

Wireless/Wired MPEG-4 Pan & Tilt Surveillance Camera

User' s Guide

TABLE OF CONTENTS

1. OVERVIEW	3
1.1 PRODUCT DESCRIPTION	3
1.2 PRODUCT FEATURE	3
1.3 PRODUCT SPECIFICATION	3
1.4 PRODUCT ACCESSORIES INCLUDE	4
1.5 SYSTEM REQUIREMENT	4
1.6 EXTERIOR FUNCTION INTRODUCE	5
1.7 PRODUCT SET-UP	5
2. UTILITIES AND TOOLS	6
2.1 IPCAMFINDER	6
2.2 USE IP-CAM AND TEST THE IMAGE FUNCTION FOR THE FIRST TIME	7
2.3 HOW TO SET UP IP CAM	8
2.4 SETTING THE WAY TO OBTAIN THE IP ADDRESS OF IP-CAM	8
2.5 IP-CAM NETWORK FRAMEWORK INSTALLATION	12
2.6 INSTALLATION FOR IP SHARE	19
2.7 INSTALLATION FOR WIRELESS IP SHARE	20
3. GETTING STARTED	22
3.1 SYSTEM LOGIN	22
3.2 LIVEVIEW	22
3.3 TAKE A SHOT	23
4. ADVANCED FUNCTION WITH LIVEVIEW	24
5. CONFIGURATION	26
5.1 IMAGE CONTROL	26
5.2 ADUIO CONTROL	27
5.3 MOTION DETECTION	27
5.4 NETWORK SETUP	29
5.5 WIRELESS LAN SETUP	30
5.6 FTP – FTP SERVER	30
5.7 E-MAIL	30
5.8 NTP	31
5.9 ACCOUNT MANAGER	31
5.10 UPGADE	32
5.11 REBOOT/RESTORE	32
APPENDIX A. OPERATION EXAMPLE FOR USING UPNP	33
APPENDIX B. OPERATION EXAMPLE FOR USING A PPPOE DIALUP CONNECTION AND DDNS	34
APPENDIX C. FAQ	37

OVERVIEW

1.1 PRODUCT DESCRIPTION

This device is the most simple and effective IP Camera product for remote monitoring and management. The installation is easy and the built-in Web server allows users to carry out the work of remote monitoring and management through web browser (i.e., Microsoft IE) by typing IP address of the IP-Cam device. Meanwhile, the motor inside the camera can be controlled remotely to change the direction/angle for monitoring. It can assist users to handle the real-time image for the area of monitoring. In addition, the image compression uses MP-4 file format and the image can be transmitted with high quality up to 30 screen for every second. This device also has the function of wireless data transmission. Users can install it through wireless network to avoid the environmental damage due to the cable material.

In addition, many network protocols are supported, such as PPPoE, DHCP, STATIC IP, DDNS, SMTP, FTP, NTP and 3GPP. Moreover, IR LED lightening illumination is also included to strengthen the night vision capability. The further recording and real-time photographing capabilities can reach professional security and have great fun for the family use remote monitoring.

1.2 PRODUCT FEATURE

- Use standard Web Browser IE to monitor, record, and shoot remotely
- Support MPEG-4 and M-JPEG modes displaying and transmission for images
- Support bi-directional voice transmission
- Simple installation and function configurations for IP-Cam
- User friendly interface
- Big angle motor Pan/Tilt monitoring and digitizing/zooming
- Function of day and night monitoring by infrared rays illumination
- Allow on-line image viewing remotely for multi-user simultaneously
- Remote real-time recording to the device and trigger to sending images to FTP & E-Mail & SD Card
- Support private IP and functions of NAT & Port of IP switch
- Use functional authority setting, name registration and password protection
- Support the dynamic IP network function of DHCP
- Support ADSL network of PPPoE user
- Support 3GPP image transmission of mobile

1.3 PRODUCT SPECIFICATION

- Image Size: VGA \ QVGA \ QQVGA adjustable
- Image Speed / Quality: Standard \ good \ high adjustable
- Upstream: 512K, 1M, 1.5M, 2M
- MAX Frame rate: 5 \ 10 \ 15 \ 20 \ 25 \ 30 fps/sec
- Video Frequency: 50 Hz for PAL \ 60 Hz for NTSC
- Image Compression Format : Motion-JPEG&MPEG-4 compliant
- Focal Distance Range : From 30mm to infinity adjustable
- Image Recording : Images sent to user defined path on PC
- Image capture : Images sent to FTP & E-Mail & PC & SD Card
- Support protocols for TCP/IP,UDP,ARP,ICMP,DHCP,SMTP, HTTP,FTP,NTP,DNS,DDNS,PPPoE,UPnP,3GPP
- Network DHCP or manual setting network IP, and support ADSL network of PPPoE user
- Build-in web server and the functions of Active-X
- Remote single picture captured with JPG file format, remote continuous screen recorded with AVI format
- Night vision lightening illumination : Auto and Manual selection, IR LED x 6/ 5q/850A
- Microphone audio in and speaker audio out
- Monitoring angle : Up/Down Tilt +180 to -35 degrees
Horizontal angle: Left / Right Pan +/- 175 degrees
- Standard RJ-45 network connector, support 10/100 Base-T/TX Fast Ethernet network transmission
- Standard wireless IEEE 802.11 b/g network transmission
- 5V/ 2A exterior switching power adaptor
- Power Consumption : 700mA(max) / 5.5W(max)
- Operating environment : 5°C~40°C

Wireless/Wired MPEG-4 Pan & Tilt Surveillance Camera

- Storage temperature : -0°C~55°C
- Humidity : 5 %~85%

1.4 PRODUCT ACCESSORIES INCLUDE

- 1.P-Camera
- 2.Power adaptor, 5V/ 2A Switching Power adaptor
- 3.Ethernet Cable(red), used to connect to the network card of PC for testing and configuring the product
- 4.Ethernet Cable (blue), used to connect to Hub, ADSL modem, IP Share
- 5.Setup CD
- 6.This User's Guide
- 7Accessory for hanging and fastening



1.



2.



3.



4.



5.



6.



7.

1.5 SYSTEM REQUIREMENT

PC :

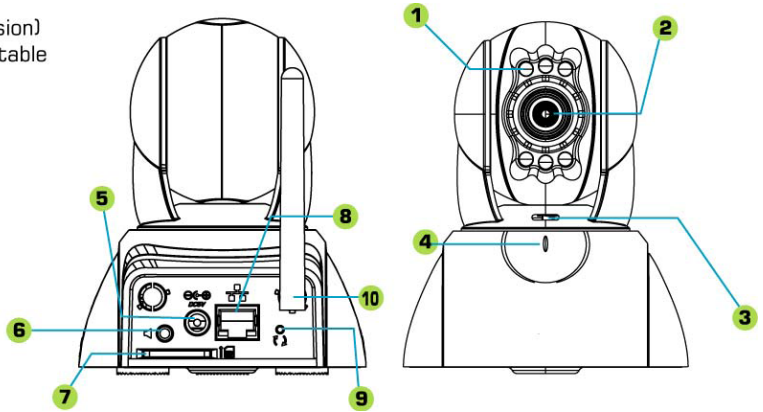
- Processor : Intel Pentium 4 @ 2.0GHz or above is recommended
- RAM : 256MB or above
- Operation System : Windows 2000® or Windows XP® or Vista 32 / 64 Bit
- **Adobe Flash Player 9.0 must be installed**
- Hard Disk : Minimum 100MB or above
- Read only CD-ROM (Search Tool program must be intalled into any PC which will be used to view IP-CAM image)

