



Quick Installation Guide

2.0 Megapixel WiFi Waterproof IR IP Camera

Model: **H218W/H218**



Wired Version: H218

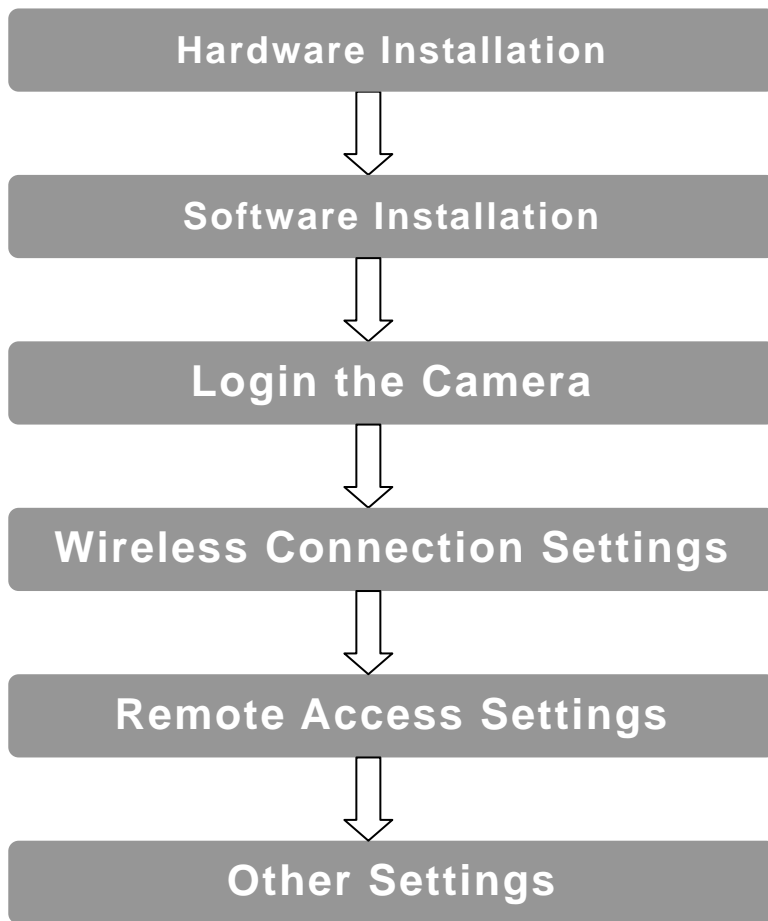


Wireless Version: H218W

Package Contents

- IR IP Camera 2.0 Megapixel
- Power Adapter 12V-3A
- Network Cable
- WiFi Antenna (Wireless Version H218W)
- CD-ROM with Setup Software and User Guide
- Quick Installation Guide

Quick Installation Diagram



Start Installation

1) Hardware Installation

① Step 1, Mount WiFi Antenna

Take out the camera out of the box carefully and put it on a table steadily, then take the WiFi antenna, mount it on the SMA connector on the back of the camera, and screw the antenna to the bottom, then make the antenna stand vertically.

② Step 2, Get the camera powered

Connect the included two parts of the power supply first, and then connect the end of DC connector to the camera's power socket, and plug the other end of power supply to an electrical outlet.

③ Step 3, Get the camera connected to the router


Use the network cable provided to connect the camera to the router or the switch in the LAN network at your home or your office.

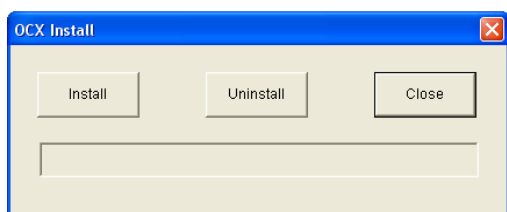
Note

The wireless IP Camera could be connected to the wireless router by wireless connection, **but you have to do the wireless connection settings by wired connection before you use wireless connection method.**

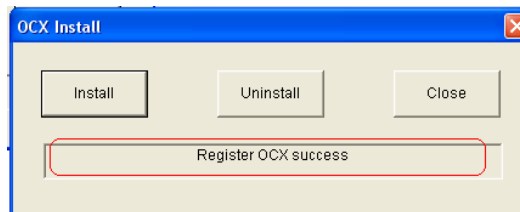
2) Software Installation

A. Insert the Setup CD-ROM into your CD-ROM driver and open it. Close the IE browser first before you install the setup software.

B. Install IE ActiveX, goes to the icon  , left double click the mouse to install, it pops up a dialogue as below, click button “install”, when it shows “Register OCX success”, then close the window.

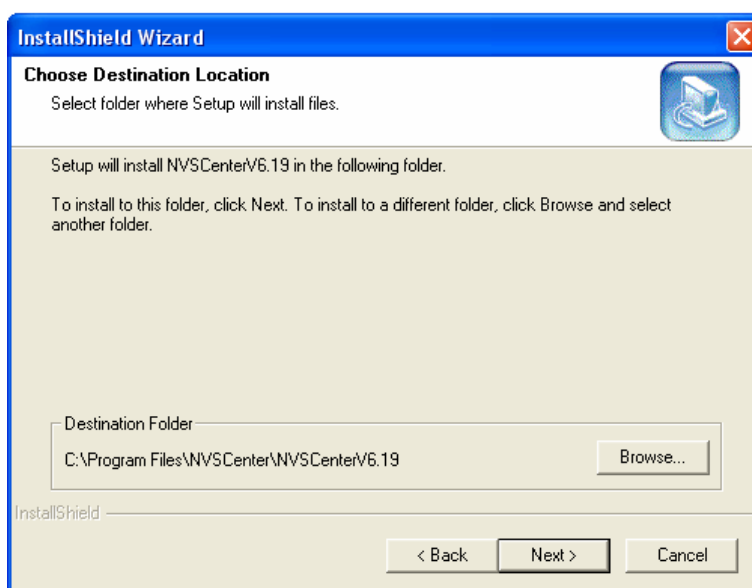


Click button “install”



