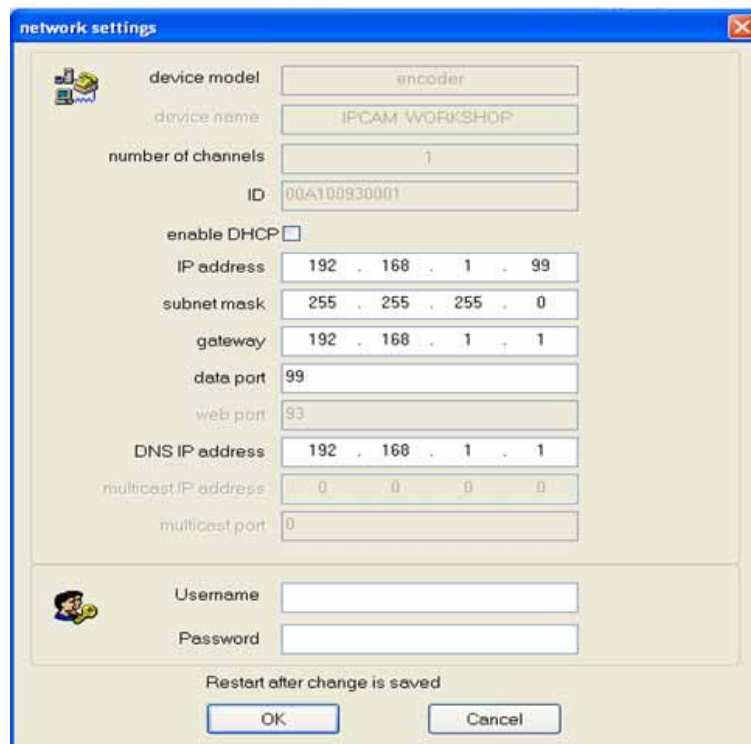


Figure 2.4

DHCP checkbox:if checked, the device will obtain IP from DHCP server (To be make sure the Router which the device connect with has DHCP function).

IP address: Fill in the IP address assigned and make sure it is in the same subnet as the gateway.(i.e. the first three sections are the same)

Mask: The default subnet mask of the equipment is: 255.255.255.0

Gateway: Make sure it is in the same subnet with PC IP address. Default Gateway address is 192.168.0.1

DNS: IP address of IPS network provider.

Port: LAN port assigned for the equipment, usually 80

User & Password : Default administrator username/password: admin/No password

Enable Using Dhcp the system will assign a reasonable IP address for your equipment only if your gateway supports DHCP (It is the case with most gateways).

NOTE: when the prompt"ubnet doesn't match,dbclick to change!"ppeared,please set the IP Camera IP address once again.

2.4 "No Image" Problem Solving

The video streaming is transmitted by the ActiveX controller. If ActiveX controller isn't installed correctly you will see no video image. There are two ways to resolve this problem:

1) Install "IP Camera Tool", ActiveX controller is installed simultaneously (recommendable) .

2) Download ActiveX controller and set the safety property of IE of your PC before you view it for the first time:

"IE" browser→ "Tool"→"Internet Proper"→"Security"→"Custom Level"→"ActiveX control and Plug-ins" three options of front should be set to be "Enable", The ActiveX programs read by the computer will be stored. as follows:

Enable: Download unsigned ActiveX controls

Enable: Initialize and script ActiveX controls not marked as safe

Enable: Run ActiveX controls and plug-ins



Figure 2.5

2.5: Camera Login

Camera Login

You can access the camera through **IP Camera Tool** or **IE** directly.

- 1) Double click the IP address of the IP Camera listed(Figure 2.3).IE will be opened automatically and display the camera login page.
- 2) Access the camera by IE browser directly, type in the camera's IP address.for example:

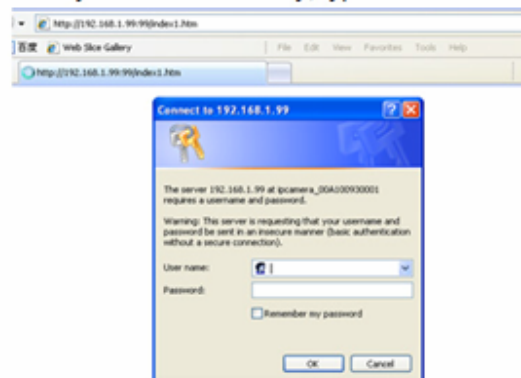


Figure 2.6

3) The Camera Login page pop-up.