Network :

- Network Card : 10/100 base-T/TX Fast Ethernet
- Wireless Network : I IEEE 802.11 b/g
- Network Setup : Accessing Internet normally
- Web Browser : ActiveX Enabled and Compliant (Microsoft Internet Explorer 6.0 or above)
- Connect Network Equipment : ADSL modem, Wireless IP Share or Hub

1.6 Exterior Function introduce

1. IR-LED x 6(Night Vision)
2. Lens & Focus Adjustable
3. Status Led
4. Microphone
5. Power Jack
6. Speaker Out
7. SD Card Slot
8. RJ-45 LAN Port
9. Reset
10. Antenna



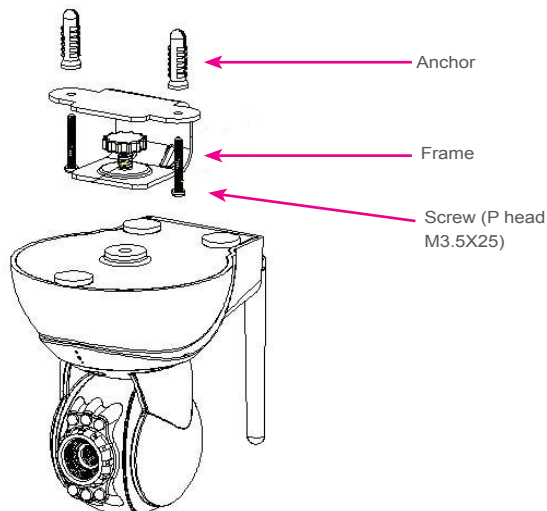
※Description for power-on

After plugging DC5V/2A power adapter into the power socket, please wait for IP-CAM to finish motor homing. When the Status LED lights on, the initialization for the device will be done.

※Usage of Reset Switch:

During system normal operation, press and hold the Reset Switch for a short time (approximately 5 seconds) until the front Status Light goes out, the system will restart and return to the factory default settings.

1.7 Product SET-UP



UTILITIES AND TOOLS

2.1 IP SEARCH TOOL

Search Tool is the IP search application provided by this product. It can search all the IP CAMs connected in LAN. Through sending out the inquiry of broadcasting packets and receiving responses from IP CAMs, the window will display a list of all IP CAMs in the network. Furthermore, it also provides modify functions for changing specified IP CAM's network settings, e.g. IP Address change function.

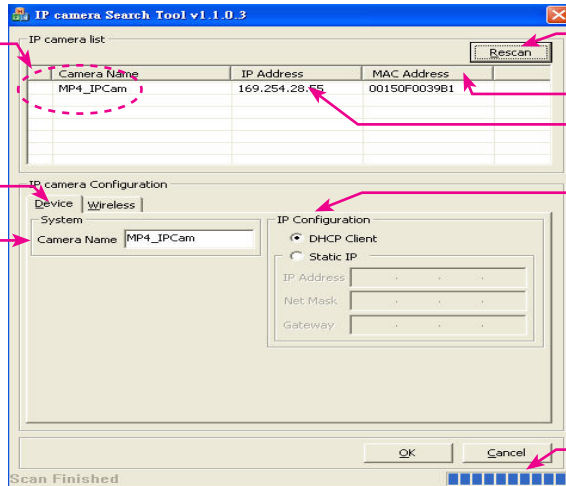
Search Tool in detail (1),(2):

IP CAM List:

(click once to show the information of IP-CAM; double click to connect browser)

Wired connection Mode

Change the name of IP Cam



Rescan

MAC address

IP address

Swift the connection mode

Progress of broadcasted packet transmission

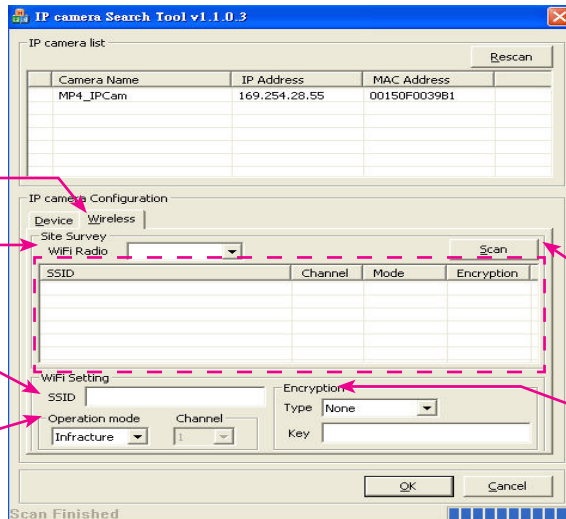
Figure (1)

Wireless mode setting

Swift to wireless mode

Setting for identifying of wireless connection

Receipt mode for wireless signal



Search available Access Point(s)

Set the encryption mode

Figure (2)

※When Status LED of IP-CAM lights on and the Search tool has not found IP-CAM yet, please press "Rescan" to send out inquiry broadcast packets to make IP-CAM to response.

※Set "on" for WiFi Raido while using wireless mode.

※It takes 10 - 20 minutes to search IP cam address

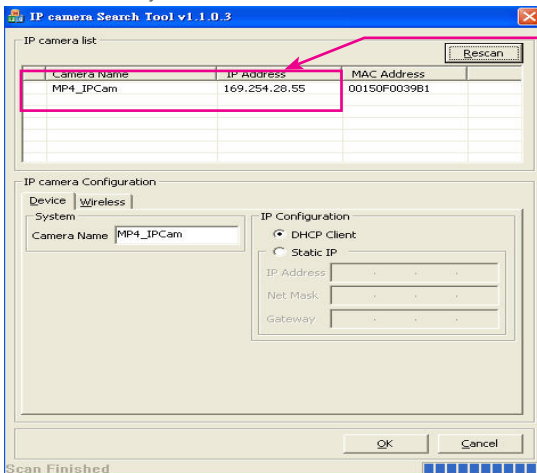
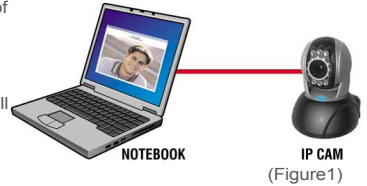
2.2 USE IP-CAM AND TEST THE IMAGE FUNCTION FOR THE FIRST TIME

The following connection is suitable for IP-CAM test / DHCP& fixed IP&PPPoE setting / program code upgrade (strongly recommended):

The operation steps are listed below:

Installing the Product for the first time :

- You computer must be equipped with network card and RJ-45 network connector.
 - Connect the RJ-45 terminator on the rear of IP-Cam to the red test network cable. One end is connected to the network card of computer; the other end is connected to the rear side of the IP- Cam.
 - Connect the power adaptor to the power port (on the rear) of IP-Cam.
- Now, the status LED on the top of IP-Cam will light up.
- Install Serach Tool (the program must be intalled into any PC which will be used to view IP-CAM image). The default setting for connection is that DHCP Client can use the built-in IP Address (based on the card of client) of the network card directly and configure with the same subnet automatically.