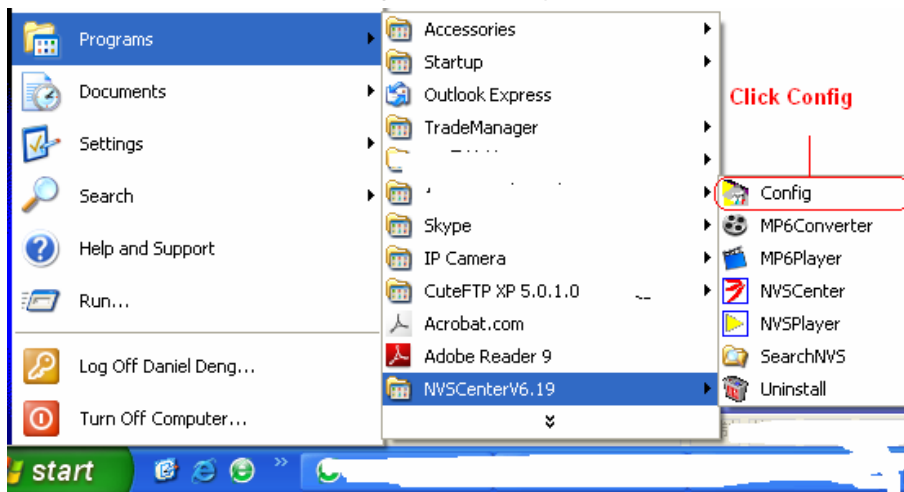
Close the window when finished

C. Install NVSCenterV6.19, goes to the icon  , left double click the mouse to install,



Click “next” to finish the installation of the setup software NVS Center

D. Language configuration, after installation of the software NVS Center, goes to the menu “Start” of your computer and click, then goes to “Programs” → “NVSCenterV6.19” → “Config”



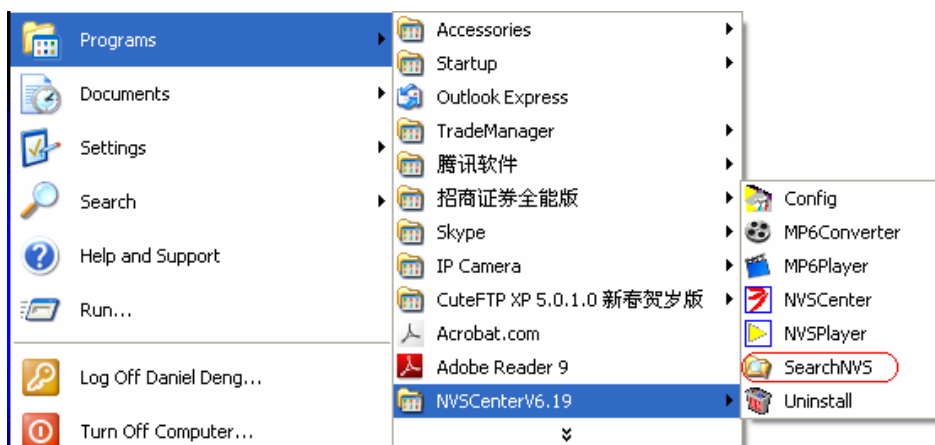
Then it pops up a dialogue for language selection, It supports five languages for the moment, Chinese, English, Russian, Italian, French. **Please select the second one which is English.** Close the window when finished



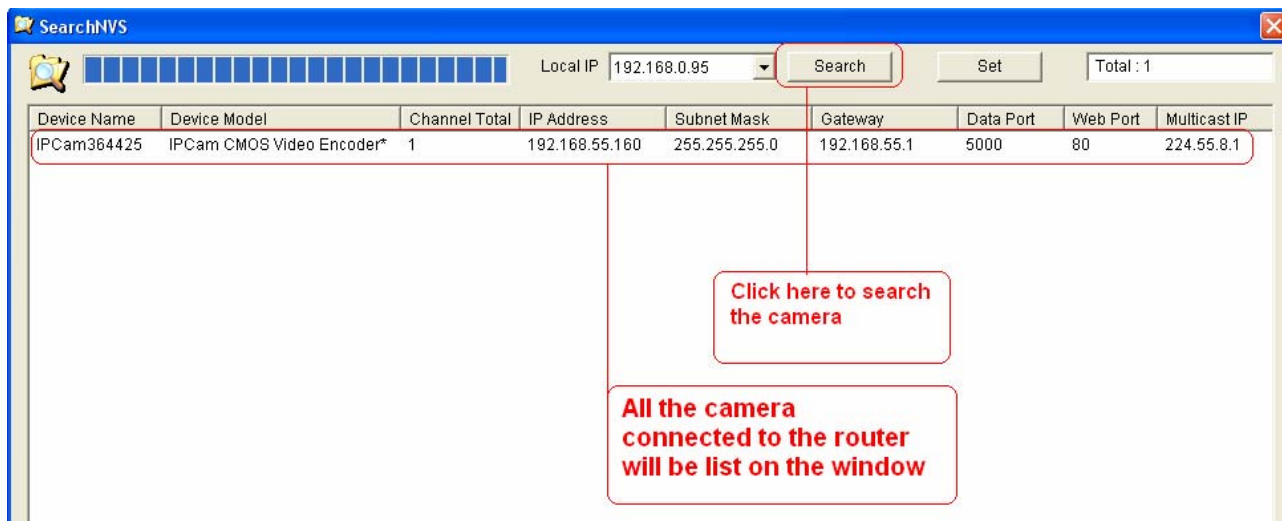
3) Login the Camera

① Step 1, Open Search tools to search the camera within LAN

Goes to the menu “Start”, and click, then goes to “Programs” → “NVSCenterV6.19” → “SearchNVS”.



