Multilingual Version

English

中文

ETS | Event Trigger System

IR DOME
NETWORK CAMERA SERIES

ADVANCED NETWORK SETUP

Please read instructions thoroughly before operation and retain it for future reference.

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All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly “lead-free” and without the hazardous substances cited in the directive.

The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste. Contact your local dealer for procedures for recycling this equipment.

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device mat not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

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We are pleased to provide our modifications to the Linux Kernel, as well as a few new commands, and some tools to get you into the code. The codes are provided on the FTP site, and please download them from the following site or you can refer to your distributor:

http://download.dvrtw.com.tw/GPL/IPCAM/F-Seriers/linux.tar.gz

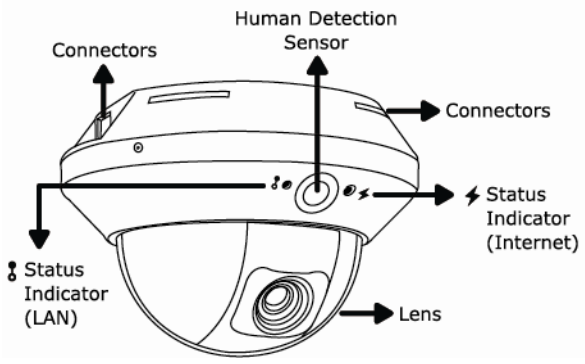
TABLE OF CONTENTS

1. CAMERA NETWORK CONFIGURATIONS

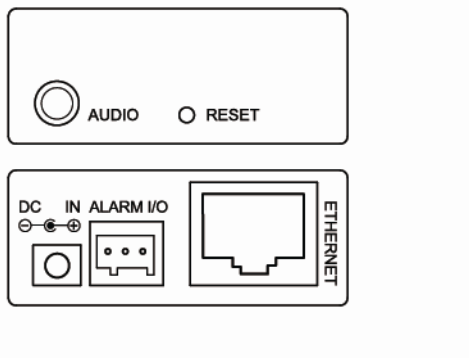
Please follow the instructions below to finish camera installation and network configurations.
You may configure the network connection of this network camera with your laptop / computer, or with your iPhone® or iPad® based on your network environment.

1.1 Camera Overview

Camera Overview



Connectors

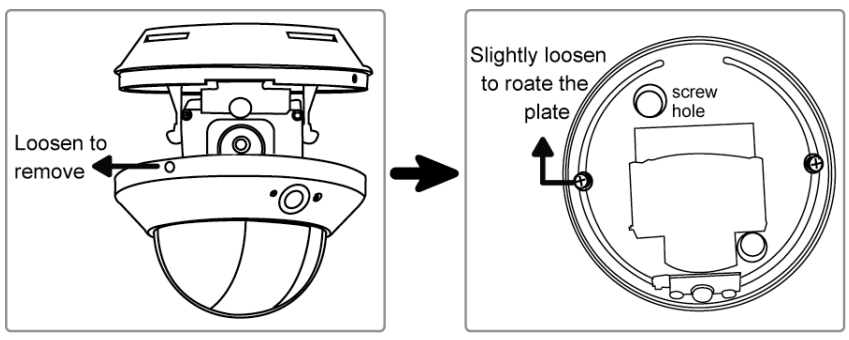


1.2 Assemble & Install Camera

Step1: Loosen the three screws on the camera to remove the dome cover.

Step2: Make sure the screw holes on the plate are aligned with the holes on the camera base.

Note: If not, slightly loosen the two screws on the plate and rotate it.

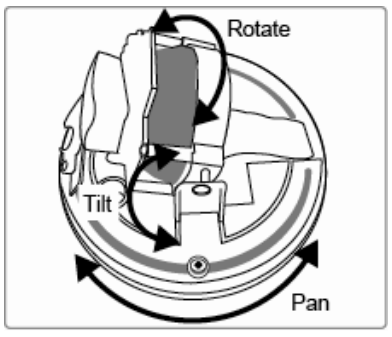


Step3: Mark the locations of the two screw holes on the ceiling or wall, and drill a hole for each on the ceiling or wall.

Note: The distance between your camera and the location you want to monitor should be **3 ~ 4** meters.

Step4: Fix the camera to the ceiling or wall with the supplied screws.

Step5: Pan, tilt and rotate the lens itself to adjust the position and viewing angle of the camera, and fasten the two screws on the plate to fix.



Note: Do not tilt the camera lens too up or down. Part of the IR LEDs might be covered or the dome cover might not be able to be replaced back.

Step6: Replace the dome cover back to the camera.

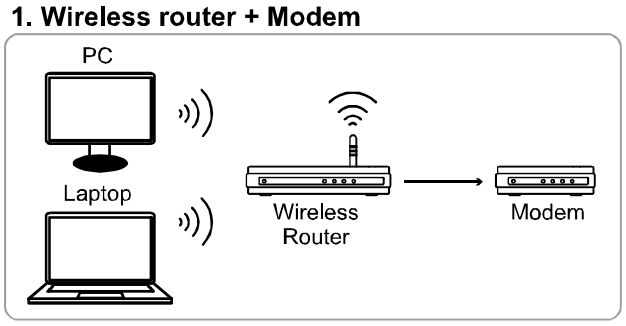
Note: Before replacing the cover, make sure the cover is clean and so the camera view is clear.

Step7: Connect your camera to power with the regulated power adapter. The adapter is optional.

Note: This camera also supports POE connection. For connection details, please refer to "APPENDIX 3 POE CONNECTION" at page 18.

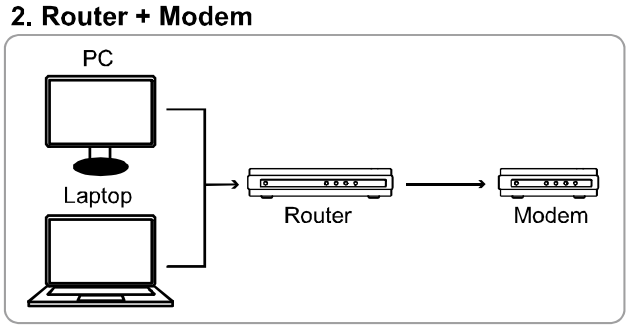
1.3 Understand How Your Laptop / Computer Connect to Internet

1. Wireless router + Modem

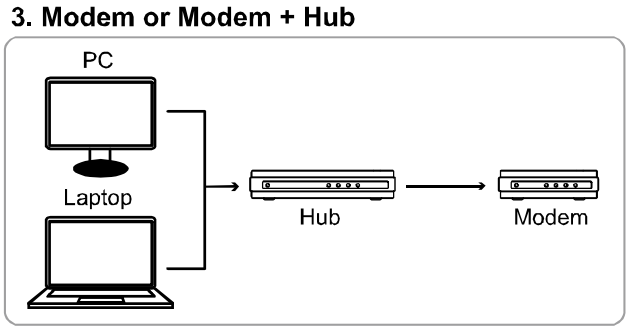


Devices connected with a network cable Devices connected wirelessly

2. Router + Modem



3. Modem or Modem + Hub



Devices connected with a network cable

Then, connect your network camera directly to your wireless router / router / hub / modem with a network cable, and power it on.

Note: Check (LAN) status indicator is always on, not blinking. If it's blinking, check your RJ45 network cable and ensure it's not disconnected or defect.

If you're using:

- Wireless router + modem, please refer to "1.4 Wireless Router + Modem".
- Router + modem, please refer to "1.5 Router + Modem".
- Modem or modem + hub, please refer to "1.6 Modem / Hub + Modem".

For your account safety, it's recommended to change the default account setting. For details, please refer to "1.7 Change Default Account" at page 11.

1.4 Wireless Router + Modem

You may use your laptop / PC, or your iPhone / iPad to complete the network configuration of the camera.

1.4.1 Configure on Laptop / PC

Before configuring this camera on your laptop / PC, make sure:

- Your Windows operating system is Windows 7, Vista or XP.
- (Recommended) Your wireless router supports UPnP, and this function is enabled.

Note: If your wireless router doesn't support UPnP, you need to additionally access your router for port forwarding. For details, please refer to "APPENDIX 4 CONFIGURE PORT FORWARDING" at page 19.

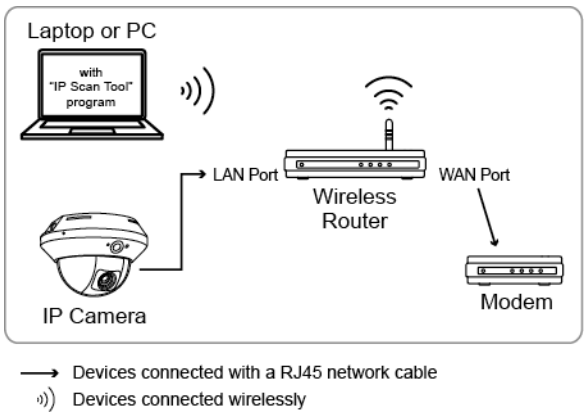
- You have noted down the IP address of your router, and the assigned IP address(es) and port(s) of other devices connected to the same router.

Note: For details, please refer to the user manual of your wireless router, or check with your installer.

➢ You have downloaded “IPScan.exe” in your laptop / PC.

Note: Please download “IPScan.exe” from www.surveillance-download.com/user/m328a.swf.

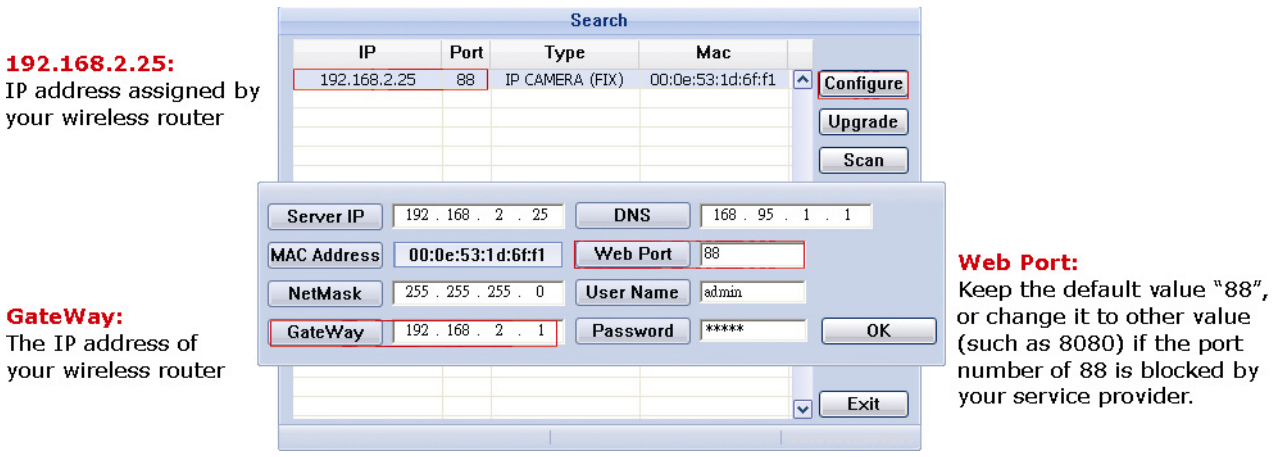
Step1: Connect your laptop / PC to the wireless network with the camera connected.