Step 1.
Display current available IP-CAM list.

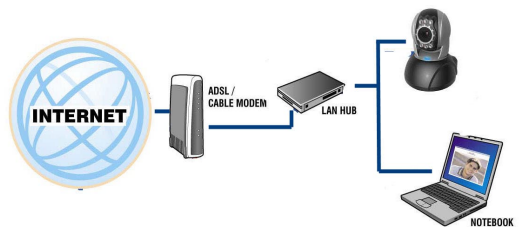
Step 2.
Click MP4_IPCam to connect IE automatically. Type the username and password for browsing IP-CAM screen.
(Default=> username:admin
password: password)

(Figure 2)

⊗Note: For IP-CAM must connect with PC directly to obtain the default IP address of network card for configuring IP-CAM address, it will take more time (about one minute) to search. If IP-CAM list is not shown after one minute, please press "Rescan" to search again or make sure if the bottom right corner appears network connection status (stop searching with symbol "I") as shown below. If yes, please press "Rescan" to search again.



⊗Note: If PC and IP-CAM in LAN connect through IP-Hub or Wireless IP switch, it will take 30 seconds to locate because PC and IP-CAM are in the same subnet which will save more time of searching.



⊗Note: For search correct IP address, the connection type for PC network must be DHCP.

⊗Note :if you can not see video , please download flash player 9 from web-site:<http://www.adobe.com/products/flashplayer/>

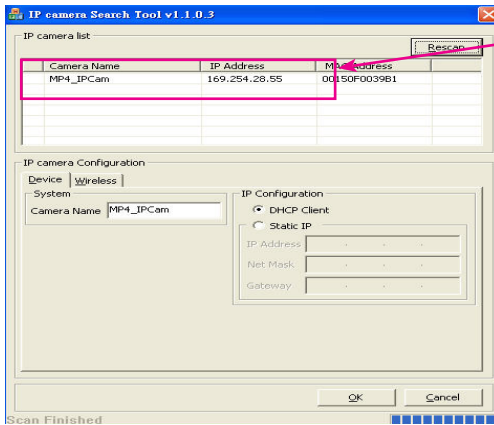
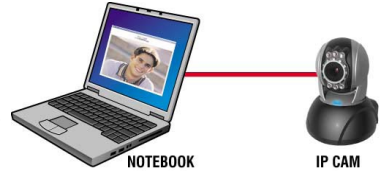
2.3 HOW TO SET UP IP CAM

Before you set up IP CAM, you have to know the network environment and if the IP address is fixed or float that provided by your ISP. If you do not know, please contact with your ISP. Section 2.5 will list the common network structure (1 ~ 7 types). Users can refer to the structure to find out what type is suitable for his/her computer and finish the setting up according to the instructions. To set up IP-CAM and IP address, the common way that people use is to change the obtaining of IP address of IP-CAM. Detailed information is listed as 2.4-1 ~ 2.4.3.

2.4 SETTING THE WAY TO OBTAIN THE IP ADDRESS OF IP-CAM

2.4.1 STATIC - IP Address Setting:

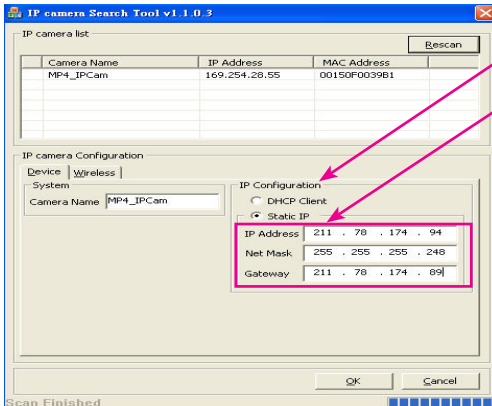
- You computer must be equipped with network card and RJ-45 network connector.
- Connect the RJ-45 terminator on the rear of IP-Cam to the red test network cable. One end is connected to the network card of computer; the other end is connected to the rear side of the IP-Cam.
- Connect the power adaptor to the power port (on the rear) of IP-Cam. Now, the status LED on the top of IP-Cam will light up.
- Open and execute Search Tool (as shown in Figure 3), the system will scan the IP-Cam that you just installed automatically. Then, you will find MP4_IPCam in the column of IP Cam List. You can see the default settings for IP-CAM. (as below).



(Figure 3)

Step 1.
Display current available IP-CAM list.
Step 2.
After clicking MP4_IPCam, the text color will be changed into blue indicating that you can modify IP-CAM settings.

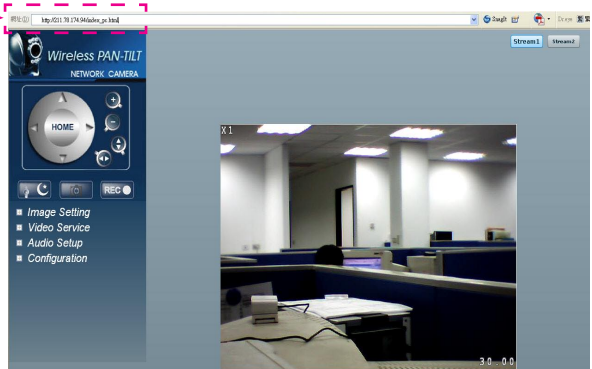
- Fill in Fixed IP Address as below. (If you do not know your fixed IP address, please contact with your ISP. Below is an example of Fixed IP Address modification.)



Step 1.
Connection mode is set to STATIC IP.
Step 2.
Fill in the Fixed IP.
IP Address : 211.78.174.94
Net Mask : 255.255.255.248
GateWay : 211.78.174.89
Step 3.
Click OK to finish the configuration.

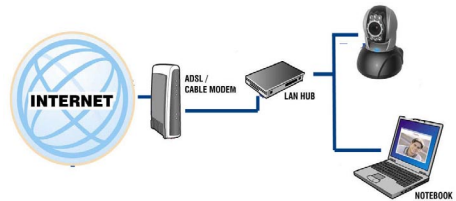
Example:

1. Set up the IP CAM with fixed IP address.
2. Turn on your computer and open IE browser. Type 211.78.174.94 in the Address line. Now you can access into the monitoring screen of network.

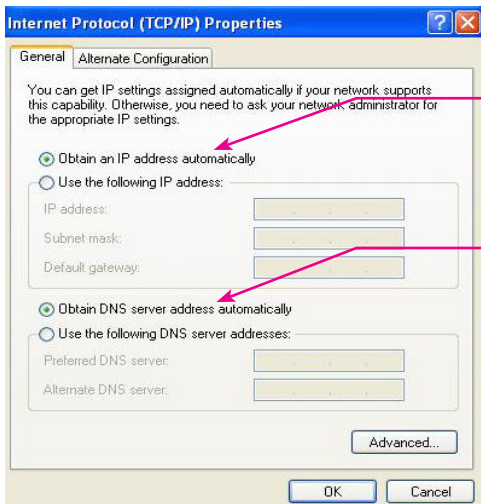


2.4.2 DHCP - IP Address Setting:

- Use RJ-45 Ethernet cable (red) to connect ADSL host and switching hub. Then use RJ-45 Ethernet cable (blue) to connect PC and IP CAM (as shown below).