Note:

1. Support ActiveX Browser Plug-ins(IE, GreenBrowser). Click on the first Login Button.
2. Other Browser(Firefox, Google). Click on the Second Login Button. Some features would be lost (Full screen, Audio, Multi-channel image).

Figure 2.7

4) IP camera control interface.

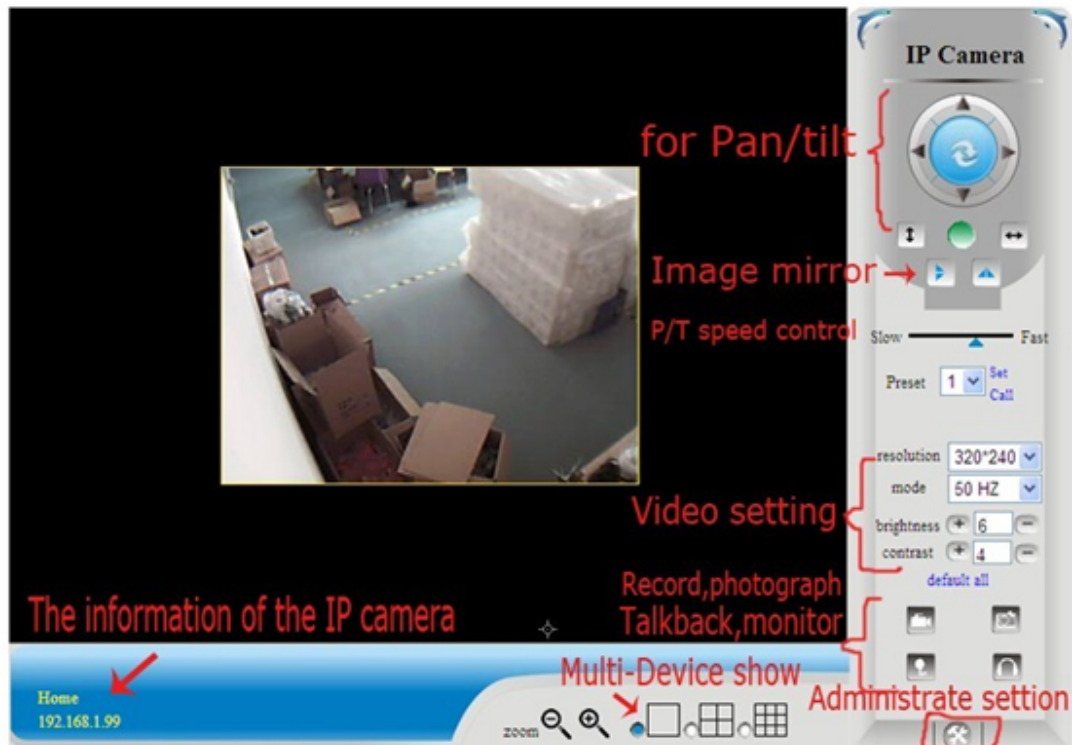


Figure 2.8

2.6: Setting wireless, DDNS, Email, FTP, Mutil_device

2.6.1 Setting Wi-Fi of IP Camera

- 1) To use the wireless functions of the IP Camera, a wireless router like Linksys is indispensable.
- 2) Enter the wireless router setup page (you could refer to the wireless router user manual). To Find out the data of **SSID, Channel, Security Way** (NONE, WEP), **Authentication Type, Encryption**.
- 3) Click **Wireless Lan Settings** of the IP camera to input data got from the wireless router then click **Submit** to reboot the device.

NOTE: The product supports WEP and WAP security encryption.
(As follows)

1: Wireless Lan Setting

1) manual control

Please enter the wireless net setting page of the wireless Router to find out SSID, Channel, Encryption, Authentication. The product supports WEP and WAP security encryption.

| Wireless Lan Settings | | |
|---------------------------|-------------------------------------|---------|
| Wireless Network List | <div>Scan</div> | |
| Using Wireless Lan | <input checked="" type="checkbox"/> | |
| SSID | admin | |
| Network Type | Infra | |
| Encryption | WEP | |
| Authentication | Open System | |
| Key Format | Hexadecimal Number | |
| Default TX Key | 1 | |
| Key 1 | xha88safe | 64 bits |
| Key 2 | | 64 bits |
| Key 3 | | 64 bits |
| Key 4 | | 64 bits |
| <div>Submit Refresh</div> | | |

Figure 2.9

2) Automatic

Please Click the button 'scan', Wireless Network showed in the Wireless Network list.
Then Select a wireless network.. wried the correct password.