Step2: Open “IPScan.exe” (🔍) to search your camera, and:

- Note down the IP address and port number after search, such as “192.168.2.25” and “88” in our example.
- Select the IP address, and click “Configure” to note down the gateway IP address. It’s the address of your wireless router, and you might need it later for port forwarding.
- Change the port you’re using for this camera to other value (such as “8080”) in “Web Port” if you know the default port number “88” is blocked by your Internet service provider or phone carrier. Then, enter the user name (admin) and password (admin) to confirm.

  The number of “80” is not recommended to use since some Internet service providers and phone carriers might block the use of “80”.



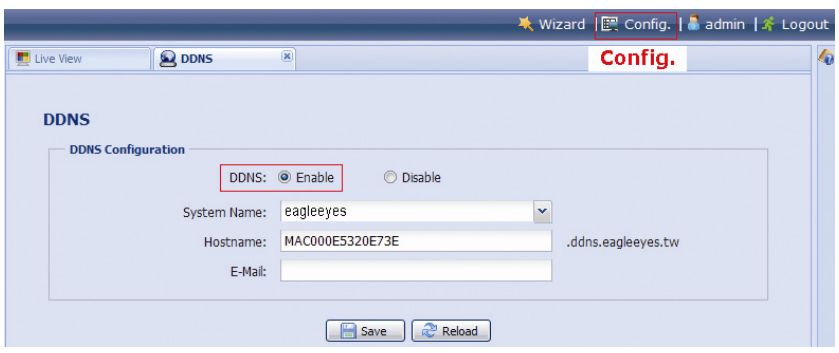
Step3: Open Internet Explorer on your laptop / computer, and enter the IP address and port number you just found in the URL column to access this camera.

The format is http://ipaddress:portnum, such as http://192.168.2.25:88 in our example.

In the login page, enter the user name, password, and security code to access.

Note: Please skip the wizard.

Step4: Go to “Config.” ➔ “DDNS”, and enable the DDNS service.



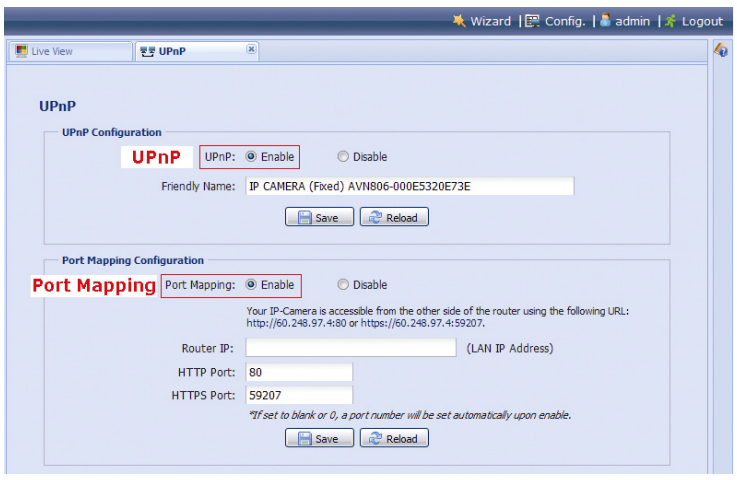
- If your router supports UPnP, please proceed Step5.
- If your router doesn’t support UPnP, note down the host name, such as *MAC000E5320E73E.ddns.eagleeyes.tw*, and click “Save”. Then, access your wireless router for port forwarding as instructed in “APPENDIX 4 CONFIGURE PORT FORWARDING” at page 19.

Step5: Go to “UPnP”, and enable the UPnP service.

Then, enable “Port Mapping”, and click “Save” to start port mapping automatically.

When the configurations are saved successfully, you’ll see a message indicating the IP address and port number assigned to your camera.

Note down the IP address and port number, and log out the camera.



Check your connection

Step1: Connect your laptop / PC to Internet with the wireless network other than the one camera is connected.

Step2: Enter the IP address or host name you just noted down and the port number in the URL address box of the web browser, and see if you can enter the login page of the camera successfully.

The format is "***http://ipaddress:portnum***" or "***http://hostname:portnum***".

1.4.2 Configure on iPhone / iPad

Before configuring this camera on iPhone / iPad, make sure:

- You have installed our mobile program, *EagleEyes-Lite* or *EagleEyes-Plus*, on your iPhone or iPad. For details, please refer to "APPENDIX 2 MOBILE SURVEILLANCE VIA EAGLEEYES" at page 17.

Note: EagleEyes HD for iPad doesn't support network configuration. Please install *EagleEyes-Lite* or *EagleEyes-Plus* on your iPad instead.

- (Recommended) Your wireless router supports UPnP, and this function is enabled.

Note: If your wireless router doesn't support UPnP, you need to additionally access your router for port forwarding. For details, please refer to "APPENDIX 4 CONFIGURE PORT FORWARDING" at page 19.

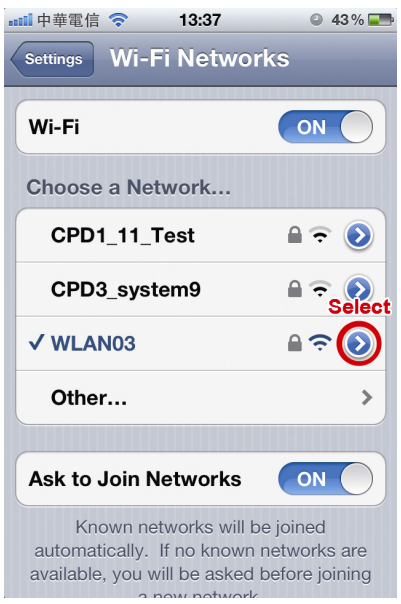
- Your camera is connected to your wireless router with a RJ45 network cable, and it's powered on.

Note: Check (LAN) status indicator is always on, not blinking. If it's blinking, check your RJ45 network cable and ensure it's not disconnected or defect.

- You have checked the IP address used by your wireless router with the camera connected as instructed below, and written it down. You'll need it later.

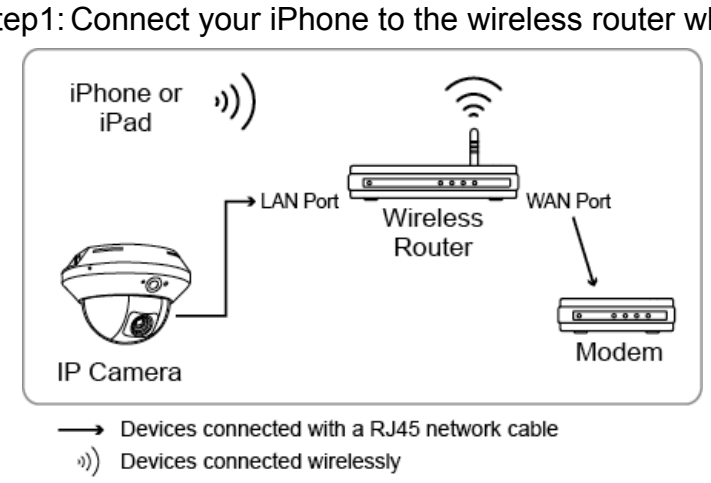
  Connect your iPhone / iPad to the wireless router with cameras connected, and go to "Settings" → "Wi-Fi". Select ">" near the selected wireless network to enter the details.

  The IP address shown in "Router" is the IP address used by your wireless router. In the following example, the IP address of your router is *192.168.2.1*.



Note: This address will be needed when you want to access your router for port forwarding later.

Step1: Connect your iPhone to the wireless router which has the camera connected.



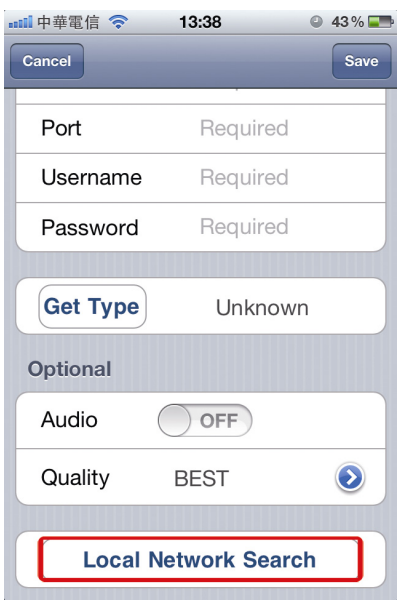
Step2: Open “EagleEyes” on your iPhone or iPad.

In the address book, click “+” to add new device. Then, select “Local Network Search” to search your network camera. You’ll see an IP address assigned by your router.

Note: If you can’t find the camera, make sure your LAN status indicator (🌡) is always on, and search again after 3 minutes.

If you connect two or more cameras to the wireless router, you’ll see many cameras with different IP addresses after searching. To know which camera you’re configuring, you may identify each with its unique MAC address.

Note: The MAC address can be found on the sticker at the bottom side of the camera.

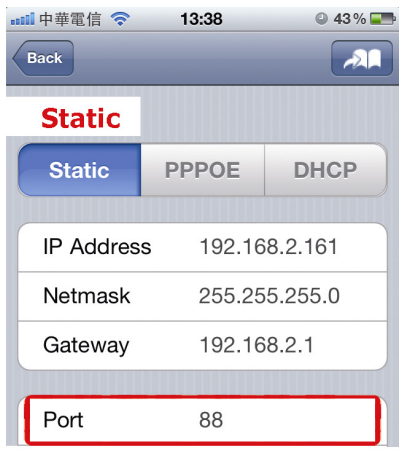


Step3: Select the IP address you want to configure to show the IP address setting page.

Switch the tab from “DHCP” to “Static”.

The default port number is 88. You may change it to any value (such as 8080) if the port number of 88 is blocked.

Then, note down the IP address and port number you see here. You might need them for port forwarding later.

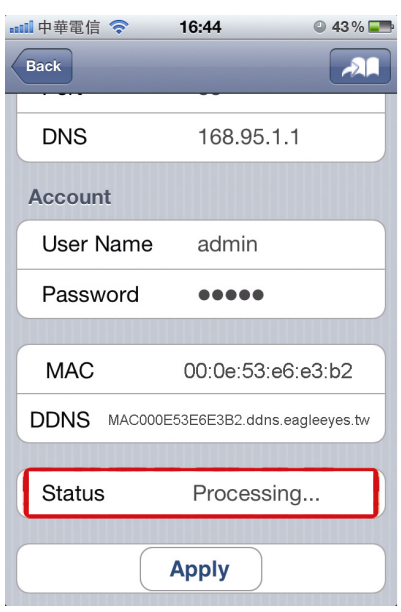


Keep or change the default vlaue, and write it down.

Step4: Select “Apply” to confirm all your changes. Then, wait till you see “**Done**” or “**Fail**” in “Status”.

Regardless which message you see, proceed as instructed below:

- For **Done**, you’ll return to the new device page.
- For **Fail**, select “ ” on the top right side. You’ll later be prompted to select “DDNS” or “Local IP”. Select “DDNS” and return to the new device page.



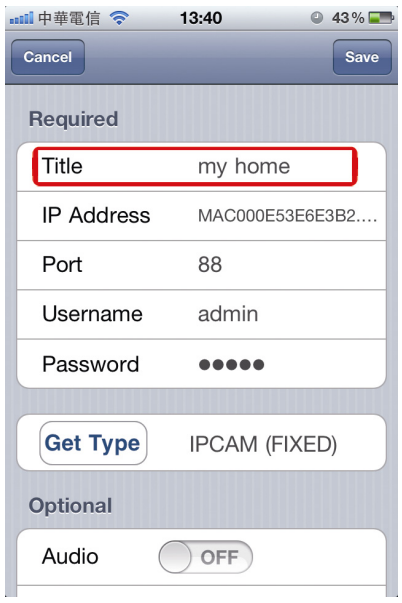
Status Change When Selecting “Apply”:

Processing...