- Connect the power adaptor to the power port (on the rear) of IP-Cam. Now, the status LED on the top of IP-Cam will light up.
- Set up the connection way inside the PC network: Please go to Control Panel ----> Network Connections ----> Choose Activated LAN connection ----> right click your mouse ----> Select Properties(P)----> Select Internet Protocol (TCP/IP)----> Select Properties(R) ----> Click Obtain an IP address automatically(O), Obtain DNS server address automatically(B).

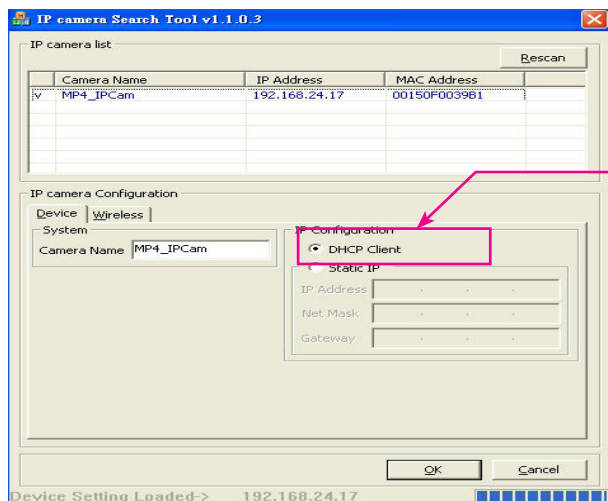


Obtain an IP address automatically (O)

Obtain DNS server address automatically

Wireless/Wired MPEG-4 Pan & Tilt Surveillance Camera

- Open and execute Search Tools (as below), The system will scan the IP-CAM that you just installed automatically. Then, you will find MP4_IPCam 192.168.24.17 in the column of IP Cam List. (as shown in Figure 5).



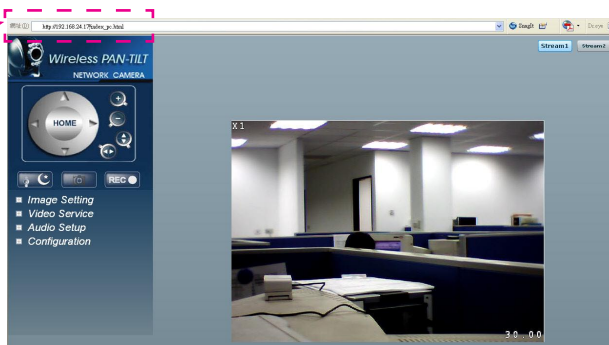
(Figure 5)

- Step 1.
The default connection mode is DHCP
- Step 2.
Click MP4_IPCam to connect IE automatically. Type the username and password for browsing IP-CAM screen.

- The default connection type is DHCP. It is not necessary for you to modify any configuration. The system will assign one set of IP address automatically. Please open a browser and type the assigned IP address for accessing into network monitoring page. (as shown in Figure 6)

Example :

- 1.Now, IP-CAM is set up with the IP address in LAN.
- 2.Use Search Tool to access into monitoring screen of network according to the instructions in Figure 5.
- 3.Or, turn on your PC and open IE Browse. Type 192.168.24.17, in Address list to access into monitoring screen of network. (Figure 6).



2.4.3 PPPoE - IP Address Setting:

- Install IP-CAM according to the method stated in 2.4.2 DHCP-IP Address Setting. Open Configuration/Network Setup, choose PPPoE as LAN settings and enable DDNS. (Refer to the following figure)

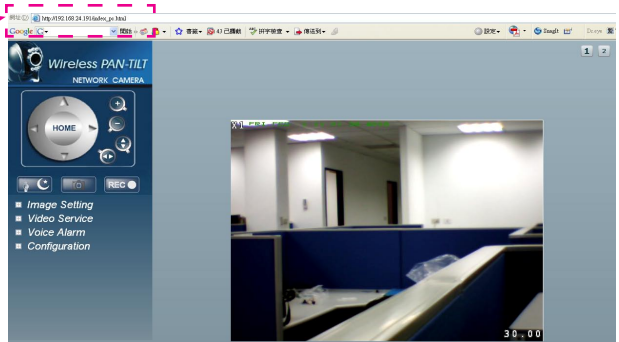
Network Settings

LAN settings	PPPoE
User Name	7176864@hinet.net
Password	••••••••
Password Retype	••••••••
DDNS Enable	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Server Address	DynDNS.org
Host Name	myipcam.gotdns.com
User Name	mingjong
Password	••••••••

※Note: For applying for DDNS server, please refer to Appendix B for more details.

Example :

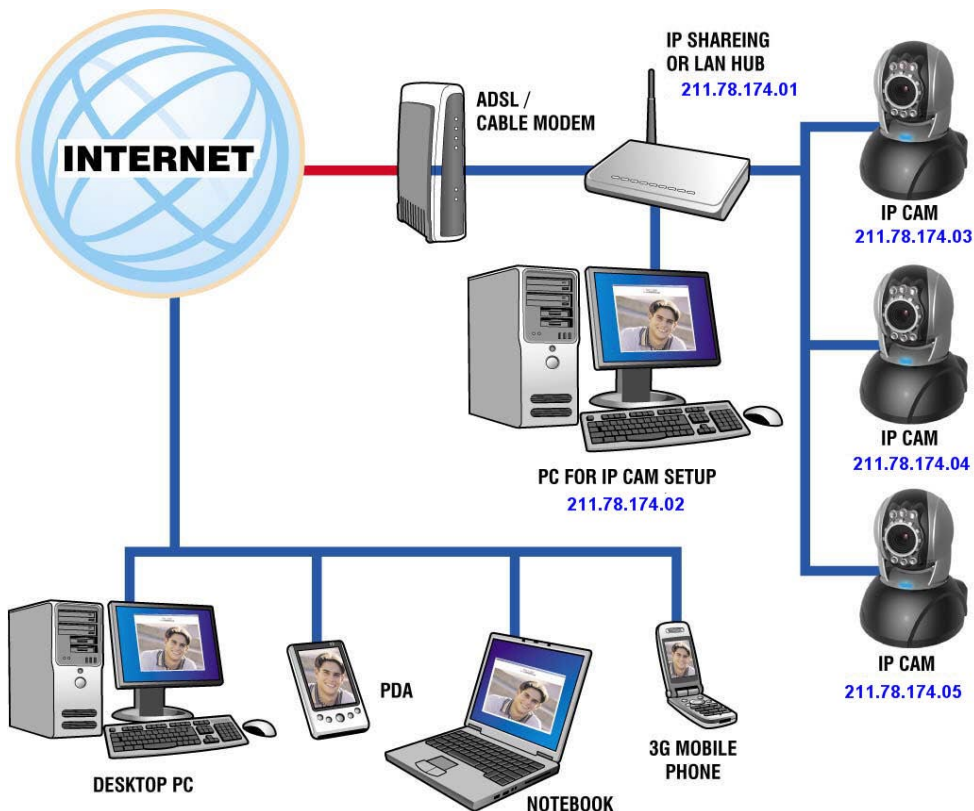
1. IP-CAM had been installed on to Hub in LAN (also the PC has been installed here). Refer to 2.5 (the sixth network framework)
2. Turn on your PC and open any browser for typing DDNS website, such as