| Wireless Network List | | |
|---------------------------|-------|--------------|
| xha99[d85d4c3485a2] | infra | WEP |
| TP-LINK[001d075254c] | infra | WPA/WPA2-PSK |
| XINHENGQIANG[1ca8785d9ce] | infra | WPA/WPA2-PSK |
| xha88[940c6d428774] | infra | WPA/WPA2-PSK |

Scan

Using Wireless Lan: ☒

SSID: xha99

Network Type: Infra

Encryption: WEP

Authentication: Open System

Key Format: Hexadecimal Number

Default TX Key: 1

Key 1: xha88safe 64 bits

Key 2: 64 bits

Key 3: 64 bits

Key 4: 64 bits

Submit Refresh

Alias Settings
 Date & Time Settings
 User Settings
 Multi-Device Settings
 Basic Network Settings
 Wireless Lan Settings
 ADSL Settings
 UPnP Settings
 DDNS Service Settings
 Mail Service Settings
 FTP Service Settings
 Alarm Service Settings
 PTZ Settings
 Decoder Settings
 Upgrade Device Firmware
 Backup & Restore Settings
 Restore Factory Settings
 Reboot Device
 Log
 Back

Figure 2.10

- 4) Wait at least 30 seconds to unplug the Ethernet cable, and then unplug the power supply.
- 5) Plug the power supply making sure that the Ethernet is not connected
- 6) After around 30 seconds, if the LED blinks, it indicates it is working in wifi mode
- 7) Camera login.

2.6.2 How to use DDNS

When use ADSL, the IP Camera will connect to the Internet through ADSL automatically. For each ADSL reconnection, ISP will re-assign a new IP address for the IP Camera to facilitate the access. DDNS (Dynamic Domain Name Server) can map the dynamic IP address of an IP Camera to a fixed domain name. Therefore, we can access to the IP Camera by the fixed domain name whether the IP address changes or not. The IP address is not necessary when you using the DDNS via the domain name to find your network.

- 1) Go to the website which Provides free domain name, register and apply a free domain name. Such as [http://www.dyndns.com/\(details:3.2\)](http://www.dyndns.com/(details:3.2)).
- 2) Login the Camera homepage as Administration and enter “**DDNS Service Settings**” page input the name, password and Host ([details: 3.1](#)). Then click <SUBMIT> and reboot Device.

- 3) Re-login the Camera homepage and enter “**Device Status**” page to check whether the **DDNS Status is DynDns Succeed** or not.
- 4) Enter “**UPnP Settings**” page, the **UPnP Status** should be **UPnP Succeed**. If the status is not **Succeed**, you may enter “**Basic Network Settings**” page to change Http Port . Then click <SUBMIT>and reboot Device.
- 5) Re-login the Camera homepage to check and make sure the **DDNS Status** and **UPnP Status** is **Succeed**.
- 6) You only need to enter the domain name (domain name + Port number <http://ipcame.kicksafe.net:99/>) in the IE address bar, the browser will visit the IP Camera.
Wait for several minutes and the IP Camera will dial up to access the Internet automatically, and the communication with the DDNS server is established successfully. In the way, the user can access the IP Camera from a WAN by using the DDNS domain name.
If the gateway settings and DDNS settings have been completed, enter the DDNS dynamic domain name (for example, <http://ipcasafe.vicp.net/>,do not add www.) in the address bar of the IE to access the IP Camera. If multiple IP Cameras are connected to the same router, enter DDNS dynamic domain + port number (for example, <http://ipcamerasales.dyndns.org:99/>)in the address bar of the IE to access different IP Cameras.

2.6.3 Multi-Device Settings

(1): Add cameras in LAN

In the **Multi-Device Settings** page, you can see all devices searched in LAN. The 1st Device is this device default. You can add more cameras list in LAN for monitoring. This Web software supports up to 9 IP Cameras online simultaneously. Click “**The 2ND Device**” and Double click the item in the “**Device List in Lan**”, Alias, host and Http Port will fill in automatically. Enter the correct username and password then click “add”. Add more cameras in the same way.