“Done” or “Fail”

Step5: In the new device page, give a meaningful name for this connection in “Title”, and click “Save”.

Please continue with configuring port forwarding as instructed in “APPENDIX 4 CONFIGURE PORT FORWARDING” at page 19.



Check your connection

Step1: Switch the network mode to 3G mode on iPhone or iPad.

Step2: Start EagleEyes, and select the connection you just added to see if you can access the camera successfully.

- If yes, your network setup is successfully.
- If no, go to Step3.

Step3: Switch your network mode to wireless mode on iPhone or iPad.

Step4: Start EagleEyes, and add a new connection with the IP address (e.g. 192.168.2.25) and the port number (e.g. 88). Then, try this connection and see if you can access the camera successfully.

- If yes, go for port forwarding setting as instructed in “APPENDIX 4 CONFIGURE PORT FORWARDING” at page 19.
- If no, return to Step1 in “1.2.2 Configuring on iPhone / iPad” and re-configure the network again.

1.5 Router + Modem

You may use your laptop / PC to complete the network configuration of the camera.

Before configuring this camera on your laptop / PC, make sure:

- Your Windows operating system is Windows 7, Vista or XP.
- (Recommended) Your router supports UPnP, and this function is enabled.

Note: If your wireless router doesn't support UPnP, you need to additionally access your router for port forwarding. For details, please refer to "APPENDIX 4 CONFIGURE PORT FORWARDING" at page 19.

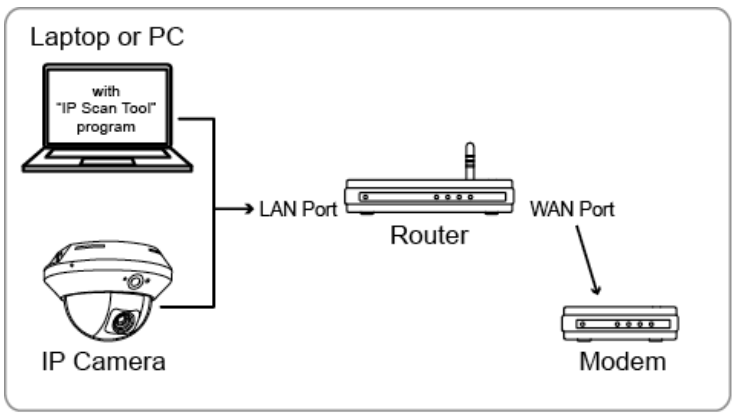
- You have noted down the IP address of your router.

Note: For details, please refer to the user manual of your router, or check with your installer.

- You have downloaded "IPScan.exe" in your laptop / PC.

Note: Please download "IPScan.exe" from www.surveillance-download.com/user/m328a.swf.

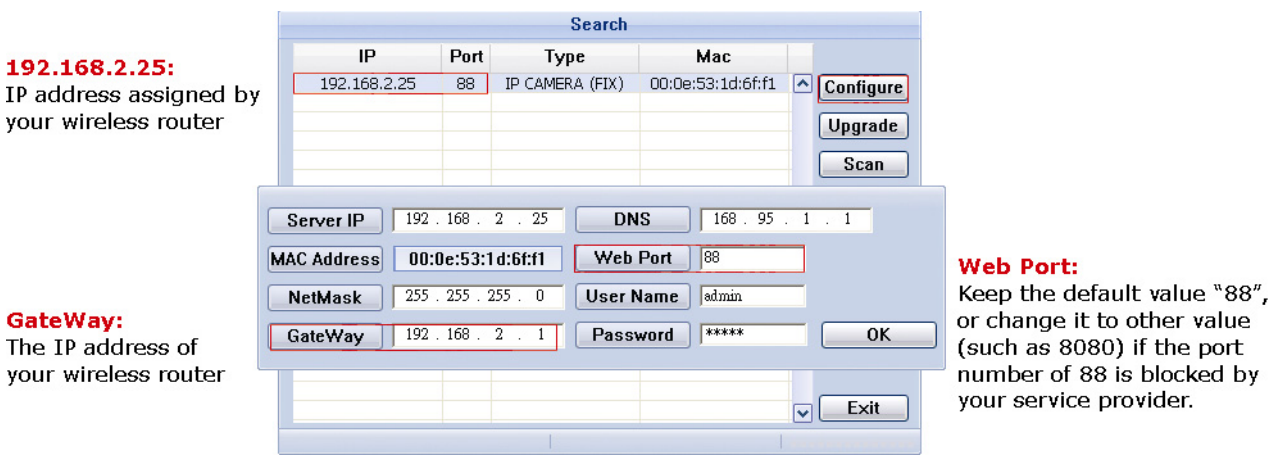
Step1: Connect your laptop / PC to the router.



Step2: Open "IPScan.exe" (🔍) to search your camera, and:

- Note down the IP address and port number after search, such as "192.168.2.25" and "88" in our example.
- Select the IP address, and click "Configure" to note down the gateway IP address. It's the address of your wireless router, and you might need it later for port forwarding.
- Change the port you're using for this camera to other value (such as "8080") in "Web Port" if you know the default port number "88" is blocked by your Internet service provider or phone carrier. Then, enter the user name (admin) and password (admin) to confirm.

  The number of "80" is not recommended to use since some Internet service providers and phone carriers might block the use of "80".



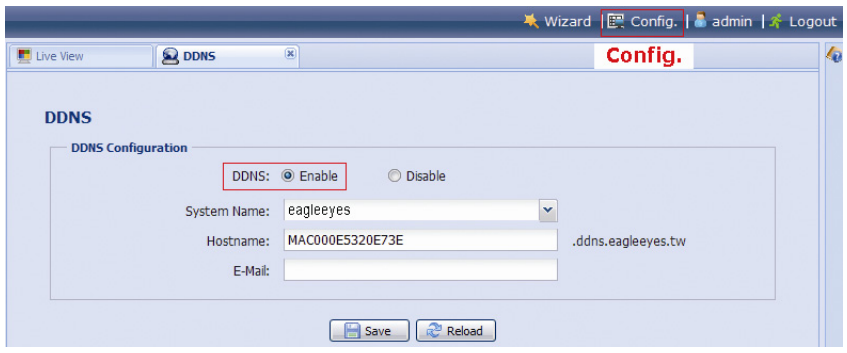
Step3: Open Internet Explorer on your laptop / computer, and enter the IP address and port number you just found in the URL column to access this camera.

The format is http://ipaddress:portnum, such as http://192.168.2.25:88 in our example.

In the login page, enter the user name, password, and security code to access.

Note: Please skip the wizard.

Step4: Go to “Config.” ➔ “DDNS”, and enable the DDNS service.



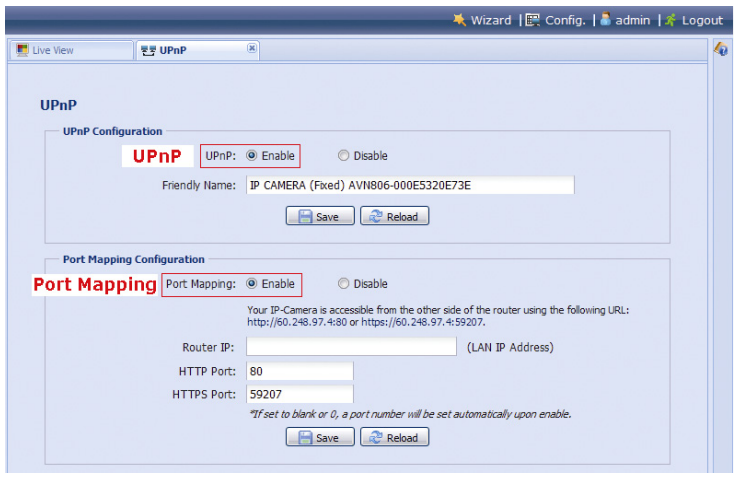
- If your router supports UPnP, please proceed Step5.
- If your router doesn’t support UPnP, click “Save”, and access your router for port forwarding as instructed in “APPENDIX 4 CONFIGURE PORT FORWARDING” at page 19.

Step5: Go to “UPnP”, and enable the UPnP service.

Then, enable “Port Mapping”, and click “Save” to start port mapping.

When the configurations are saved successfully, you’ll see a message indicating the IP address and port number assigned to your device.

Note down the IP address and port number, and log out the camera.



Check your connection

Step1: Open your web browser, e.g. Internet Explorer.

Step2: Enter the IP address or host name you just noted down and the port number in the URL address box of the web browser, and see if you can access the login page of the camera successfully.

The format is “***http://ipaddress:portnum***” or “***http://hostname:portnum***”.

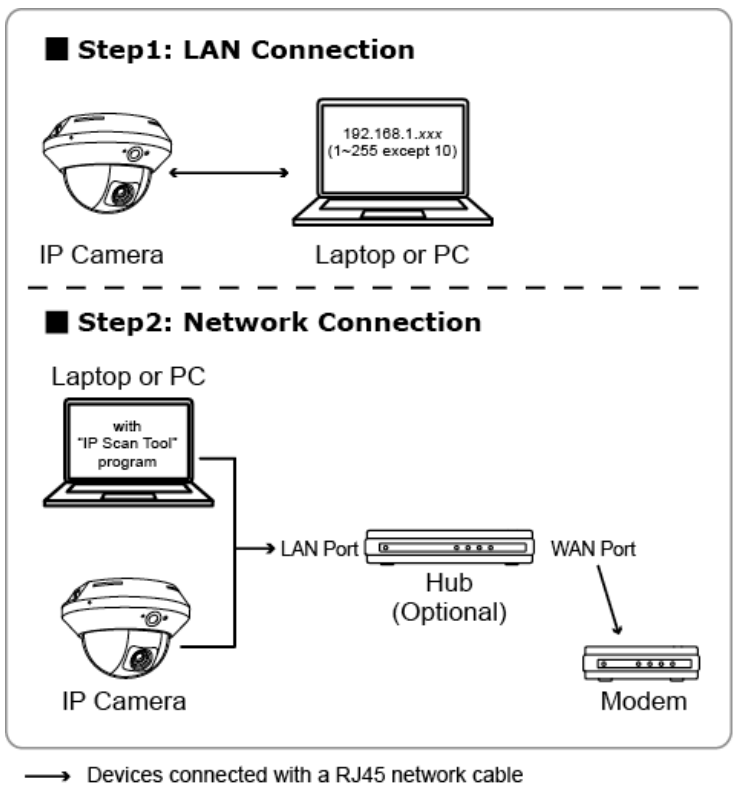
1.6 Modem / Hub + Modem

You may use your laptop / PC to complete the network configuration of the camera.

Before configuring this camera on your laptop / PC, make sure:

- Your Windows operating system is Windows 7, Vista or XP.
- You have changed the IP address of your laptop / PC to "**192.168.1.*xxx***", where ***xxx*** could be 0~255 except 10.

Note: To know how to change the IP address of your laptop / PC, please refer to "APPENDIX 1 CHANGE IP ADDRESS OF YOUR LAPTOP / PC" at page 14.



Step1: Disconnect your laptop / PC from the hub or modem, and connect it to this camera with a network cable.