2.5 IP-CAM NETWORK FRAMEWORK INSTALLATION

I. IP-CAM Network Framework Installation 1

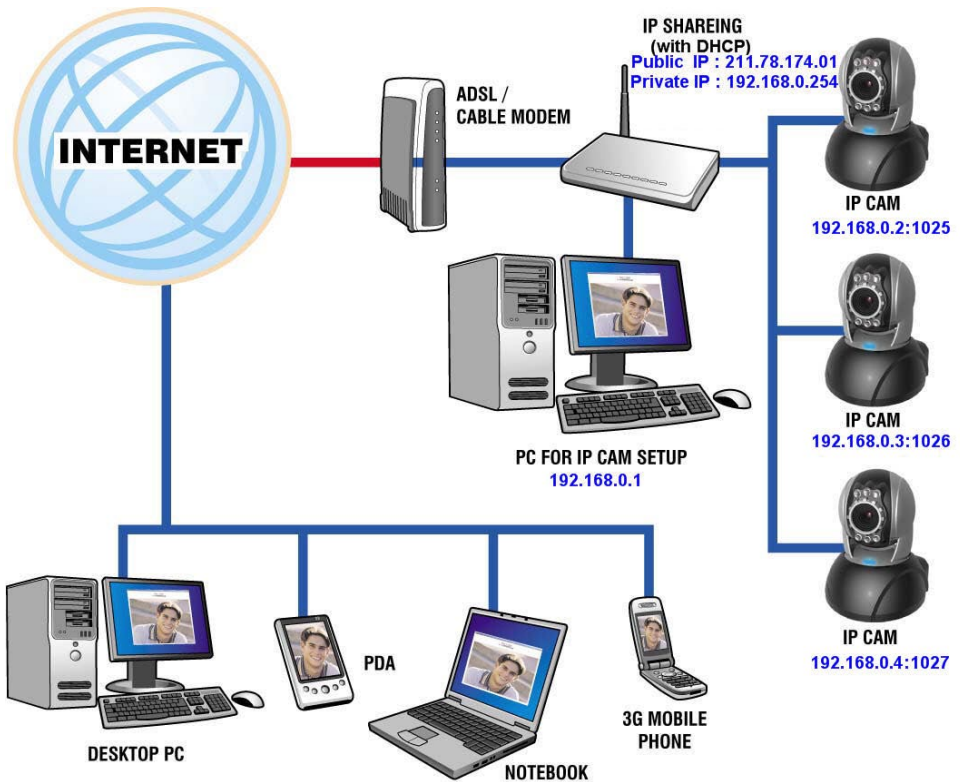
Way to access Internet	Use Permanent ADSL or Cable Modem
Physical IP Address	Owns several physical IP addresses
IP Share or LAN Hub	General model is OK
Network Setup for IP -CAM	LAN Enable / Manually
Suitable Objects	Users with several physical fixed IP addresses and several IP-CAMs installed



1. Connect the RJ-45 terminator on the rear of IP-Cam to the red test network cable. One end is connected to the network card of computer.
2. Refer to 2.4-1 STATIC – IP Address Settings to type the IP address properly.
3. Set a physical IP address for each IP-Cam.
4. Set up the IP-CAM with fixed IP address.
5. For viewing images in IP-CAM from remote computer: Open IP browser and type in the physical IP address of the IP-CAM, e.g., <http://211.78.174.03>.

II. IP-CAM Network Framework Installation 2

Way to access Internet	Use Permanent ADSL or Cable Modem
Physical IP Address	Owens one physical IP address
IP Share or LAN Hub	Must be equipped with DHCP & NAT function
Network Setup for IP -CAM	LAN Enable / Manually Web Server Port Number, need to be adjusted
Suitable Objects	Users with one physical fixed IP addresses, IP Share and several IP-CAMs installed

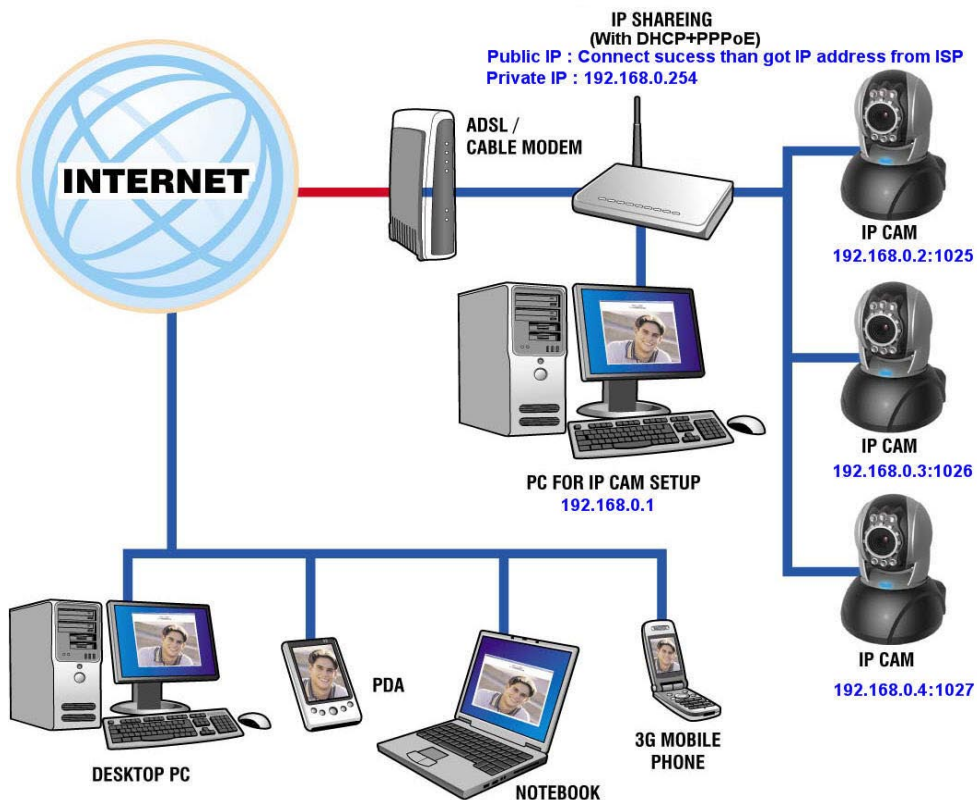


1. Set a real physical IP address (e.g., 211.78.174.01) for the public IP of IP Share. Then, set another private IP address and activate the DHCP server function of IP Share.
2. In the IP configuration for each IP-Cam, please assign different virtual IP address internally and respectively. In the Http Port setting, please specify different port parameters. (Please refer to 2.6 Installation for IP Share)
3. For the port transformation in IP Share, please refer to IP and port settings of camera to configure accordingly.
4. For viewing images in IP-Cam from remote computer: Open IP browser and type in the physical IP address of the IP Share and the port number of IP-Cam, e.g., [http:// 211.78.174.01:1025](http://211.78.174.01:1025).