Figure 2.11

(2)Add cameras in the Internet

| Multi-Device Settings | |
|-----------------------|---|
| Device List in Lan | <div> IP CAMERA(192.168.1.99) IPCAM WORKSHOP (192.168.1.93) IPCAM(192.168.1.95) </div> <div>Refresh</div> |
| The 1st Device | This Device |
| The 2nd Device | None |
| Alias | IPCAM WORKSHOP |
| Host | 192.168.1.93 |
| Http Port | 93 |
| User | admin |
| Password | ••••• |
| | <div>Add Remove</div> |

Firstly, make sure the camera added can access in the Internet with the IP address or DDNS domain. like this:<http://202.96.133.114:9008> or <http://IPcameras.dyndns.org:9008> You can enter the Host: 202.96.133.134 port: 9008 or Host: IPcamera.dyndns.org port: 9008. Enter the correct username and password then click “add”. Add more cameras in the same way as shown in Figure 2.12

| Multi-Device Settings | | Device Info |
|-----------------------|---|--|
| Device List in Lan | <div> IP CAMERA(192.168.1.99) IPCAM WORKSHOP (192.168.1.93) IPCAM(192.168.1.95) </div> <div>Refresh</div> | Alias Settings Date&Time Settings Users Settings Multi-Device Settings Basic Network Settings Wireless Lan Settings ADSL Settings UPnP Settings DDNS Service Settings Mail Service Settings Ftp Service Settings Alarm Service Settings PTZ Settings Decoder Settings Upgrade Device Firmware Backup & Restore Settings |
| The 1st Device | This Device | |
| The 2nd Device | None | |
| Alias | ip camera | |
| Host | ip cameras.dyndns.org | |
| Http Port | 9008 | |
| User | admin | |
| Password | | |
| | <div>Add Remove</div> | |

Figure 2.12



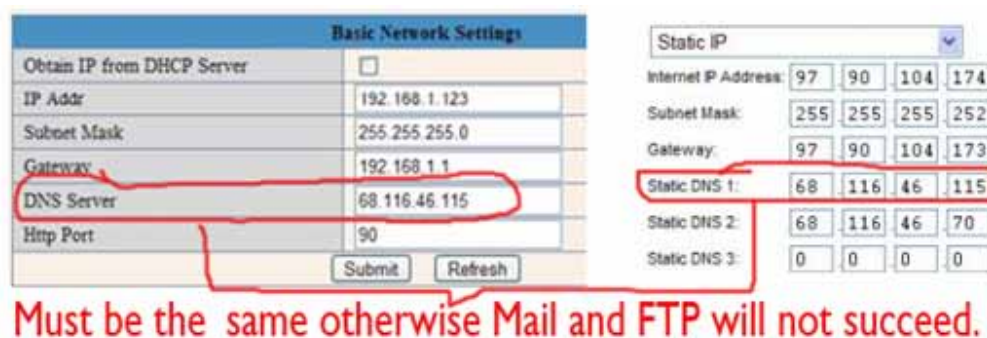
Figure 2.13

2.6.3 Email and FTP Settings

Before setting **Mail and FTP Service**. Make sure NNDS Service is **succeed**, and the IP Camera's DNS Server the same as the router's

| Device Status | |
|-------------------------------|--|
| Device ID | 00A100902018 |
| Device Firmware Version | 0.0.2.1 |
| Device Embeded Web UI Version | 0.0.0.1 |
| Alias | anonymous |
| Alarm Status | None |
| DDNS Status | DynDns Succeed http://secamericainn.dyndns.org:8085 |
| UPnP Status | No Action |
| P2P Status | No Action |
| Refresh | |

Figure 2.14



Basic Network Settings

| | |
|--|--------------------------|
| Obtain IP from DHCP Server | <input type="checkbox"/> |
| IP Addr | 192.168.1.123 |
| Subnet Mask | 255.255.255.0 |
| Gateway | 192.168.1.1 |
| DNS Server | 68.116.46.115 |
| Http Port | 90 |
| <input type="button" value="Submit"/> <input type="button" value="Refresh"/> | |

Static IP

| | | | | |
|----------------------|-----|-----|-----|-----|
| Internet IP Address: | 97 | 90 | 104 | 174 |
| Subnet Mask: | 255 | 255 | 255 | 252 |
| Gateway: | 97 | 90 | 104 | 173 |
| Static DNS 1: | 68 | 116 | 46 | 115 |
| Static DNS 2: | 68 | 116 | 46 | 70 |
| Static DNS 3: | 0 | 0 | 0 | 0 |

Must be the same otherwise Mail and FTP will not succeed.

Figure 2.15

Note: When Alarm Service Settings → Send Mail on Alarm is checked, the Mail Service takes effect.

Configure the E-mail box to receive and send mails. The E-mail box is used for receiving the images sent after alarm and the system IP address after successful dial-up.

Sender: This device uses the sender mailbox to send mails.

Receiver: To receive the mail from the Sender. You can set up to 4 receiver mailbox.

SMTP Server: the SMTP server for the sender mailbox

Need Authentication: if the sender mailbox need authentication, you should check it then input the SMTP username & Password.