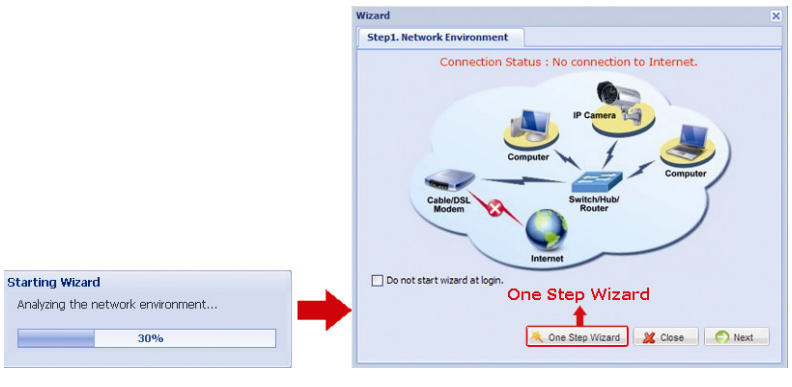
Note: Make sure the IP address of your laptop / PC is changed to "**192.168.1.*xxx***" (1~255 except 10). To know how to change, please refer to "APPENDIX 1 CHANGE IP ADDRESS OF YOUR LAPTOP / PC" at page 14.

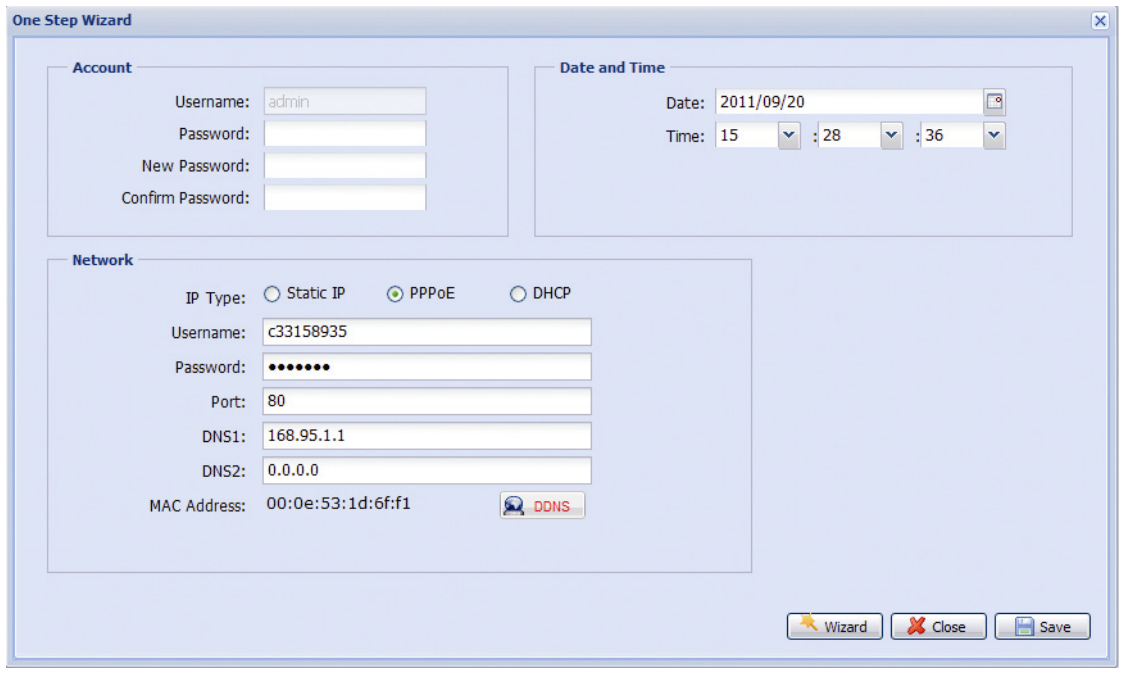
Step2: Open the web browser, such as Internet Explorer, on your laptop / PC, and enter "http://192.168.1.10:88" on the URL column to access this camera.

In the login page, enter the user name, password, and security code to access.

Note: The default user name and password for remote access are both "**admin**".

Step3: The wizard starts to analyze your network environment. When it's completed, select "One Step Wizard" to enter the quick camera setting page.





Item	Description
Account	Change your default account password if needed. This change can also be made in “Config.” ➔ “General” ➔ “Account”.
Date and Time	Check and select the current date and time.
Network	Configure your network setting based on the network type you’re using. For details, please refer to the next step.

Step4: In “Network”, configure the network setting of your camera based on the network type you’re using. There’re three types: Static IP, PPPOE and DHCP.

For Static IP:

a) Enter the information of “Server IP”, “Gateway” and “Net Mask” obtained from your ISP (Internet Service Provider).
b) Enter the port number. The valid number ranges from 1 to 9999. The default value is 88.
c) Click “Save” to save your network configurations, and log out.
d) Disconnect your camera and your PC, and connect them to Internet separately. Then, enter the IP address you just note down in the URL address box of the web browser, and see if you can access the camera successfully.

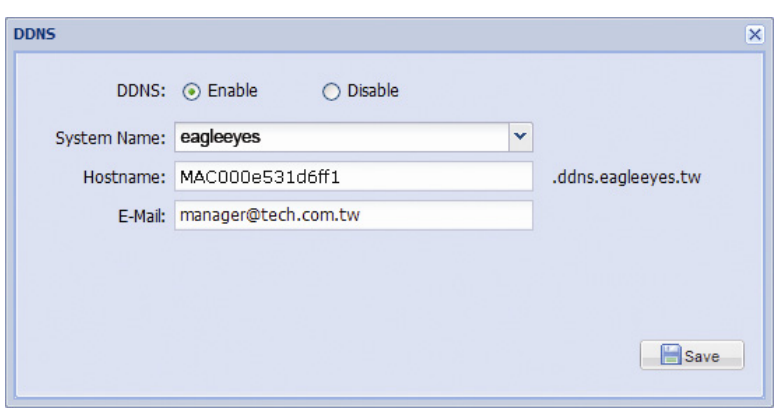
For PPPOE:

a) Enter the user name and password obtained from your ISP, and click “Save”.
b) Continue the DDNS setting as instructed in Step5.

For DHCP:

a) Before selecting this option, you need to finish the DHCP router settings first.
b) Get a router and connect it to the Internet via your PC (with Static IP or PPPoE setting). There are different setting methods for different routers. Please refer to their respective user manuals.
c) Continue the DDNS setting as instructed in Step5.

Step5: (Optional) Click “DDNS” (DDNS) to continue setting for PPPOE and DHCP.



a) Enable DDNS.
b) Select “eagleeyes” in “System Name”.
c) In “Hostname”, keep the default value, i.e. the MAC address of this camera. Then, note down the whole address of the camera, for example, *MAC000e531d6ff1.ddns.eagleeyes.tw*.
d) (Optional) Enter your email address to receive messages from the DDNS server.

Note: Please at least use the default address to access your network camera remotely once. This is to ensure our DDNS server has your camera registered. Then, you may change the host name to a more meaningful name to memorize later here.

e) Click “Save”, and log out.

Check your connection

Step1: Disconnect your camera and your laptop / PC, and connect them to Internet separately.

Note: If you changed the IP address of your laptop / PC for LAN connection, remember to restore it back for Internet access to work properly.

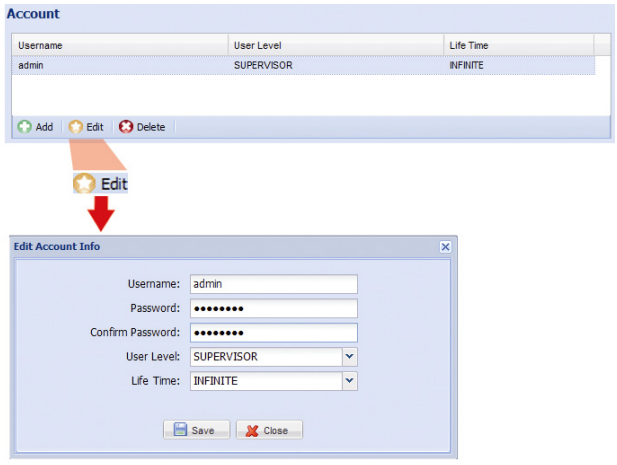
Step2: Enter the host name you just noted down and the port number in the URL address box of the web browser, and see if you can access the login page of the camera successfully.
The format is “***http://hostname:portnum***”.

1.7 Change Default Account

To ensure your account safety, please access the camera after network configuration to change the default user name and password with new one you prefer.

1.7.1 From Web Browser

Log into the camera, and select “Config.” → “General” → “Account”.
Select the default account “admin”, and click “Edit” to change the default password.



1.7.2 From iPhone / iPad

Log into the camera, and click “  ” on the top right corner to enter the system configuration page.

Select “Advance Setup” → “Account”. Then, select the default account “admin”, and click “Edit” to modify the default password.

2. BEFORE YOU START TO USE

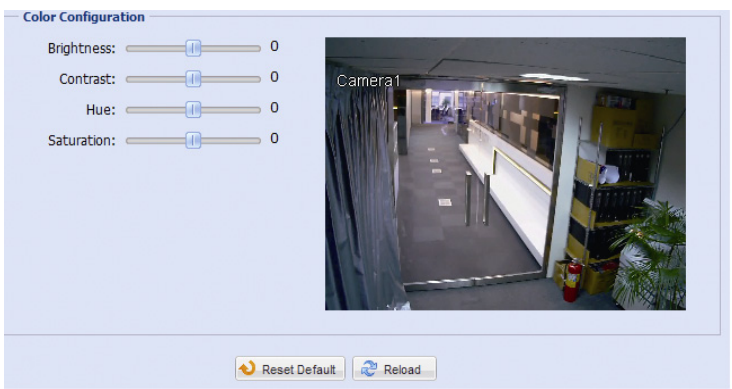
After you finish network configurations, it's recommended to adjust the video images if needed.

Below assumes you're using Internet Explorer to access the camera.

Note: For iPhone users, please access the camera, and select on the top right corner of the live view to enter the configuration page.

To slightly adjust the color of the video, in the live page of your web browser, click "Config" on the top right side of the browser to open the configuration page.

Then, click "Camera" → "Color" to adjust the brightness / contrast / hue / saturation of the video images, as shown below.



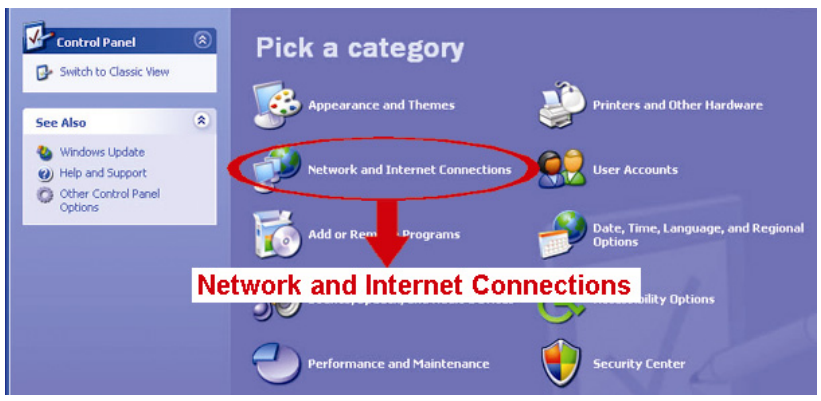
APPENDIX 1 CHANGE IP ADDRESS OF YOUR LAPTOP / PC

For LAN connection with this network camera, you need to change the IP address of your laptop / PC to ***192.168.1.xxx*** (1~255, except 10) first.