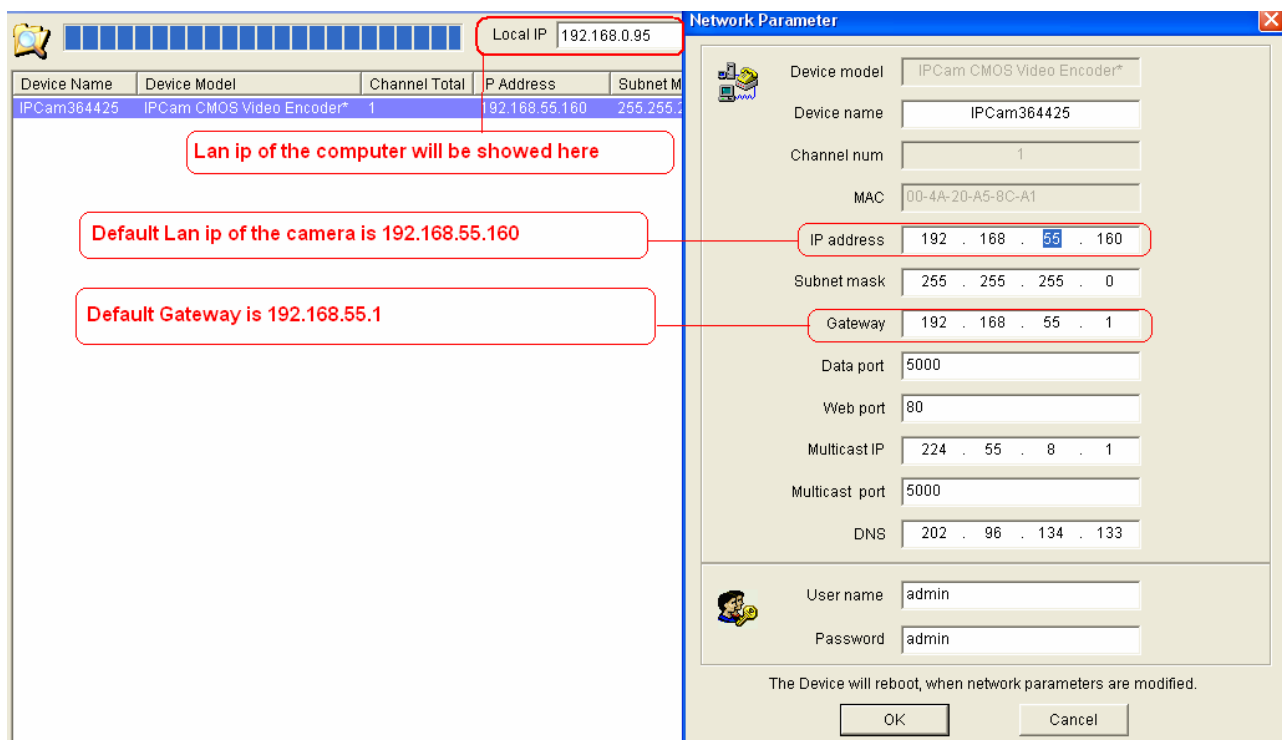
After that, I pops up a window as below, just click the 'search' button to find the cameras which is connected to the router. The camera connected to the router will be listed.



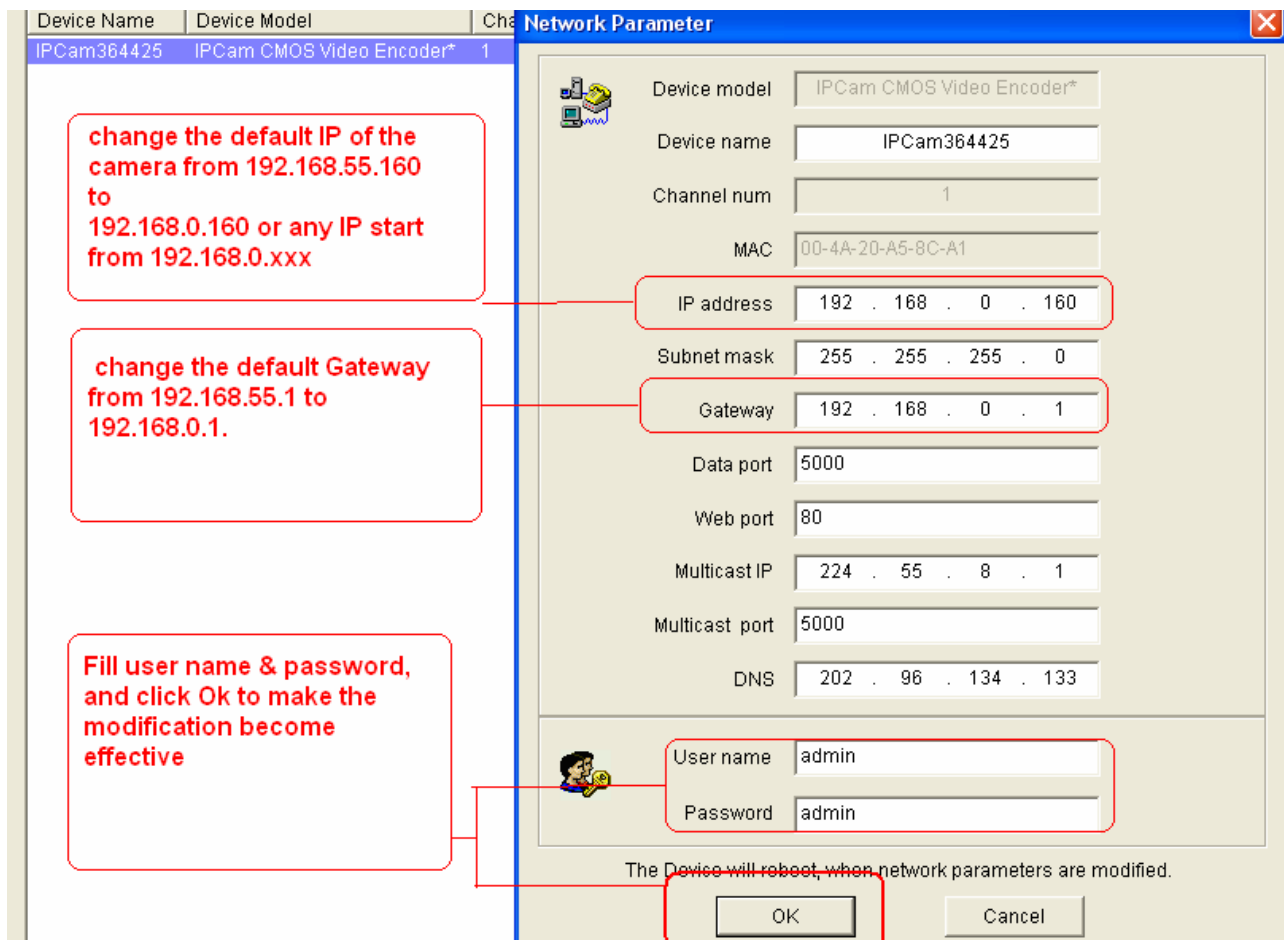
② Step 2, Change the default IP address of the camera to the same IP range with local IP of the computer.