Mail test: Please set the Mail parameter and click "Submit" first. There are Mail test result.

- 1 Can not connect to the server
- 2 Network Error. Please try later
- 3 Server Error
- 4 Incorrect user or password
- 5 The sender is denied by the server. Maybe the server need to authenticate the user, please check it and try again
- 6 The receiver is denied by the server. Maybe because of the anti-spam privacy of the server
- 7 The message is denied by the server. Maybe because of the anti-spam privacy of the server
- 8 The server does not support the authentication mode used by the device

Report Internet IP by Mail: When ip cam power on or Internet IP changed, it will send the internet IP by mail.(for example: IPCAM 's url is http://119.123.208.96:9002). Make sure the port is map to the router correctly by UPNP or Virtual Map function.



Figure 2.16

Settings the FTP Service.

Note: When **Alarm Service Settings** - > **Upload Image on Alarm** is checked, the FTP Service takes effect.

FTP Server: the FTP server address.

FTP port: the port usually is 21

FTP Mode: support standard(POST) mode and passive(PASV) mode.

Upload Image Now: it will upload image now when checkbox is not checked. When checked, you can input upload interval(Seconds) .

FTP test: set the FTP parameter and click "Submit" first. Then click "FTP test" if succeed, it will display the prompt "FTP test succeed".

There is FTP test result:

1 Can not connect to the server. Please check FTP Server is correct or not.

2 Network Error, Please try later.

3 Server Error.

4 Incorrect user or password. Please check the username and password is correct or not.

5 Can not access the folder. Please be sure the folder exists and your account is authorized

6 Error in PASV mode. Please be sure the server support PASV mode

7 Error in PORT mode. PASV mode should be selected if the device is behind a NAT

8 Can not upload file. Please be sure your account is authorized



Figure 2.17

3. DDNS Guide

3.1 DDNS Service Settings

DDNS Service: The system supports protocols from some DDNS providers: DynDNS.org.

User and Password: the user name and password used when applying for the domain name. (details: 2.6.2-1)

DDNS Host: the Domain Name

For example: Your registered DynDNS as below:

User name : kevinzhu Password : ddyns

DDNS Host (Dynamic DNS Host Name) : kevinsafe.dyndns.org

1): Input the DDNS information as Figure 3.1:

| DDNS Service Settings | |
|--|--|
| DDNS Service | DynDns.org(dyndns) ▼ |
| DDNS User | kevinzhu |
| DDNS Password | ***** |
| DDNS Host | kevinsafe.dyndns.org |
| DDNS or Proxy Server | |
| DDNS or Proxy Port | |
| Re-Update Ignoring All Errors | <input type="checkbox"/> never do this unless your hostname has been unblocked |
| proxy config is needed if the device is in China Mainland or HongKong | |
| <input type="button" value="Submit"/> <input type="button" value="Refresh"/> | |

Figure 3.1

2): Click “submit” The device will rebooted automatic. After rebooted you will back to the “Device Info” interface. Then you will see the DDNS Status is succeed.(Figure 3.2)

3): If you find the DDNS Status is not succeed please make sure you have done the “Port Forward” successfully.

4): If you are sure that the “Port Forward” is succeed but the DDNS Status is not succeed. Please click “[Restore Factory Settings](#)”.

| Device Status | |
|--|--|
| Device ID | 00A101201031 |
| Device Firmware Version | 0.0.2.1 |
| Device Embedded Web UI Version | 0.0.0.61 |
| Alias | IPCAM |
| Alarm Status | None |
| DDNS Status | DynDns Succeed http://kevinsafe.dyndns.org:99 |
| UPnP Status | No Action |
| P2P Status | No Action |
| <input type="button" value="Refresh"/> | |

[Device Info](#)
[Alias Settings](#)
[Date&Time Settings](#)
[Users Settings](#)
[Multi-Device Settings](#)
[Basic Network Settings](#)
[Wireless Lan Settings](#)
[ADSL Settings](#)
[UPnP Settings](#)
[DDNS Service Settings](#)
[Mail Service Settings](#)
[Ftp Service Settings](#)
[Alarm Service Settings](#)
[P2P Settings](#)

Figure 3.2

5): Input Dynamic Domain Name: <http://kevinsafe.dyndns.org:99> in your browser.