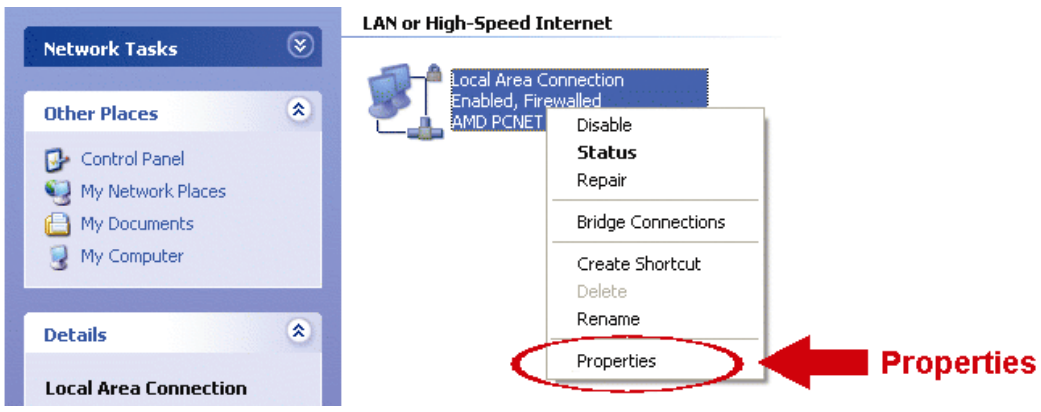
Note: Before changing the IP address, make sure you note down the original IP address setting of your laptop / PC. You need to restore the IP address setting when you complete the network configuration of this camera.

For Windows XP users:

a) Select “start” → “Control Panel” → “Network and Internet Connections” → “Network Connections” (If you’re in “Category View”).



b) In “LAN or High-Speed Internet”, right-click on “Local Area Connection”, and select “Properties”.



Note: If your local area connection is not enabled, please also enable it.

c) In the “General” tab, select “Internet Protocol (TCP/IP)”, and select “Properties”.

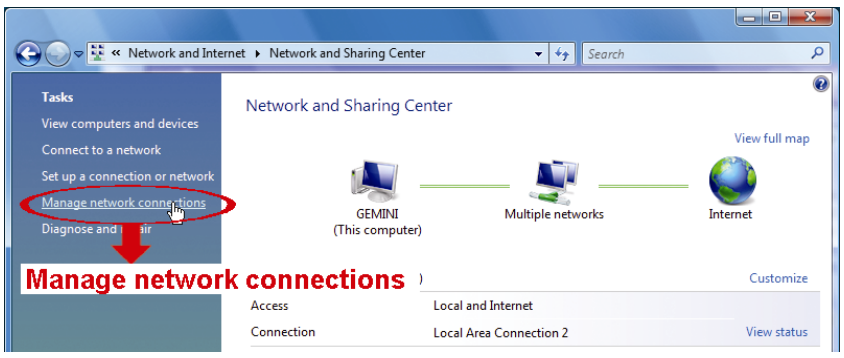
d) In the “General” tab, select “Use the following IP address”, and set the IP address to “192.168.1.XXX” (XXX can be any value from 1~255 except 10).

Note: It’s recommended to note down the current settings first and then change as instructed. It’s helpful when you need to restore the PC network settings for connecting to Internet later.

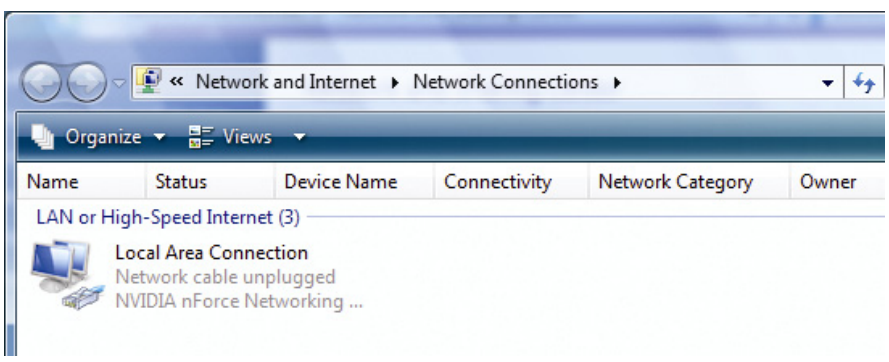
e) Click “OK” to close the “Internet Protocol (TCP/IP) Properties” dialog box. Then, click “Close” to close the “Local Area Connection Properties” dialog box.

For Windows Vista users:

a) Select "  " (start) → "Control Panel" → "Network and Internet" to enter the "Network and Sharing Center". Then, click "Manage network connections" (If you're in "Category View").



b) Right-click on "Local Area Connection", and select "Properties".

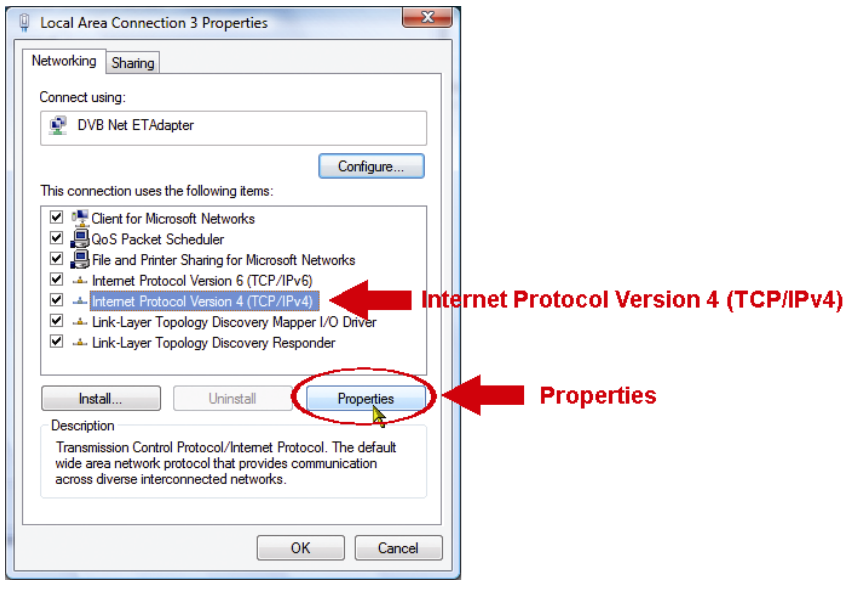


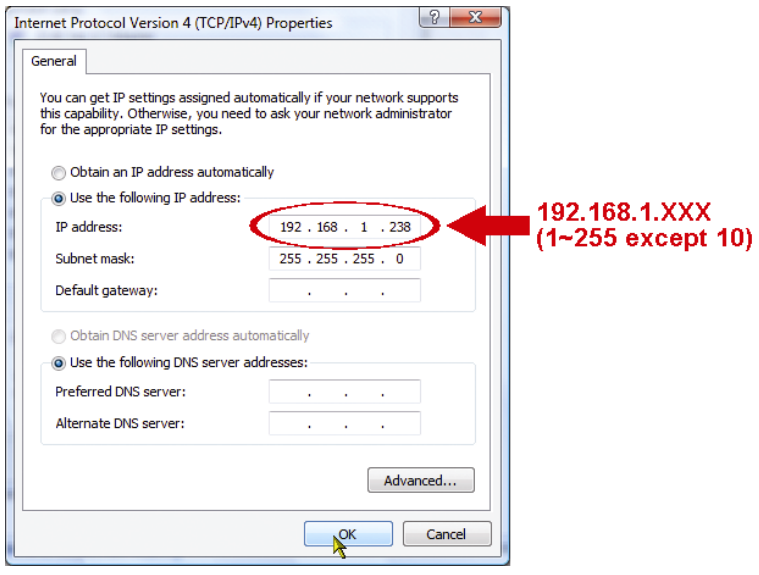
Note: If your local area connection is not enabled, please also enable it.

c) In the "Networking" tab, select "Internet Protocol Version 4 (TCP/IPv4)", and select "Properties".

d) In the "General" tab, select "Use the following IP address", and set the IP address as described below.

Note: It's recommended to note down the current settings first and then change as instructed. It's helpful when you need to restore the PC network settings for connecting to Internet later.

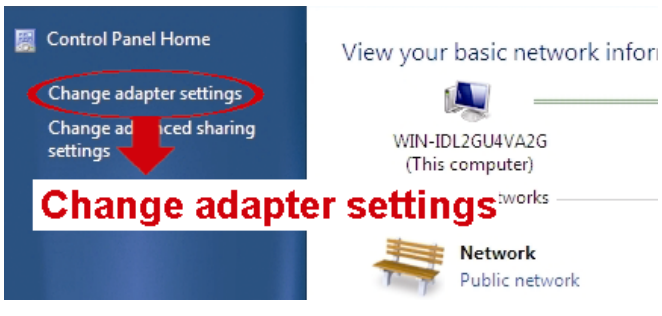




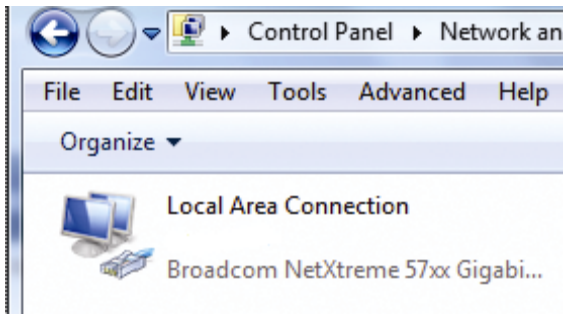
e) Click "OK" to close the "Internet Protocol Version 4 (TCP/IPv4) Properties" dialog box. Then, click "Close" to close the "Local Area Connection Properties" dialog box.

For Windows 7 users:

a) Select "  " (start) → "Control Panel" → "Network and Internet" to enter the "Network and Sharing Center". Then, click "Change adapter settings".



b) Right-click on “Local Area Connection”, and select “Properties”.

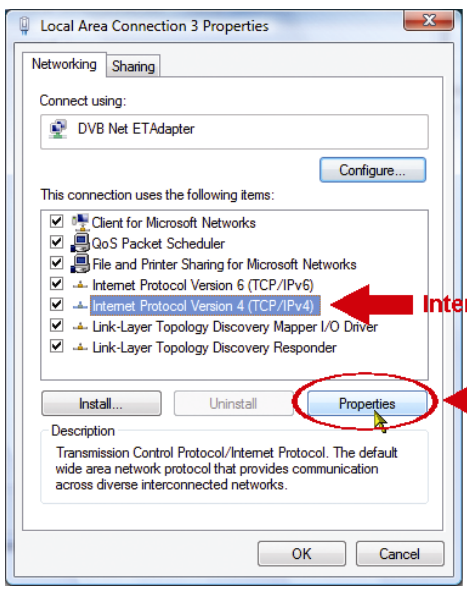


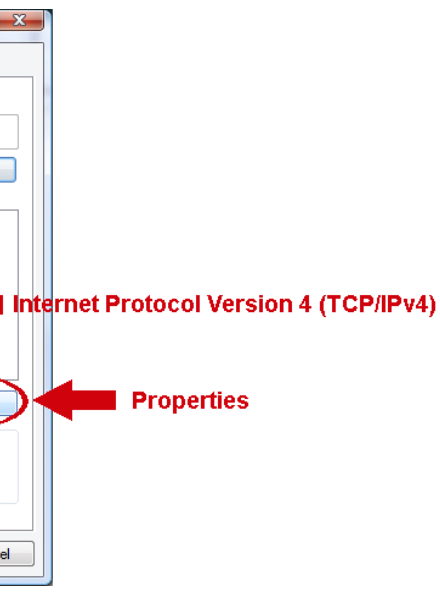
Note: If your local area connection is not enabled, please also enable it.