Wireless/Wired MPEG-4 Pan & Tilt Surveillance Camera

III. IP-CAM Network Framework Installation 3

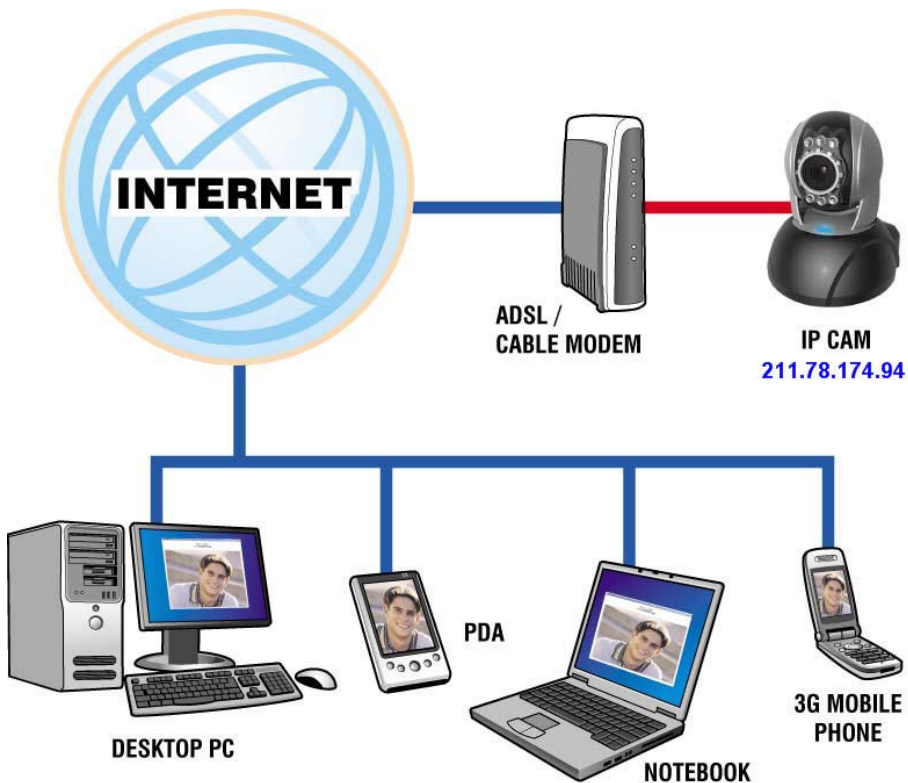
Way to access Internet	Use dial-up ADSL or Cable Modem
Physical IP Address	Owens one float IP address (dispatched by ISP dynamically)
IP Share or LAN Hub	Must be equipped with DHCP and NAT functions
Network Setup for IP -CAM	LAN Enable / Manually Web Server Port Number, need to be adjusted
Suitable Objects	Users with dial-up ADSL, one float IP address and several IP-CAMs installed



1. Activate PPPoE function of IP share. Then, set another private IP address and activate the DHCP server function of IP Share. When the dial-up of ADSL is successful, you will get a float IP address from your ISP.
 2. In the IP configuration for each IP-CAM, please assign different virtual IP address internally and respectively. In the Http Port setting, please specify different port parameters. (Please refer to 2.6 Installation for IP Share)
 3. For the port transformation in IP Share, please refer to IP and port settings of camera to configure accordingly.
 4. For viewing images in IP-CAM from remote computer: Open IP browser and type in the float IP address of ADSL and the port number of IP-CAM, e.g., [http:// 211.78.174.01:1025](http://211.78.174.01:1025).
- (Please follow the steps listed in 2.4.3 to configure PPPoE and apply DDNS server for using IP-CAM)

III. IP-CAM Network Framework Installation 4

Way to access Internet	Use Permanent ADSL or Cable Modem
Physical IP Address	Owens one physical IP address
IP Share or LAN Hub	Not necessary
Network Setup for IP -CAM	LAN Enable / Manually Web Server Port Number, no need to be adjusted
Suitable Objects	Users with permanent ADSL, one fixed physical IP address and one IP-CAM installed

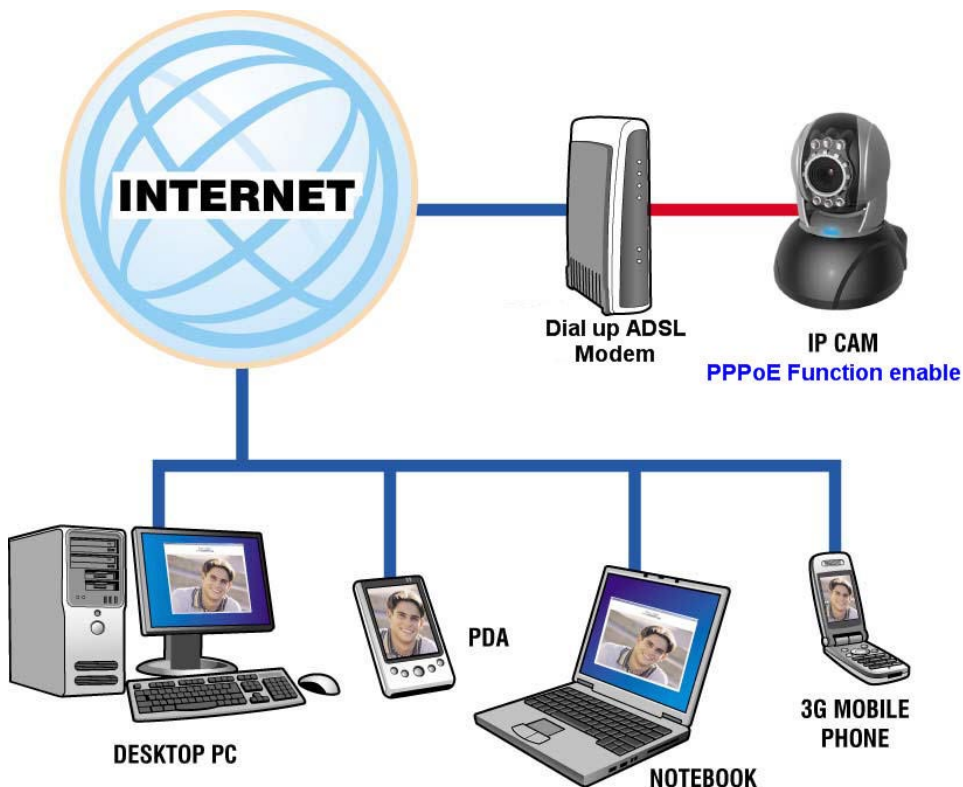


1. Connect the RJ-45 terminator on the rear of IP-CAM to the red test network cable. One end is connected to the network card of computer.
2. Refer to 2.4-1 STATIC – IP Address Settings to typing the IP address properly.
3. Set up the IP-CAM with fixed IP address.
4. For viewing images in IP-CAM from remote computer: Open IP browser and type in the physical IP address of the IP-CAM, e.g., <http://211.78.174.94>.