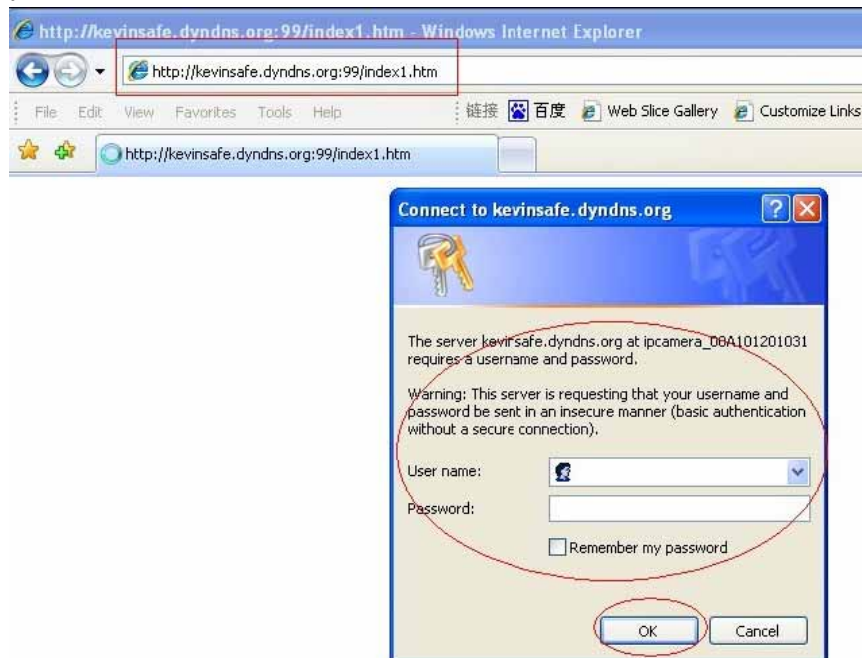


Figure 3.3

3.2: Procedures of DDNS register

Step1: enter <http://www.dyndns.com/> and Create Account

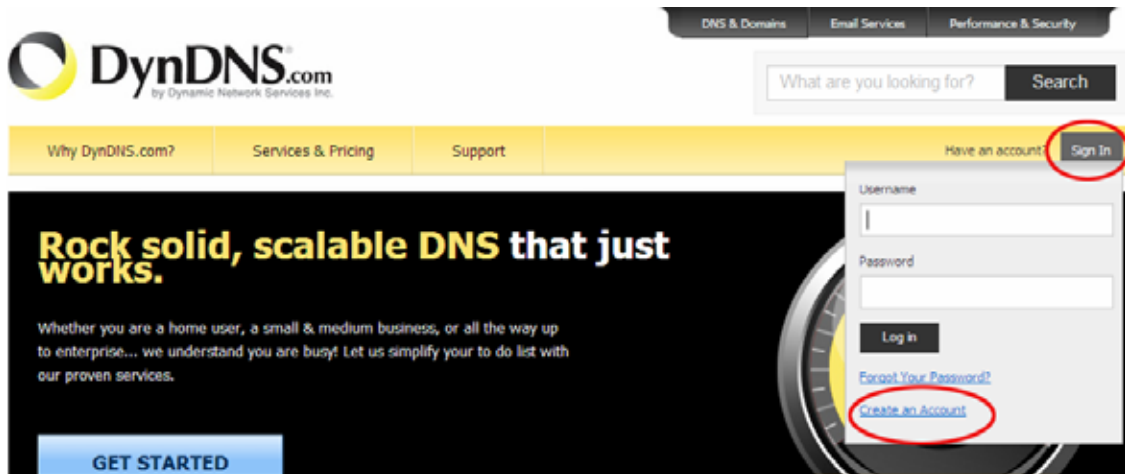


Figure 3.2

Step2: enter your information

The image shows the 'Create an account or log in to continue' form on DynDNS.com. The form has several sections: 'Username' (with a note: 'Username should start with letter and have 2-25 alphanumeric characters.'), 'Password', 'Confirm password', 'Email', 'Confirm Email', 'Security Image' (with a CAPTCHA image showing the numbers 7, 3, 4, 0, 4 and a text input field with '73404' entered), 'Subscribe to' (with checkboxes for 'DynDNS.com newsletter (1 or 2 per month)' and 'Dyn Inc. press releases'), and a checkbox for 'I agree with the acceptable use policy (AUP) and privacy policy.'. There is also an 'Already Registered?' section with fields for 'Username' and 'Password', a 'Log in' button, and a 'Forgot your password?' link. A 'TRUSTe CERTIFIED PRIVACY' logo is visible on the right. The 'Create Account' button at the bottom is circled in red.