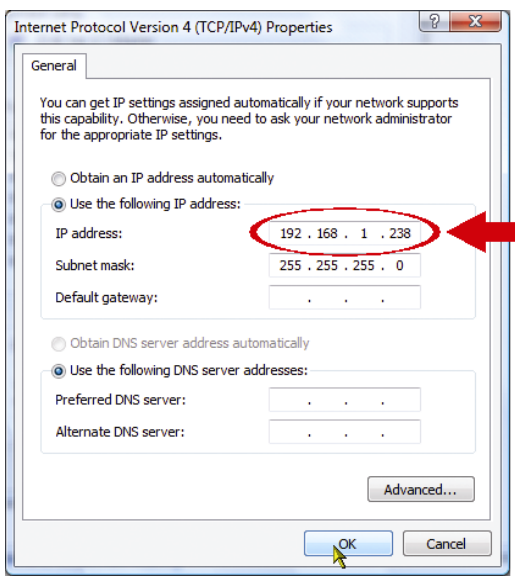
c) In the “Networking” tab, select “Internet Protocol Version 4 (TCP/IPv4)”, and select “Properties”.

d) In the “General” tab, select “Use the following IP address”, and set the IP address as described below.

Note: It’s recommended to note down the current settings first and then change as instructed. It’s helpful when you need to restore the PC network settings for connecting to Internet later.







e) Click “OK” to close the “Internet Protocol Version 4 (TCP/IPv4) Properties” dialog box. Then, click “Close” to close the “Local Area Connection Properties” dialog box.

APPENDIX 2 MOBILE SURVEILLANCE VIA EAGLEEYES

EagleEyes is a mobile phone program used with our surveillance system for remote surveillance. It has several advantages:

- It's free (Except *EagleEyes Plus* for iPhone).
- It's compatible with several popular mobile platforms, such as iPhone, iPad and Android.

It's easy to download, install and configure. For more details about configuring and operating this program, please visit our official website www.eagleeyescctv.com.

A2.1 Prerequisites

Before installing EagleEyes to your mobile phone for remote surveillance, make sure you have checked the following:

- ✓ Your mobile platform is iPhone, iPad & Android.
- ✓ Mobile Internet services are subscribed and available to use for your mobile phone.

Note: You might be charged for Internet access via wireless or 3G networks. For the Internet access rate details, please check with your local network operator or service provider.

- ✓ You have noted down the IP address, port number, user name and password used to access your network camera from Internet.

A2.2 Where to download

Connect to www.eagleeyescctv.com from your mobile phone, and sign in.

Note: Please **DO NOT** try to download EagleEyes from your computer.

Then, select "Software" and the mobile platform of your phone to download *EagleEyes* to your phone.

- For Android & iPad, select the download link from the website to start downloading.
- For iPhone, two versions of EagleEyes are available:
  -- EagleEyes Plus (US$4.99), and
  -- EagleEyes Lite (Free).

  Select the version you want, and you'll be directed to "App Store" to download the application.

Note: You can also find *EagleEyes* on "App Store" from your iPhone. Go to "App Store", and select "Search". Enter the keyword "eagleeyes" to find and download the version you want.

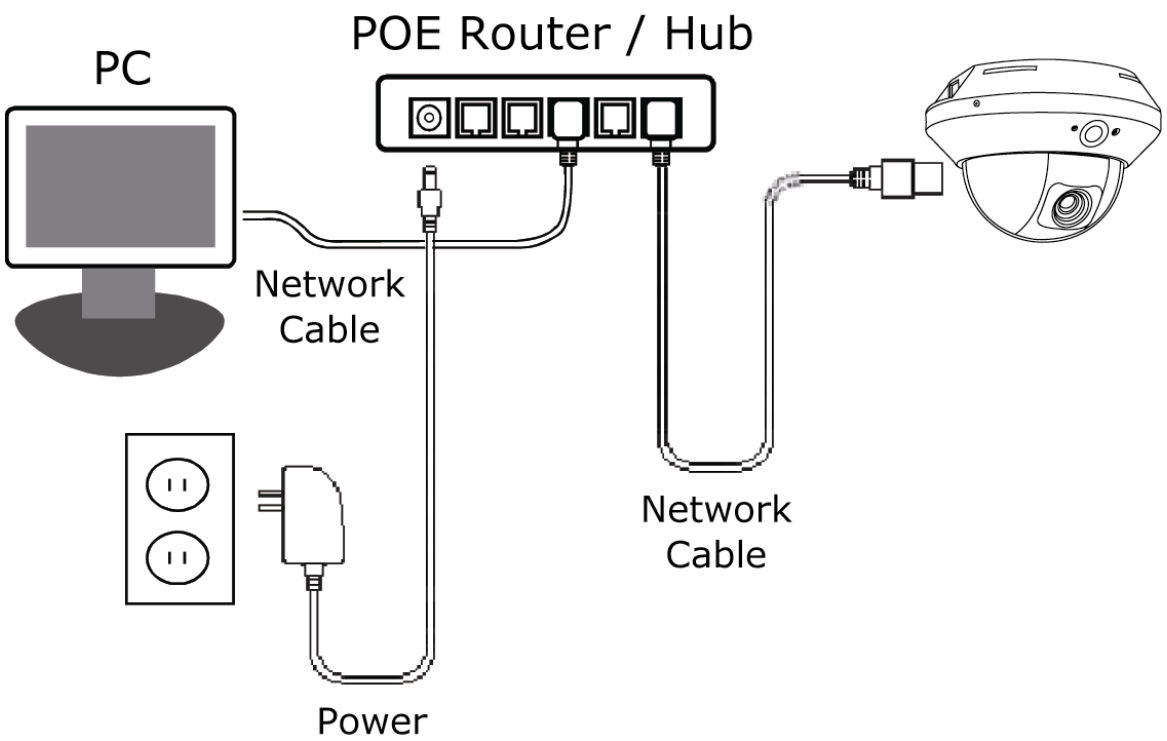
When the download is completed, *EagleEyes* will be installed automatically to the location where all applications are saved in your phone by default, or where you specify.

Note: For more details about configuring and operating this program, please visit our official website www.eagleeyescctv.com.

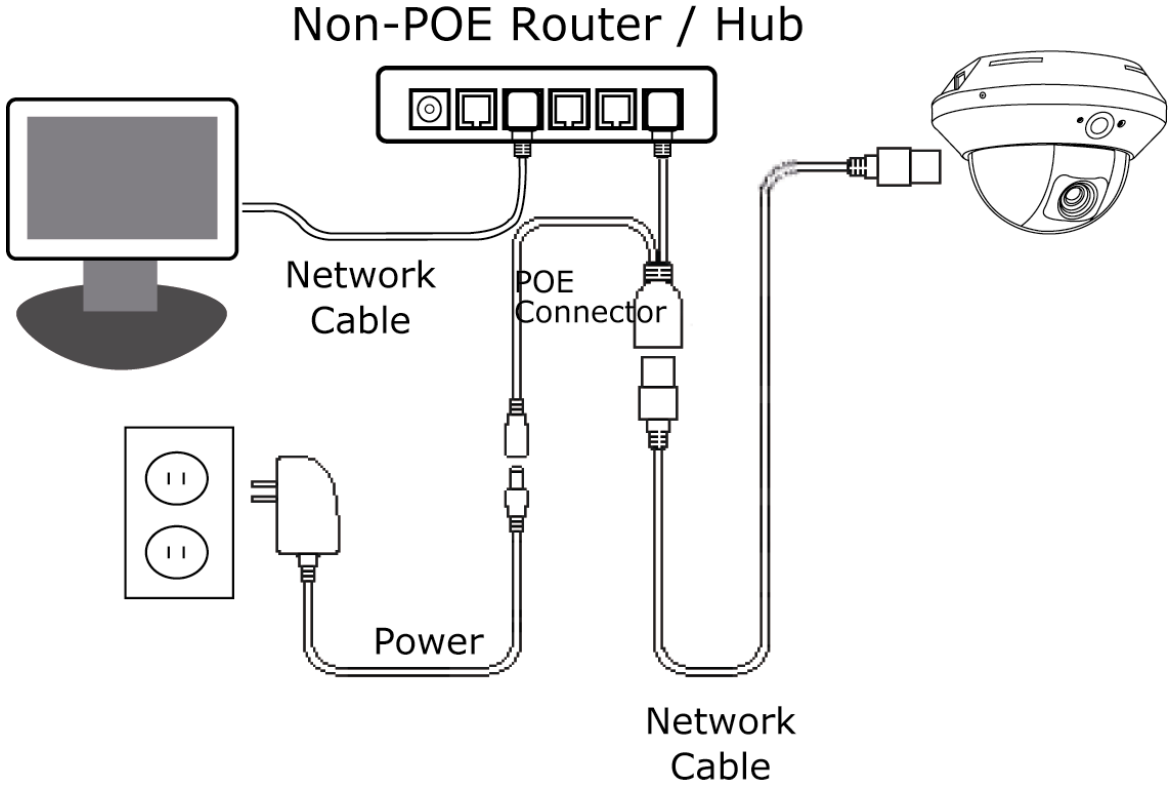
APPENDIX 3 POE CONNECTION

This device supports PoE (Power-over-Ethernet), developed by the IEEE802.3af task force, and power can be supplied over the same network (Ethernet) cable as the one used to connect to Internet. No power cable is needed. Below shows two examples of POE application for reference.

- When your router / hub supports POE connection



- When your router / hub doesn't support POE connection (An optional POE connected required)



APPENDIX 4 CONFIGURE PORT FORWARDING

You need to additionally access your router for port forwarding when your router doesn't support UPnP. Each router has different setting page. Here we're taking D-Link wireless router as an example.

Step1: Access your router for port forwarding.

- If you're configuring the camera with laptop / PC or iPhone / iPad over wireless network, open your web browser, e.g. Internet Explorer or Safari, and enter the IP address of your router.
- If you're configuring camera with laptop / PC over LAN, disconnect the camera and connect to your router. Then, open your browser, e.g. Internet Explorer, and enter the IP address of your router.

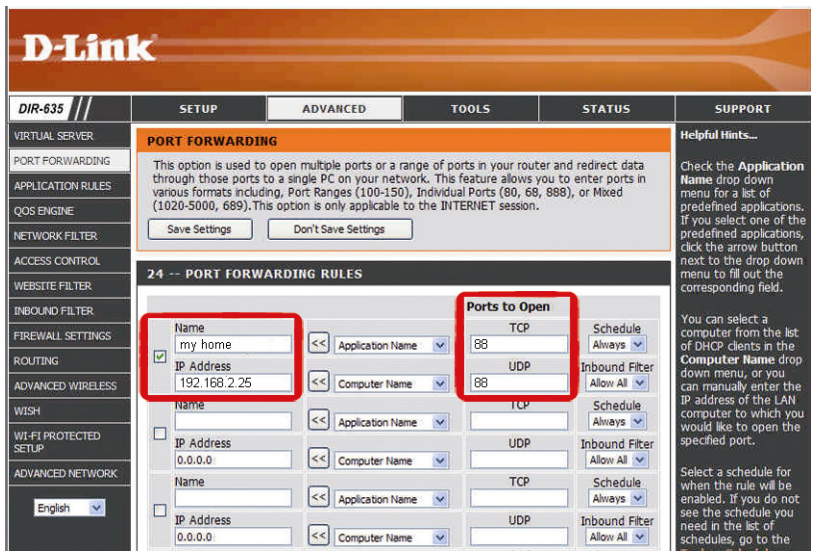
Step2: In the router setting interface, go to the port forwarding (or virtual server) rule configuration page.