You have to change the default IP address of the camera to a new one, which should start from the same IP range like 192.168.0.xxx, if your LAN network starts from 192.168.0.xxx.

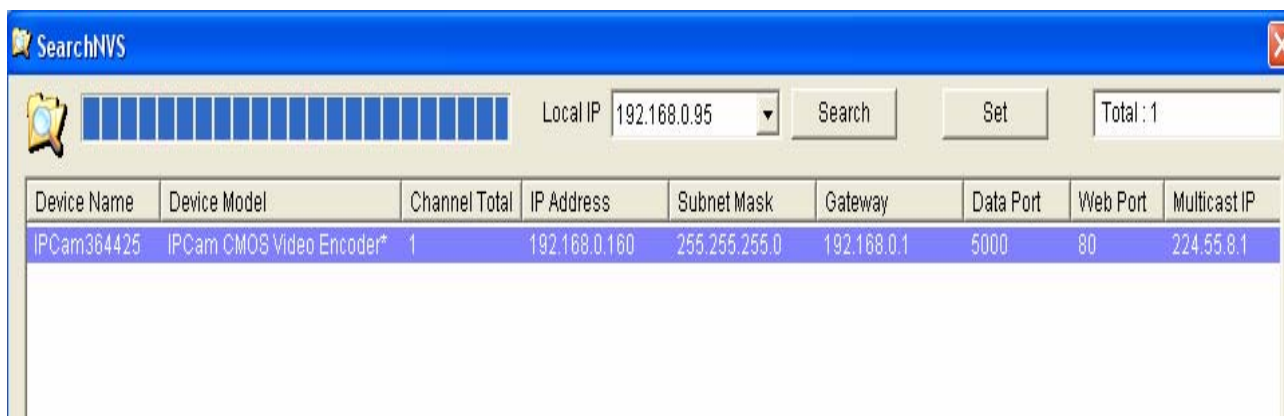
Firstly, select the Camera list on the window, and left double click the mouse, then pops up a Network Parameter window as below. And check the IP range of your computer. For example, if the computer's Local IP is 192.168.0.95, so you need to change the default IP of the camera **from 192.168.55.160 to 192.168.0.160 or any IP start from 192.168.0.xxx**.And change the default Gateway **from 192.168.55.1 to 192.168.0.1**.



Secondly, After checking the local IP range of the PC starts from 192.168.0.xxx, then change the default IP of the camera from 192.168.55.160 to 192.168.0.160 or any IP start from 192.168.0.xxx. And change the default Gateway from 192.168.55.1 to 192.168.0.1. Fill the user name & password and click “OK”, and the camera will reboot to take all the modification effect. (The default user name & password of the camera are both admin.)

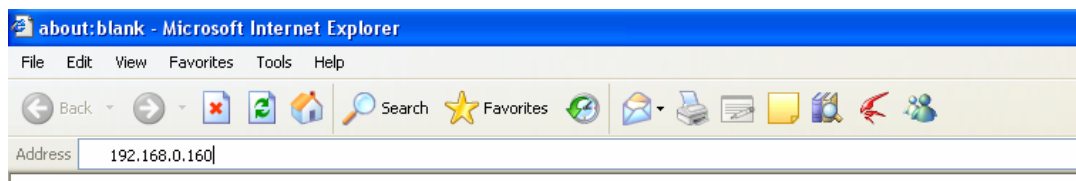


Thirdly, After the camera being rebooted, then search the camera, the new IP 192.168.0.160 will be listed on the window as below.

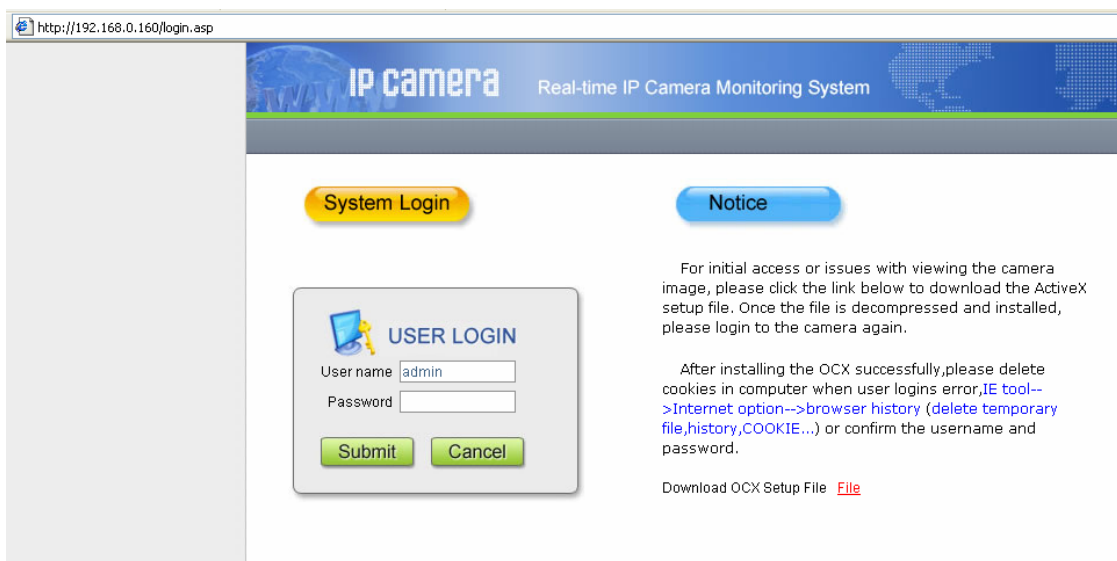


③ Step 3, Access the camera by entering the modified IP of the camera on the IE browser.