Figure 3.3

Step3: After a minute, you will receive a E-mail from DynDNS Support and it will give you a confirmation address

(e.g. <https://www.dyndns.com/confirm/create/ONMzltCBk6mcHJI5MhVD0g>)

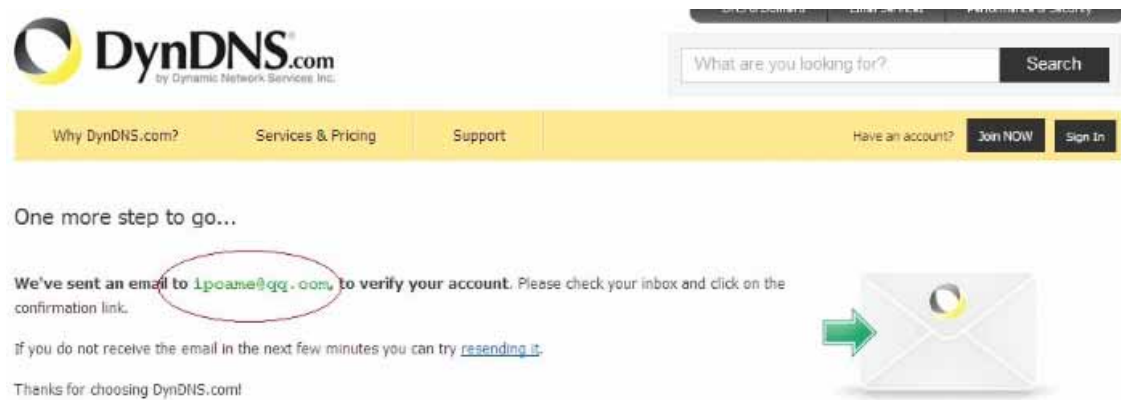


Figure 3.4

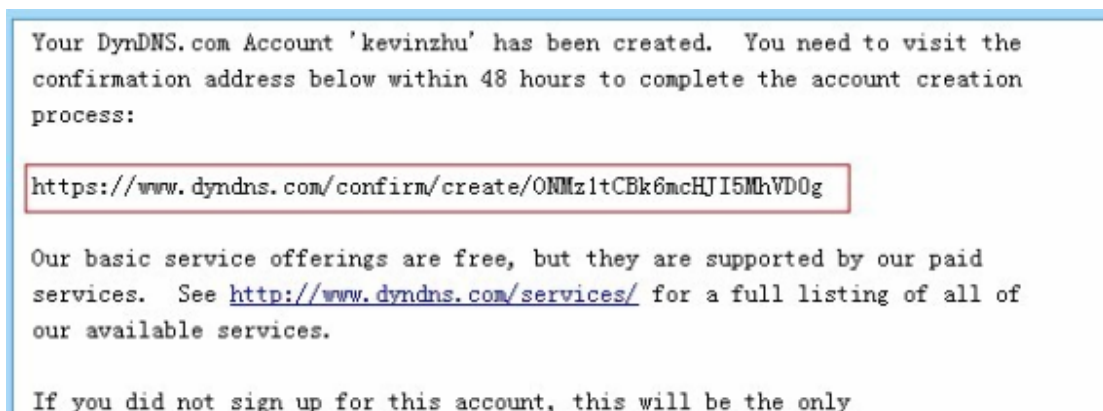


Figure 3.5

Step4: When the Account Confirmed, login and start using your account. Choose Add Host Services(Figure 3.6) and enter Add New Hostname (Figure 3.7)page.



Figure 3.6

The screenshot shows the 'Add New Hostname' form with the following fields and annotations:

- Hostname:** The text 'kevinsafe' is entered in the input field, which is highlighted with a red box. A dropdown menu shows 'dyndns.org'. A red error message below states: 'Please enter valid hostname label to add new hostname (2-24 characters)'.
- Wildcard:** A checkbox is unchecked. Text below reads: 'create "*.host.dyndns-yourdomain.com" alias (for example to use same settings for www.host.dyndns-yourdomain.com)'.
- Service Type:** Three radio buttons are present: 'Host with IP address' (selected and circled in red), 'WebHop Redirect (URL forwarding service)', and 'Offline Hostname'.
- IP Address:** The text '116.30.138.72' is entered in the input field, which is highlighted with a red box. A blue link below states: 'Your current location's IP address is 116.30.138.72'. Below this, it says 'TTL value is 60 seconds. [Edit TTL...](#)'.
- Mail Routing:** A checkbox is unchecked. A red arrow points to it with the text 'No need to choose'. The text below the checkbox reads: 'I have mail server with another name and would like to add MX hostname...'.