Note: The naming of port forwarding or virtual server may vary based on different router brands. To know where it is, please refer to the user manual of your router.

Then, enter the IP address and port number you set for the camera, and enable this rule.

Take D-Link router as an example:

Go to "ADVANCED" → "PORT FORWARDING".



IP Address:	The IP address of the camera, such as *192.168.2.25*.
Ports to Open:	The port number you set for the camera.

APPENDIX 5 Q&A

For more details about EagleEyes Q&A, please visit our official website: www.eagleeyescctv.com/supp_QnA.aspx.

Question	Answer
I can connect to this camera in my house or office where it's installed with wireless network. But when I leave my house or office, I can't connect to it from my mobile phone (with 3G network), or other PC (connected to Internet). Why?	You didn't configure this camera to Internet, but only in LAN. Please follow the steps in the advanced network setup guide to complete network configurations, or it's recommended for you to check with your local installer or reseller for this service because it's usually hard for a person who doesn't have network knowledge to set network configurations.
My live images are not fluent. Why?	Image fluency could be affected by the local network upload bandwidth, router efficiency, client network download bandwidth, complexity of live view, and more. (Recommended) To have the best image fluency, select QVGA; to have the best image quality, select "SXVGA"; to have normal image fluency and quality, select "VGA".
The live video keeps flickering. Why?	Please try adjusting the power line frequency to "60 Hz" or "50 Hz" for the camera. For iPhone users, access the camera, and select "  " on the top right corner to enter IPCAM Configuration page. Then, go to "Advance Setup" → "Camera" to change setting. For access from Internet Explorer, log into the camera, and select "Config." → "Camera" → "Video".

ETS | Event Trigger System

百萬畫素
網路攝影機系列

進階網路設定指南

在使用本機前請務必詳細閱讀安全須知及操作說明，並保存此手冊以備後續參考。

安全須知

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本裝置符合低功率電波輻射性規範，請使用者遵循相關電信法規。

FCC (Federal Communications Commission) 聲明

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device mat not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

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Android™ 是 Google Inc. 的商標。此商標的使用必須依 Google Permissions 的規定使用。

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The GPL Code used in this product is released without warranty and is subject to the copyright of the corresponding author.

Further source codes which are subject to the GPL-licenses are available upon request.

We are pleased to provide our modifications to the Linux Kernel, as well as a few new commands, and some tools to get you into the code. The codes are provided on the FTP site, and please download them from the following site or you can refer to your distributor:

http://download.dvrtw.com.tw/GPL/IPCAM/F-Seriers/linux.tar.gz

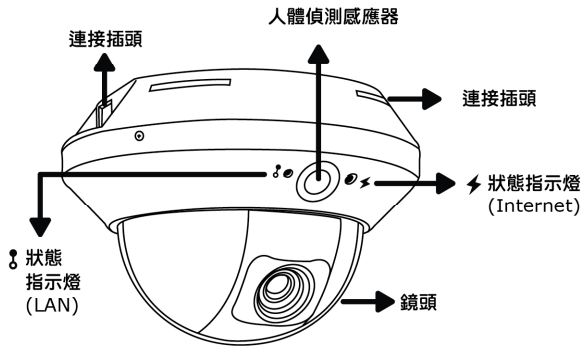
目錄

1. 攝影機網路設定

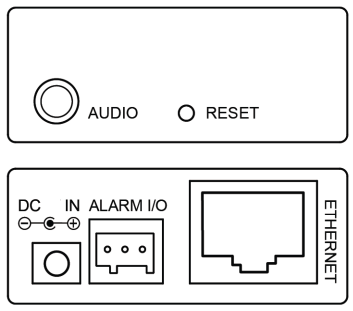
請依下方指示架設攝影機並完成網路設定。依照不同的網路環境，您可透過筆電 / 桌機或 iPhone® / iPad® 來設定攝影機的網路連線。

1.1 攝影機外觀

攝影機外觀



連接插頭

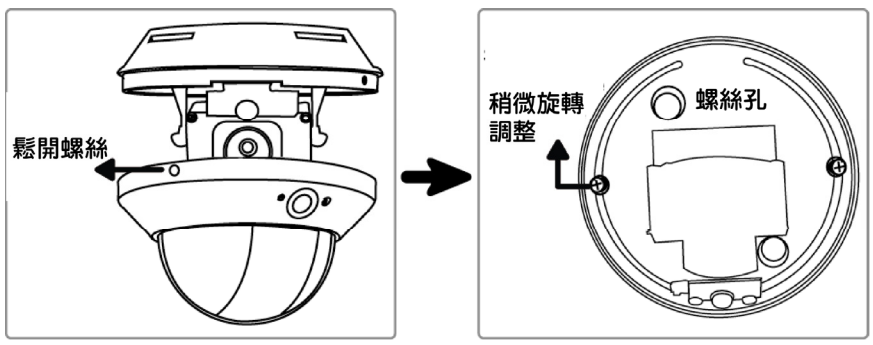


1.2 攝影機組裝與架設

步驟 1：鬆開攝影機的三個螺絲，以拿掉圓頂外蓋。

步驟 2：確認螺絲孔是否與攝影機底座上的孔相符合。

註：如不符合，稍微鬆開板上的兩個螺絲以旋轉調整。

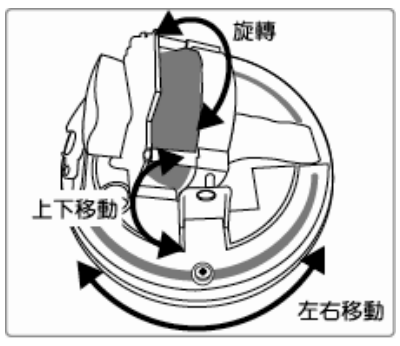


步驟 3：將兩個螺絲孔在天花板或牆壁上的位置作記號，在天花板或牆壁上鑽孔。

註：攝影機架設位置和監視範圍需距離 3 ~ 4 公尺，以利於內建的人體偵測功能正常運作。

步驟 4：使用隨附的螺絲將攝影機固定在天花板或牆壁上。

步驟 5：上下左右移動或旋轉鏡頭調整攝影機位置與視角後，再將兩個螺絲鎖上固定。



註：請勿調整攝影機鏡頭到過高或過低的位置，否則會遮蔽到部分的 IR LED 或是圓頂外蓋無法放回。

步驟 6：將圓頂外蓋裝回攝影機。

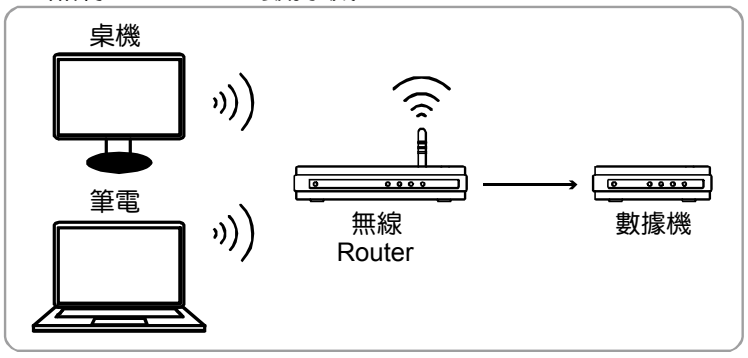
註：在放回攝影機外蓋前，請先查看外蓋是否有髒污，以確保攝影機畫面清晰。

步驟 7：將攝影機插上電源。

此攝影機支援 POE 功能。更多 POE 功能細節，詳請請參閱第 22 頁的「附錄 3 連接 POE 功能 」。

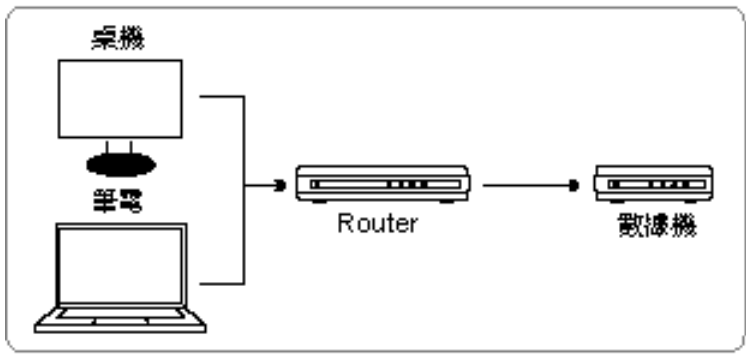
1.3 您是如何將筆電 / 桌上型電腦連線上網？

1. 無線 Router + 數據機

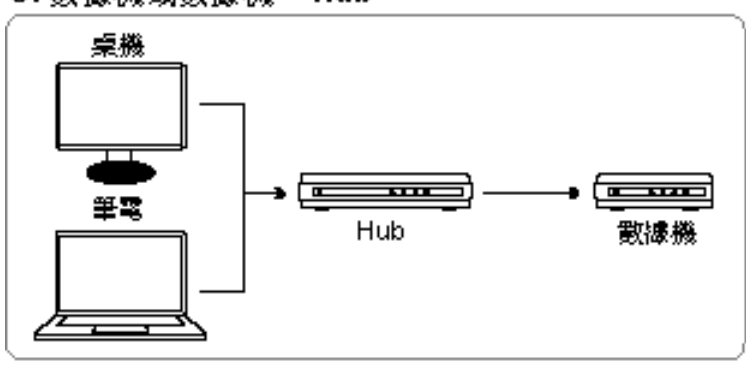


⟶ 使用 RJ45 網路線相連接
))) 使用無線網路相連接

2. Router + 數據機



3. 數據機或數據機 + Hub



⟶ 使用 RJ45 網路線相連接

確認您的上網方式後，找一條網路線將此攝影機直接連到您的無線 Router / Router / Hub / 數據機，然後將攝影機上電開機。

註： 檢查（LAN）狀態指示燈是否爲恒亮（沒有閃爍)。若此指示燈在閃爍，請檢查您的 RJ45 網路有沒有接好或壞掉。

若您的上網方式爲：

- 無線 Router + 數據機，請參閱第 7 頁的「1.4 無線 Router + 數據機」。
- Router + 數據機，請參閱第 11 頁的「1.5 Router + 數據機」。
- 數據機，或數據機 + Hub，請參閱第 15 頁的「1.6 數據機 / Hub + 數據機」。