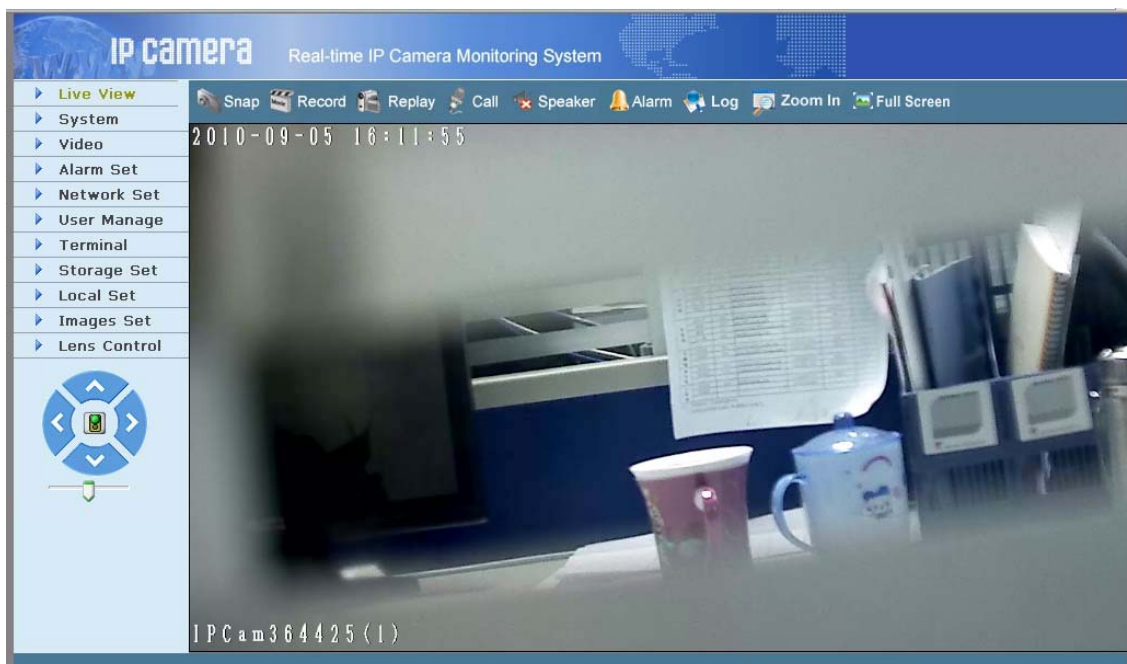
Open IE browser (IE6, IE7, IE8 all ok), entering the modified LAN IP of the camera on the address bar.



And press “Enter”, it leads to the login window of the camera, enter password **admin** to access the camera.



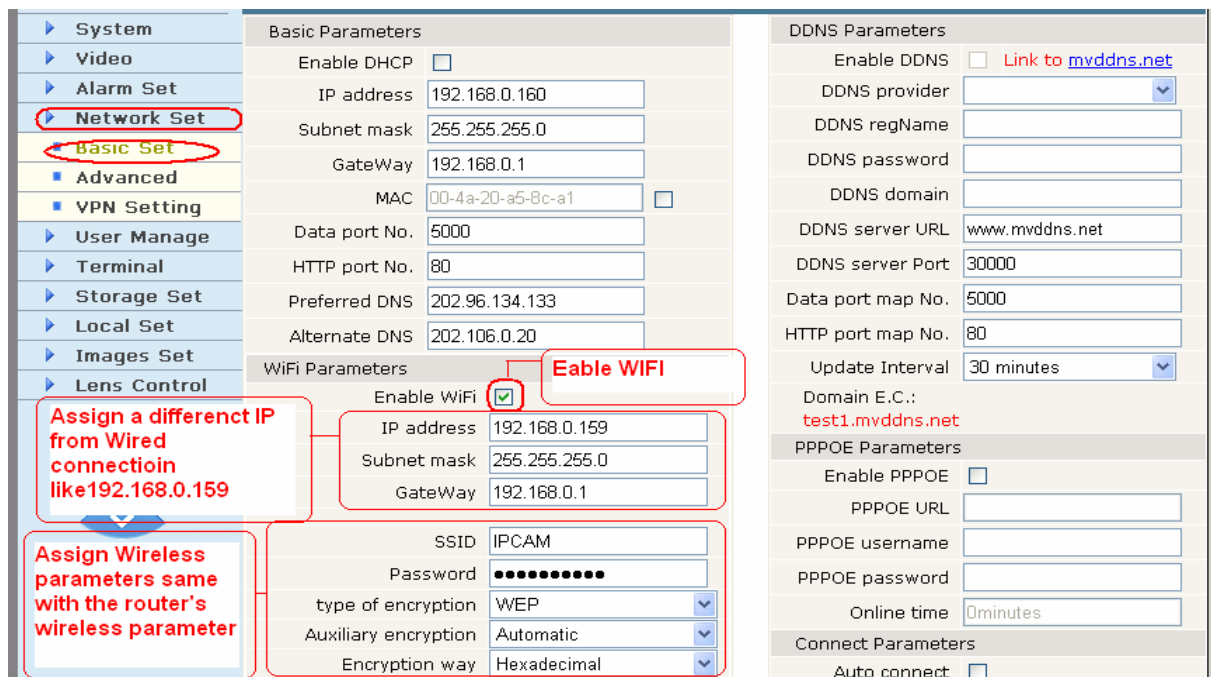
Congratulations, you have accessed to the live video of the camera successfully



4) Wireless Connection Settings

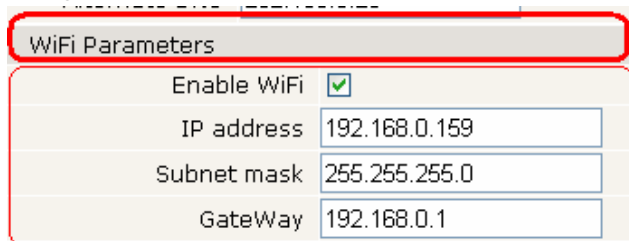
① Step 1, Enable WiFi function

Goes to the option “Network Set” and click, then goes to “Basic Set” and click, then enable WiFi option on the column of WiFi Parameters.