Wireless/Wired MPEG-4 Pan & Tilt Surveillance Camera

V. IP-CAM Network Framework Installation 5

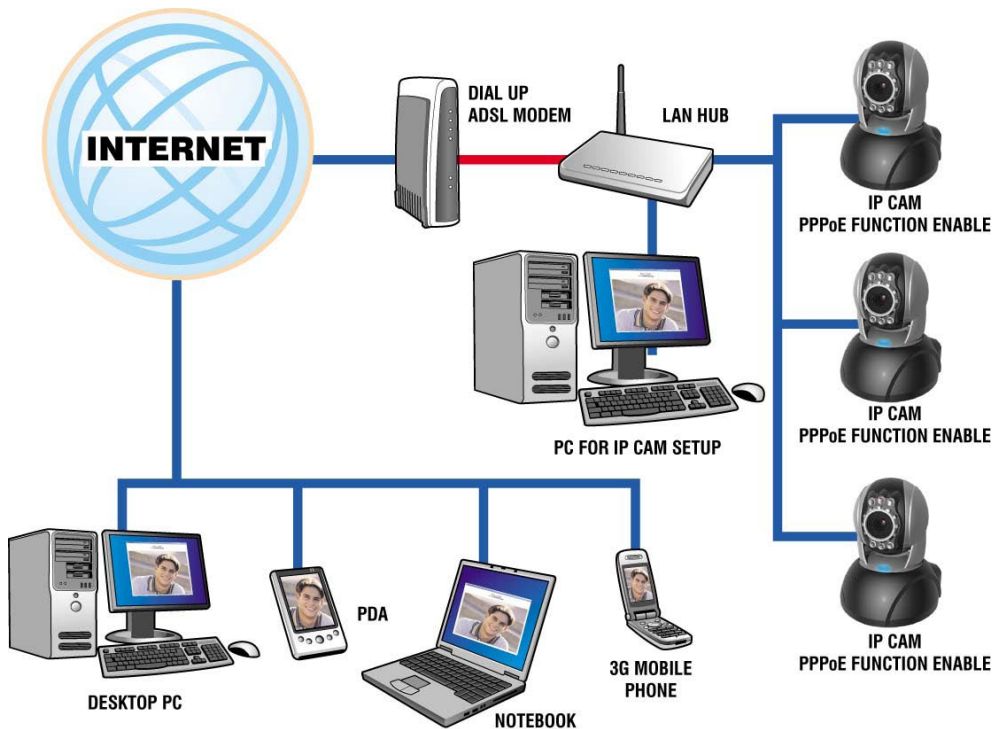
Way to access Internet	Use dial-up ADSL or Cable Modem
Physical IP Address	Owns one float IP address (dispatched by ISP dynamically)
IP Share or LAN Hub	Not necessary
Network Setup for IP -CAM	PPPoE function should be set, LAN Enable Web Server Port Number, no need to be adjusted
Suitable Objects	Users with dial-up ADSL, and one IP-CAM installed



1. Please acquire the necessary information of ADSL dial-up from your ISP.
ISP relational information: ADSL dial-up account name and password
2. Connect the RJ-45 terminator on the rear of IP-CAM to the red test network cable. One end is connected to the network card of computer.
3. Refer to 2.4-3 PPPoE - IP Address Settings for typing account name and password & DDNS.
4. Set up the IP-CAM to Dial up ADSL Modem.
5. Turn on PC and open web browser. Type in DDNS name such as myipcam.gotdns.com to access the network monitoring web page.

VI. IP-CAM Network Framework Installation 6

Way to access Internet	Use dial-up ADSL or Cable Modem
Physical IP Address	Owns several float IP addresses(dispatched by ISP dynamically)
IP Share or LAN Hub	Must be equipped with DHCP and NAT functions
Network Setup for IP -CAM	LAN Enable / Manually Web Server Port Number, need to be adjusted
Suitable Objects	Users with several float IP addresses and several IP-CAMs installed

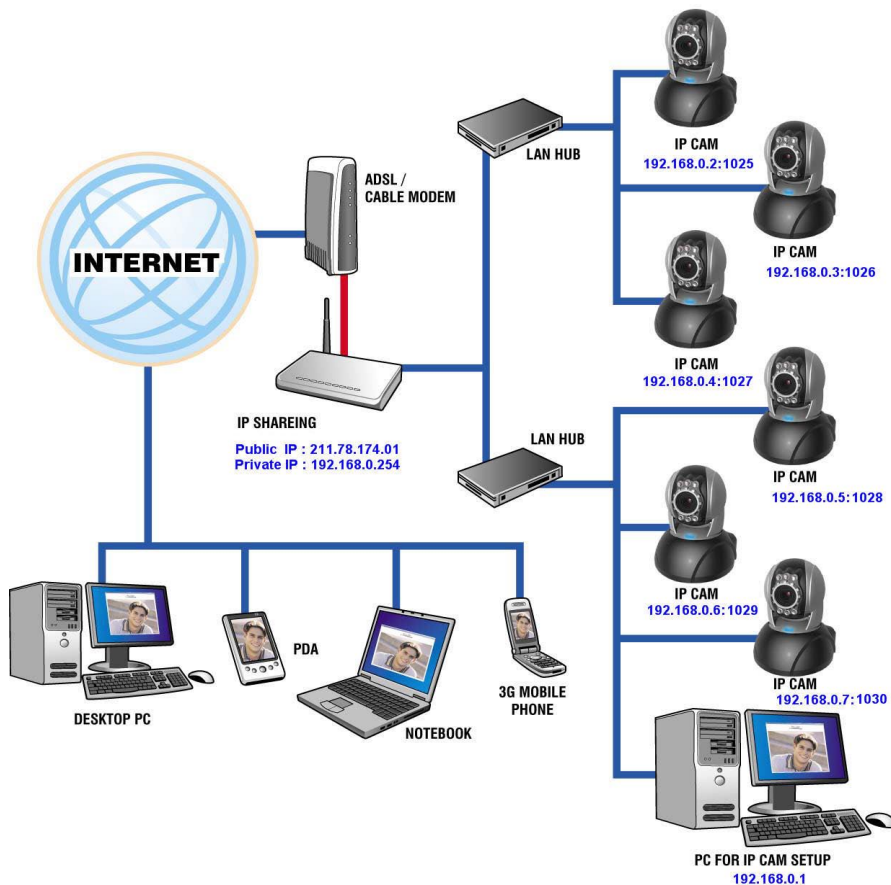


1. Please acquire the necessary information of ADSL dial-up from your ISP.
ISP relational information: ADSL dial-up account name and password.
2. Connect the RJ-45 terminator on the rear of IP-CAM to the red test network cable. One end is connected to the network card of computer.
3. Refer to 2.4-3 PPPoE - IP Address Settings for typing account name and password & DDNS.
4. Install IP-CAM on LAN Hub.
5. Turn on PC and open web browser. Type in DDNS name such as myipcam.gotdns.com to access the network monitoring web page.
6. Follow the steps above to configure for each IP-Cam.