Figure 3.7

Step5: On the **Add New Hostname** page.

- 1) input your Hostname.
- 2) choose **Host with IP address**
- 3) click [Use auto detected IP address xxx.xx.xx.xxx](#). Then click Create Host.
- 4) after you have added a New Hostname , you need "Proceed to checkout"

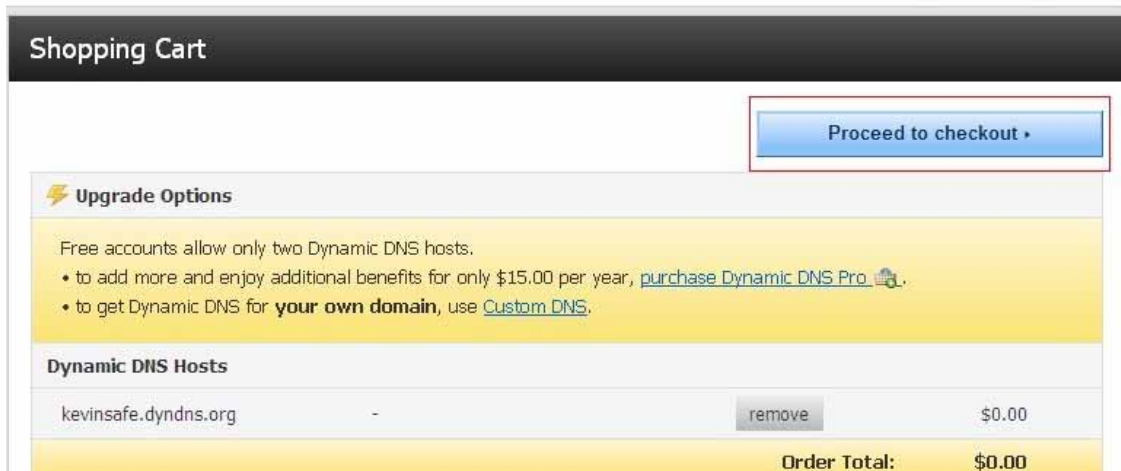


Figure 3.8

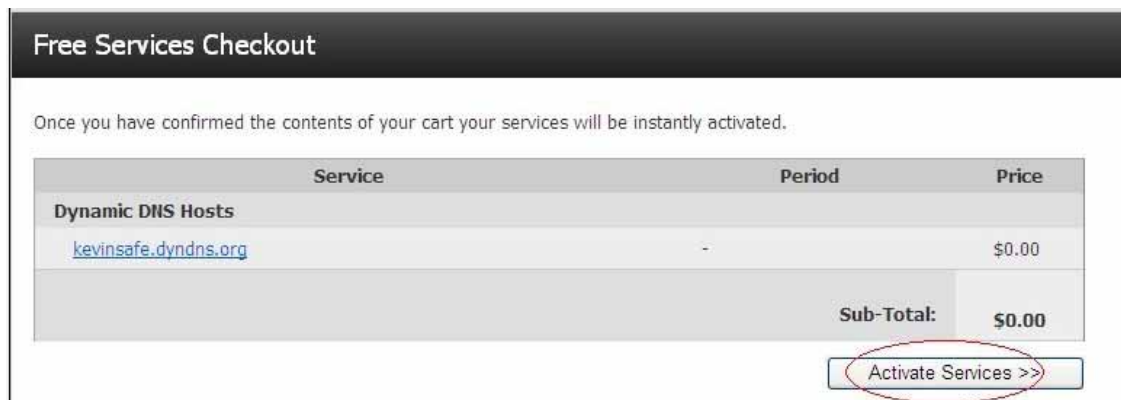


Figure 3.9




Figure 3.10

Step6: Now you obtained a Dynamic Domain Name(Figure3.10),and can use it in the DDNS Service Settings(details: 3.1)

Notice:

If you have a dynamic IP address, Make sure you have download the DynDNS's "Update Client". And installed it succeed in your computer.

**DynDNS.com**
by Dynamic Network Services Inc.

DNS & Domains

Email Services

Performance & Security

Search

Why DynDNS.com?

Services & Pricing

Support

Welcome **kevinzhu** (FREE)

My Account

My Cart

Log Out

Support

Site Help

Account Help

Glossary

Update Abuse Policy

Update Clients

Service Level Agreement

Support

Have a dynamic IP address? Make sure you download our update client:


FAQs

Tutorials

Tools

Contact

Popular Topics



[Download Now](#)
DynDNS® Updater (4.1.6)
For Windows 2000 or later