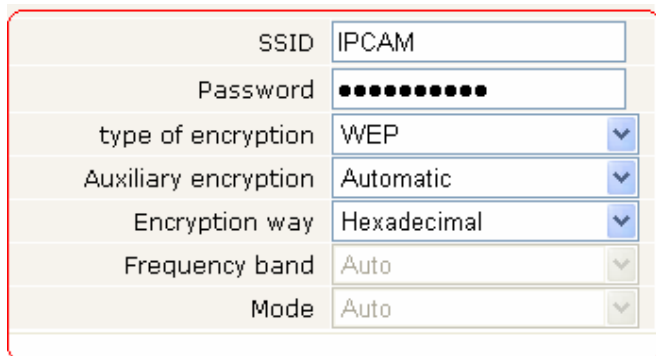


② Step 2, Set Wireless Parameters

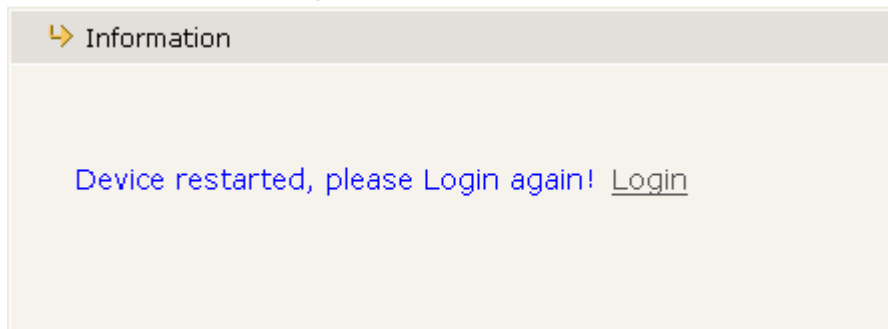
Assign a different IP from the IP of wired connection, like 192.168.0.159. Gateway 192.168.0.1



Get to know the password and encryption method of the wireless router before entering wireless parameters within the camera. For example: the encryption method of the router is WEP, and Authentication Type is Hexadecimal, SSID is IPCAM, Password is ABCDEF1234, So then fill the parameters as below. And click “Save”. The camera will restarted to make the settings effect.



When the wireless settings are finished, the camera will be restarted.



Note Please unplug the network cable of the camera once the camera gets restarted.

③ Step3, Access the Camera by Wireless Connection

After the camera being restarted, then search the camera, the new WiFi LAN IP 192.168.0.159 will be listed on the window as below. It shows that the wireless connection settings are successful.

Device Name	Device Model	Channel Total	IP Address	Subnet Mask	Gateway	Data Port	Web Port	Multicast IP
IPCam364425	IPCam CMOS Video Encoder*	1	192.168.0.159	255.255.255.0	192.168.0.1	5000	80	224.55.8.1

Enter the WiFi LAN IP 192.168.0.159 on the IE bar to access the camera by Wireless connection.

4) Remote Access Settings

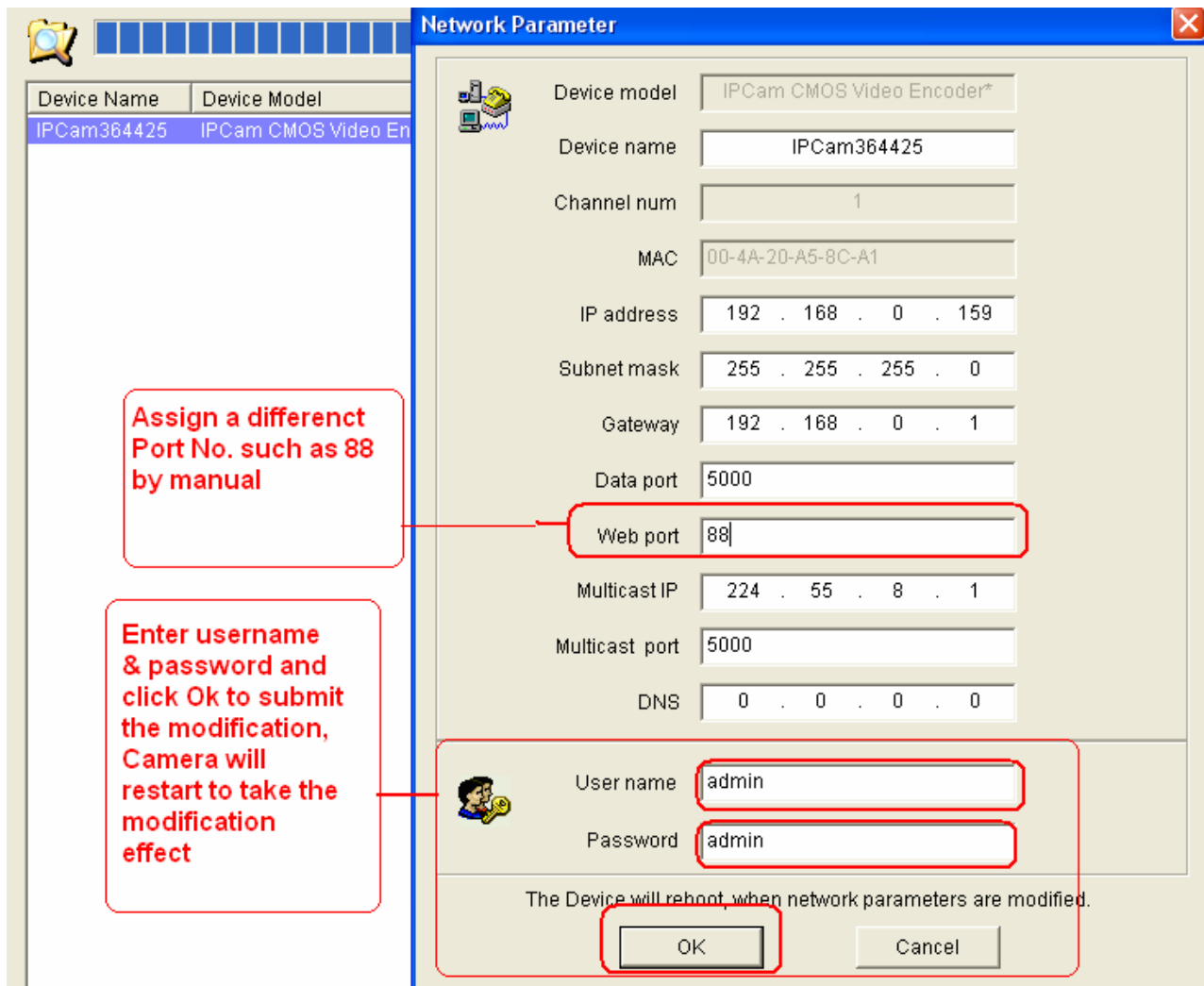
We have been able to access the camera within the LAN network, but how to access the camera via WAN or via internet? **We have to do Remote Access Settings before we want to access the camera outside the LAN network.**