Wireless/Wired MPEG-4 Pan & Tilt Surveillance Camera

VII. IP-CAM Network Framework Installation 7

Way to access Internet	Use Permanent ADSL or Cable Modem
Physical IP Address	Owens one physical IP address
IP Share or LAN Hub	Must be equipped with DHCP and NAT functions
Network Setup for IP -CAM	LAN Enable / Manually Web Server Port Number, need to be configured
Suitable Objects	Users with one fixed physical IP, IP Share and several IP-CAMs installed



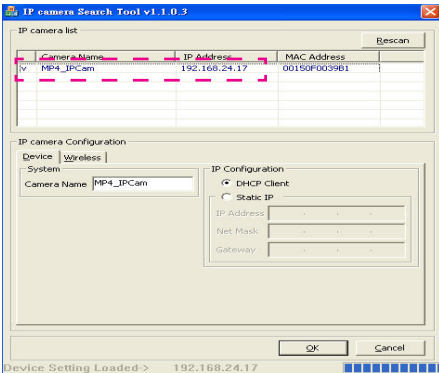
1. Set a real physical IP address (e.g., 211.78.174.01) for the public IP of IP Share. Then, set another private IP address and activate the DHCP server function of IP Share.
2. In the IP configuration for each IP-Cam, please assign different virtual IP address internally and respectively. In the Http Port setting, please specify different port parameters. (Please refer to 2.6 Installation for IP Share)
3. For the port transformation in IP Share, please refer to IP and port settings of camera to configure accordingly.
4. For viewing images in IP-CAM from remote computer: Open IP browser and type in the IP address of IP Share and the port number of IP-CAM, e.g., [http:// 211.78.174.01:1025](http://211.78.174.01:1025).

2.6 INSTALLATION FOR IP SHARE

When IP-CAM is installed under IP Share, it can obtain a dynamic IP address from DHCP server. If you want to install the IP-CAM in WAN interface, you have to set a fixed IP address for the device. No matter whether your IP Share has the function of virtual server, it is necessary for IP-CAM to set a fixed IP address.

(A) Please use Search to set a fixed IP address for IP-CAM (e.g., 192.168.24.17) and access into IP CAM

Audio Control web page for modifying RTSP Port, Control Port and HTTP port. Please refer to Figure 1-1 and Figure 1-2 for changing the port number if required.



(Figure 1-1)

Audio & Multicast Settings

Audio Settings

Audio Channels Mono Stereo

Sample Rate

Streaming Settings

RTSP Port

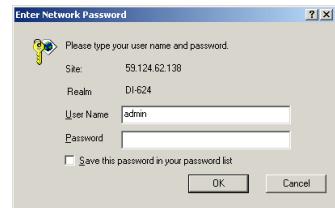
Control Port

HTTP Port

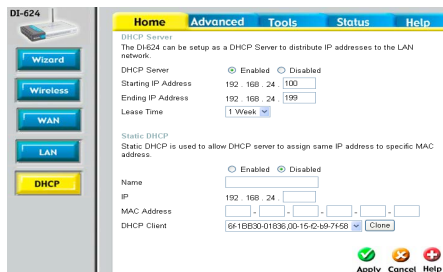
(Figure 1-2)

(B) Type admin to access into ADSL router's web configuration.

(Refer to Figure 2. It depends on the router you have).



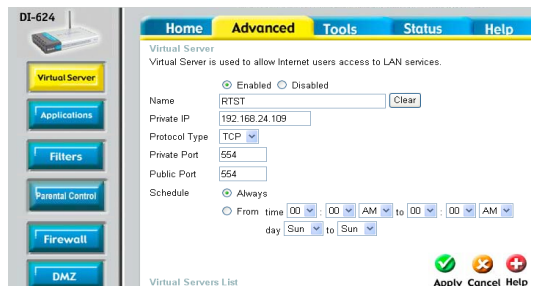
(Figure 2)



(Figure 3)

(C) Enable the DHCP function of IP Share. (Refer to Figure 3. The range of available IP address is 192.168.24.100~192.168.24.199)

(D) Access into the web page of Virtual Server. Add the fixed IP address specified by Search Tools in step (1) and enable it. (Refer to Figure 4.1)



(Figure 4.1)

(E) Three sets of virtual servers with the same IP address should be added with RTST Por: t54 Contorl Port:21 and HTTP Port:81. From the virtual servers list, the IP address for these three servers must be set with the same value. (Refer to Figure 4.2)

Virtual Servers List			Apply	Cancel	Help
Name	Private IP	Protocol	Schedule		
<input type="checkbox"/> Virtual Server FTP	0.0.0.0	TCP 21/21	always		
<input type="checkbox"/> Virtual Server HTTPS	0.0.0.0	TCP 443/443	always		
<input type="checkbox"/> Virtual Server DNS	0.0.0.0	UDP 53/53	always		
<input type="checkbox"/> Virtual Server SMTP	0.0.0.0	TCP 25/25	always		
<input type="checkbox"/> Virtual Server POP3	0.0.0.0	TCP 110/110	always		
<input type="checkbox"/> Virtual Server Telnet	0.0.0.0	TCP 23/23	always		
<input type="checkbox"/> IPSec	0.0.0.0	UDP 500/500	always		
<input type="checkbox"/> PPTP	0.0.0.0	TCP 1723/1723	always		
<input type="checkbox"/> NetMeeting	0.0.0.0	TCP 1720/1720	always		
<input type="checkbox"/> DCS-2000/DCS-5300	0.0.0.0	TCP 800/800	always		
<input type="checkbox"/> i2eye	0.0.0.0	TCP 1720/1720	always		
<input checked="" type="checkbox"/> jeff	192.168.0.112	TCP 6000/6000	always		
<input checked="" type="checkbox"/> wen	192.168.0.111	TCP 3000/3000	always		
<input checked="" type="checkbox"/> jeffpcam1	192.168.0.120	TCP 5000/5000	always		
<input checked="" type="checkbox"/> jeff3	192.168.0.111	UDP 1500/1500	always		
<input checked="" type="checkbox"/> jeff6	192.168.0.120	TCP 8000/8000	always		
<input checked="" type="checkbox"/> wen2	192.168.0.112	UDP 1502/1502	always		
<input checked="" type="checkbox"/> RTST	192.168.24.109	TCP 554/554	always		
<input checked="" type="checkbox"/> Contorl	192.168.24.109	TCP 21/21	always		
<input checked="" type="checkbox"/> HTTP	192.168.24.109	TCP 81/81	always		

(Figure 4.2)

(F) Restart PC and IP Shareing After restarting, if you want to connect IP-CAM from WAN interface, please go to Status/WAN/IP Address of the router's web configurator. (http://59.124.62.138:81, refer to Figure 5)

The screenshot shows the 'Status' page of a D-Link DI-624 router. The 'WAN' section is expanded, displaying the following information:

- MAC Address: 00-13-46-33-46-t3
- Connection: fixed IP
- IP Address: 59.124.62.138
- Subnet Mask: 255.255.255.240
- Default Gateway: 59.124.62.129
- DNS: 168.95.1.1

(Figure 5)

2.7 INSTALLATION FOR WIRELESS IP SHARE

(A) Configure the settings according to section above 2.6, Installation for IP Share. Next, set SSID for wireless router with the name of "wendell" (based on the name specified the user)

The screenshot shows the 'Set Wireless LAN Connection' step of the D-Link DI-624 Setup Wizard. The SSID is set to 'wendell' and the Channel is set to 6. Navigation buttons 'Back', 'Next', and 'Exit' are visible at the bottom right.

(B) Set up wireless network password.

The screenshot shows the WEP encryption step of the D-Link DI-624 Setup Wizard. The 'WEP' option is selected as 'Enabled'. The 'Wep encryption' is set to '64Bit' and the 'Key' is '1234567891'. A note indicates that the key should be 10 HEX characters (HEX is 0-9, A-F, or a-f). Navigation buttons 'Back', 'Next', and 'Exit' are visible at the bottom right.