Note There are two kinds of port No. we need to know clearly before doing remote access settings. One is **Date Port No.** the other one is **HTTP Port No.**. **The default Date Port no. of the camera is 5000 and the default HTTP Port No. is 80. Show as below.**

Basic Parameters	DDNS Parameters
Enable DHCP <input type="checkbox"/>	Enable DDNS <input checked="" type="checkbox"/> Link to dyndns.org
IP address 192.168.0.160	DDNS provider dyndns.org
Subnet mask 255.255.255.0	DDNS regName dericam
GateWay 192.168.0.1	DDNS password
MAC 00-4a-20-a5-8c-a1 <input type="checkbox"/>	DDNS domain dericam.dyndns.org
Data port No. 5000	DDNS server URL dericam.dyndns.org
HTTP port No. 80	DDNS server Port 30000
Preferred DNS 202.96.134.133	Data port map No. 5000
Alternate DNS 202.106.0.20	HTTP port map No. 88
WiFi Parameters	Update Interval 30 minutes
Enable WiFi <input checked="" type="checkbox"/>	Domain E.C.:

Default HTTP No.: 80

All the cameras' default http no. is 80. For example, if the LAN IP link of the camera is <http://192.168.0.159>, it shows that the camera's http port no. is 80, if the LAN IP link of the camera is <http://192.168.0.159:88>, it shows that the camera's http port no. is 88. We can assign the camera a different HTTP Port No. by the tool **SearchNVS**.



Date port no.: 5000

Note

All the default data no. is 5000, please just leave it alone, do not make any change of the data port no.

Start Remote Access Settings

First of all, please make sure whether your ISP (Internet Service Provider) provides a Static WAN IP address service or a Dynamic WAN IP address service.

Here we divide two section of procedure of Remote Access Settings by Static WAN IP address and Dynamic WAN IP address. If your ISP provides you with **Static WAN IP address** please refer to **Section A**, if your ISP provides **Dynamic WAN IP address**, please skip Section A, goes to **Section B** directly.

Section A: Remote Access Settings of Static WAN IP

① Step 1, Get to know the WAN IP address of the router

Login the third part website <http://www.whatismyip.com> to obtain the WAN IP of the router. Then it will tell you the WAN IP address of your router showed as below. It shows the WAN IP is **183.37.19.183**



② Step 2, Make Port Forwarding of the HTTP Port & Data Port of the camera

Take example, the camera's wireless LAN IP address is <http://192.168.0.159>. There is two port forwarding we have to do. One is HTTP Port No. **80**, the other is Data port no. **5000**.

How to do port forwarding for the camera's port no?

Firstly, login the router, goes to the menu of **Port Forwarding** or **Port Trigger** (or named **Virtue Server** on some brands of router).

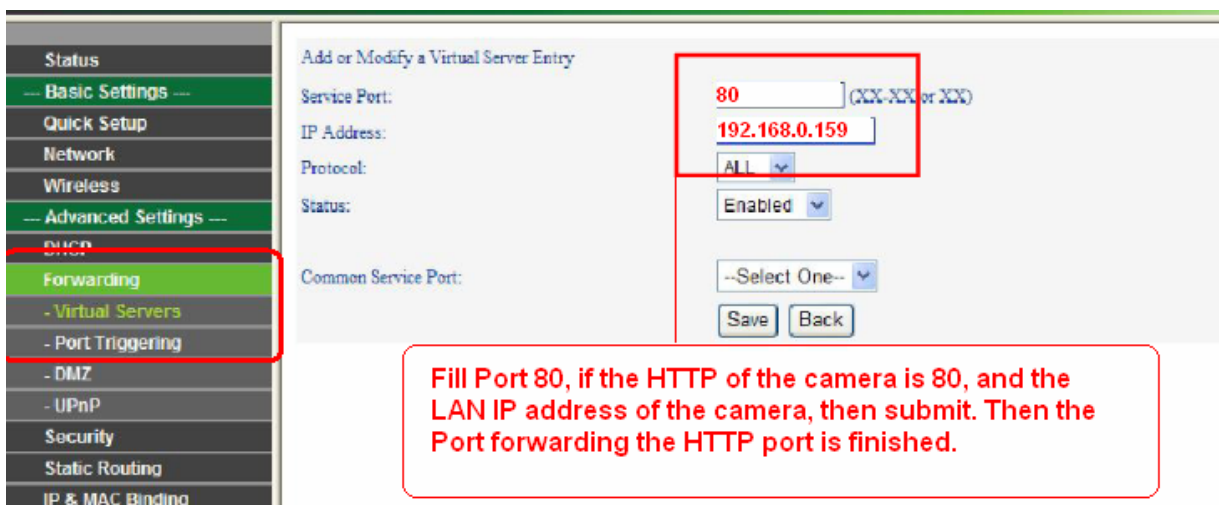
Secondly, create a new column with LAN IP address & HTTP Port No. of the camera within the router.

Take TP-link brand router as an example showed as below

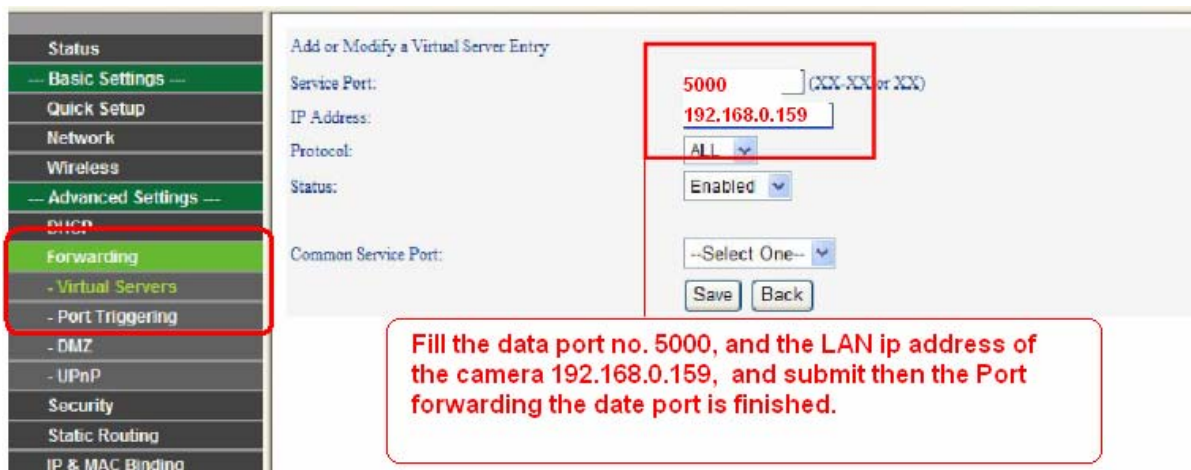
Add new column of Port Forwarding or Virtual Server



Create Port Forwarding of the HTTP Port of the camera



Create Port Forwarding of the Data Port 5000 of the camera



③ Step 3, use WAN IP address to access the camera via internet

After the port forwarding is finished, you can use the **WAN IP address + HTTP Port** to access the camera via internet. Take 183.37.19.183 for example, the accessing link of the camera via internet would be <http://183.37.19.183:80>

Section B: Remote Access Settings of Dynamic WAN IP

① Step 1, Go to the website www.dyndns.com to apply a hostname

Login on www.dyndns.com and click 'get a free domain service', and click Sign up free.

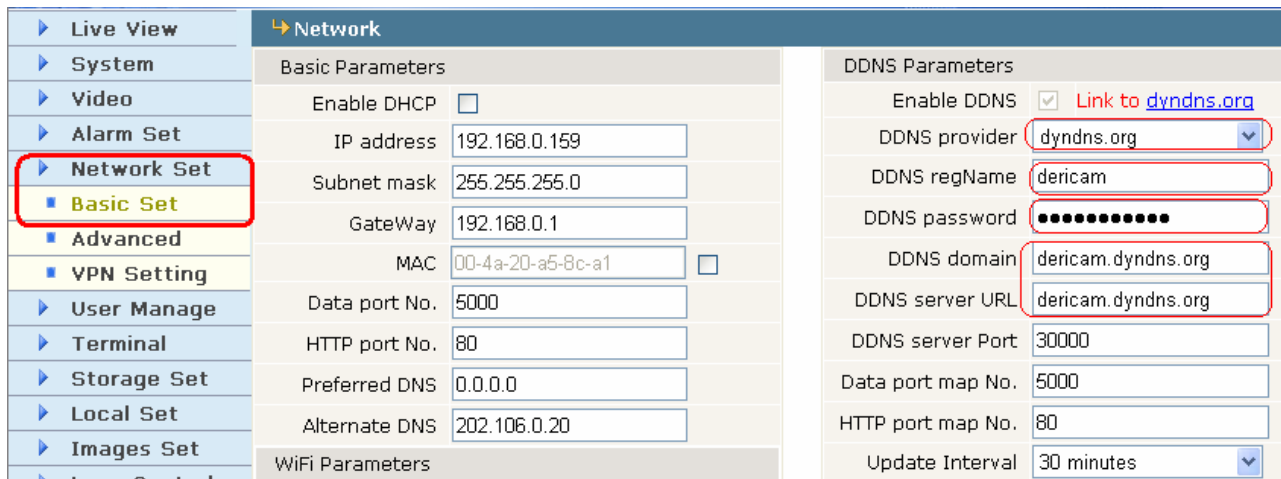


Get a free domain name and join 3,500,000 happy DynDNS users

Most Popular	DynDNS Pro	DynDNS Custom
DynDNS Free	DynDNS Pro	DynDNS Custom
FREE	\$15/yr	\$29^{.95}/yr
Get a free domain name	Up to 30 Pro domain names	DNS hosting for yourdomain.
Update monthly to avoid expiration	Never expires, just works	Branded URL-shortening with W
Use with Windows, OSX, routers & more	...also works with TSIG clients	...also works with Apple AirPort &
Free email and community support	Access to phone technical support	Access to phone technical sup
Sign Up	Sign Up	Sign Up

Create a **hostname**, a **user name** and **password** which are used to DDNS settings within the camera. (Please apply the account step by step according to instructions on www.dyndns.com)

Take **hostname** dericam.dyndns.org, **user name** [dericam](#), and **password** [dericam2010](#) for example. Select Dyndns.org as a server showed as below, and fill dericam as DDNS regName, fill password dericam2010 as DDNS password, fill dericam.dyndns.org as DDNS domain and server URL, Then click save to make effect. The camera will restart and to take the DDNS settings effective.



② Step 2, Make Port Forwarding of the HTTP Port & Data Port of the camera

Take example, the camera's wireless LAN IP address is <http://192.168.0.159>. There is two port forwarding we have to do. One is HTTP Port No. **80**, the other is Data port no. **5000**.

How to do port forwarding for the camera's port no? (Please refer to Section A)

Firstly, login the router, goes to the menu of **Port Forwarding** or **Port Trigger** (or named **Virtue Server** on some brands of router).

Secondly, create a new column with LAN IP address & HTTP Port No. of the camera within the router.

③ Step 3, use domain name to access the camera via internet

After the port forwarding is finished, you can use **the domain name+ http no.** to access the camera via internet. Take hostname dericam.dyndns.org for example, the accessing link of the camera via internet would be <http://dericam.dyndns.org:80>

Other Settings

Please refer to the user manual for other settings.