爲確保您的帳號安全，建議您變更預設帳號設定。詳情請參閱第 15 頁的「1.7 變更帳號密碼」。

1.4 無線 Router + 數據機

您可以透過筆電 / 桌上型電腦，也可以使用 iPhone / iPad 來完成此攝影機的網路設定。

1.4.1 使用筆電 / 桌上型電腦進行設定

在使用筆電 / 桌上型電腦進行設定之前，請先確認：

- 您的 Windows 作業系統爲 Windows 7、Vista 或 XP。
- (建議使用) 您的無線 Router 支援 UPnP，而且此功能已開啓。

註： 若您的無線 Router 不支援 UPnP，您就必須另外進入 Router 設定「服務埠轉傳」(port forwarding)。詳情請參閱第 23 頁的「附錄 4 設定服務埠轉傳 (PORT FORWARDING)」。

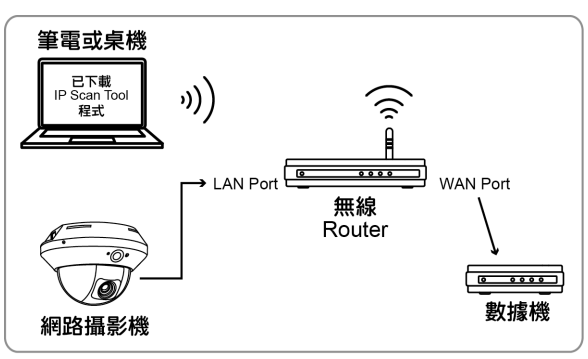
- 您已查看並記下 Router 使用的 IP 位址，以及其他連到此 Router 的裝置所使用的 IP 位址和埠號。

註： 詳情請參閱您使用的無線 Router 使用說明書，或者洽詢您的安裝商。

- 您的筆電 / 桌上型電腦已下載 IPScan.exe。

註： 請至 http://www.surveillance-download.com/user/m328a.swf 下載 IPScan.exe。

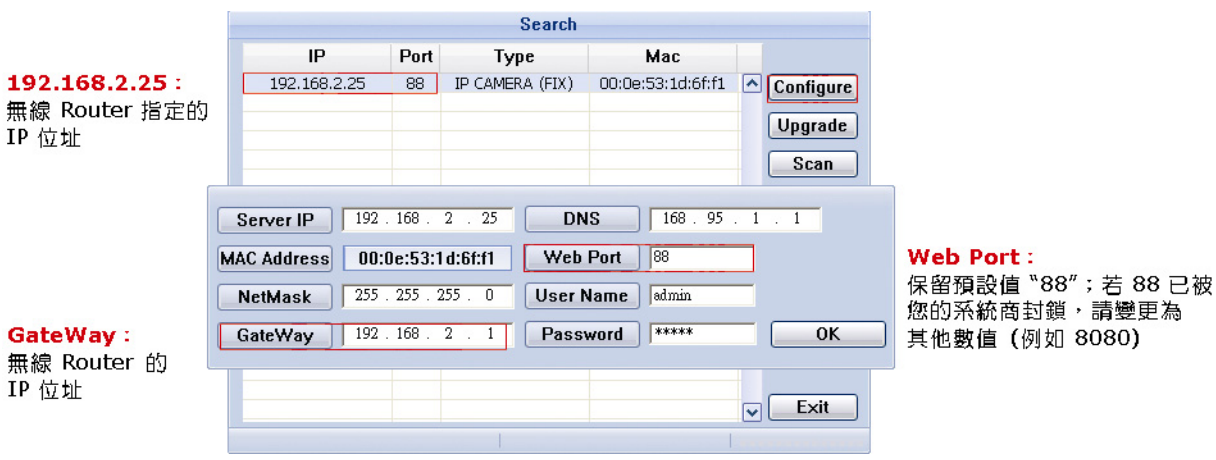
步驟 1： 將您的筆電 / 桌上型電腦連線到攝影機連上的無線網路。



步驟 2：開啓 IPScan.exe (🔍) 搜尋您的攝影機，然後：

- 搜尋到攝影機後，記下該 IP 位址和埠號。如上例，位址爲 192.168.2.25、埠號 88。設定
- 選取一組 IP 位址，然後按 [Configure] 並記下 Gateway 位址。此爲您無線 Router 的位址，稍後在 port forwarding 時可能需要用到。
- 變更攝影機的埠號預設值。在 [Web Port] 的欄位內，您可以變更埠號 (如 8080)，如果當電信業者封鎖預設埠號 88。最後輸入攝影機的使用者名稱和密碼後，確認變更。預設的使用者名稱和密碼皆爲 admin。

  不建議使用埠號 80，電信業者有可能封鎖埠號 80 的使用。



步驟 3：在您的電腦開啓 Internet Explorer，然後輸入您剛剛設定好的 IP 位址來登入攝影機。

網址爲：http://ipaddress:portnum；依照上例爲：http://192.168.2.25:88。

在登入頁面中，輸入攝影機的使用者名稱 (admin)、密碼 (admin) 和驗證碼。

註： 請忽略設定精靈。

步驟 4：選擇 [系統設定] ➔ [DDNS]，然後啓用 DDNS 服務。

- 若您的 Router 有支援 UPnP，請繼續進行步驟 5。
- 若您的 Router 沒有支援 UPnP，請記下主機名稱，例如：MAC000E5320E73E.ddns.eagleeyes.tw，然後選擇 [儲存]。接著，請依第 23 頁「附錄 4 設定服務埠轉傳 (PORT FORWARDING)」的指示，另外登入到您的無線 Router 來進行「服務埠轉傳」(port forwarding) 的設定。

步驟 5：選擇 [UPnP]，然後啓用 UPnP 服務。

接著，啓用 [埠號轉址]，然後選擇 [儲存] 開始自動進行轉址設定。

當設定成功時，您會在此頁面看到分配給此攝影機的 IP 位址和埠號。

將 IP 位址和埠號記下，並登出攝影機。

檢查連線

步驟 1：將電腦連線到其他無線網路 (非攝影機連接的同一個無線 Router)。

步驟 2：在網路瀏覽器的網址列輸入您剛剛記下的 IP 位址或主機名稱，看是否能成功進入此攝影機的登錄頁面。

格式爲 **http://ip 位址:埠號**或者 **http://主機名稱:埠號**。

1.4.2 使用 iPhone / iPad 進行設定

在使用 iPhone / iPad 進行設定之前，請先確認：

- 您的 iPhone 或 iPad 已安裝 *EagleEyes-Lite* 或 *EagleEyes-Plus* 行動監控程式。詳情請參閱第 21 頁的「附錄 2 EAGLEEYES 行動監控」。

註： iPad 專用的 EagleEyes HD 並不支援網路設定。若要使用 iPad 做設定，請改安裝 *EagleEyes-Lite* 或 *EagleEyes-Plus*。

- (建議使用) 您的無線 Router 支援 UPnP，而且此功能已開啓。

註： 若您的無線 Router 不支援 UPnP，您就必須另外進入 Router 設定「服務埠轉傳」(port forwarding)。詳情請參閱第 23 頁的「附錄 4 設定服務埠轉傳 (PORT FORWARDING)」。

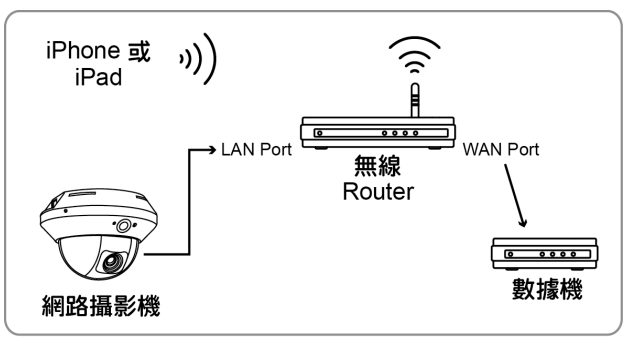
- 攝影機已使用 RJ45 網路線接到您的無線 Router，而且攝影機已上電開機。

註： 檢查 (LAN) 狀態指示燈是否爲恒亮 (沒有閃爍)。若此指示燈在閃爍，請檢查您的 RJ45 網路有沒有接好或壞掉。

- 您已依以下指示查看並記下攝影機所連接到的無線 Router 所使用的 IP 位址。您等等會需要此資訊。
  將 iPhone / iPad 連線到攝影機所連接的無線 Router，然後選擇 [設定] → [Wi-Fi]。選取 iPhone / iPad 連線到的無線網路旁的 [>] 進入詳細資訊頁面。
  在 [路由器] 一欄顯示的 IP 位址，即爲此無線 Router 使用的 IP 位址。以下列圖示爲例，Router 的 IP 位址爲 *192.168.2.1*。

註： 請記下所示 router IP 位址，待之後設定「服務埠轉傳」時使用。

步驟 1：將 iPhone 連線到攝影機所連接的無線 Router。



步驟 2：在 iPhone / iPad 開啓 EagleEyes，

然後按 [+] 新增連線裝置。選擇 [Local Network Search] 搜尋您的網路攝影機。搜尋到的 IP 位址爲 Router 自動指派給攝影機使用的位址。

註： 若無法搜尋到攝影機，請檢查 (LAN) 狀態指示燈是否爲恒亮，且三分鐘後再試一次。

若您接了兩台或多台攝影機到同一個無線 Router，您會看到那些攝影機，每一台的 IP 位址都不同。若要得知您要設定的攝影機是哪一台，可以由其 MAC 位址做區分。

註： MAC 位址可在攝影機底部的標籤貼紙上找到。

步驟 3：選擇要設定的 IP 位址進入設定頁面，並依不同需求來變更埠號。

將 [DHCP] 切換至 [Static]。

預設埠號爲 88，若 88 埠號被擋，請將埠號改爲其他數值。(從 1~9999，例如 8080)。

保留或變更預設值後
請將數字記下

步驟 4：選 [Apply] 套用所有變更，然後注意 [Status] 欄內的狀態變更，等到顯示 [Done] 或 [Fail] 爲止。

- 若顯示 [Done]，回到新增連線裝置頁面。
- 若顯示 [Fail]，請選取右上角的 [ ]，接著便會要求您選擇 [DDNS] 或 [Local IP]。選擇 [DDNS] 後回到新增連線裝置頁面。

選取[Apply]後的
狀態變更顯示:
進行中...
[完成] 或 [Fail]

步驟 5：在新增連線裝置頁面的 [名稱] 輸入您想要爲此連線命名的名稱，然後按 [儲存]。

請依第 23 頁的「附錄 4 設定服務埠轉傳 (PORT FORWARDING)」指示，繼續完成「服務埠轉傳」(port forwarding) 的設定。

檢查連線

步驟 1：將 iPhone 或 iPad 的網路模式改成 3G 模式。

步驟 2：啓動 EagleEyes，然後選擇您剛新增的連線設定，確認是否連線成功。

- 如果連線成功，表示您的網路設定正確無誤。
- 如果連線失敗，請繼續進行步驟 3。

步驟 3：將 iPhone 或 iPad 的網路模式改成無線模式。

步驟 4：啓動 EagleEyes，然後加入您剛設定的 IP 位址 (例如 192.168.2.25) 和埠號 (例如 88) 新增一個連線設

定。然後，確認是否能連線成功。

- 如果連線成功，請依第 23 頁的「附錄 4 設定服務埠轉傳 (PORT FORWARDING)」重做一次服務埠轉傳的設定。
- 如果連線失敗，請回到「1.2.2. 使用 iPhone / iPad 進行設定」的步驟 1 重新設定攝影機的網路。

1.5 Router + 數據機

您可以透過筆電 / 桌上型電腦來完成此攝影機的網路設定。

在使用筆電 / 桌上型電腦進行設定之前，請先確認：

- 您的 Windows 作業系統爲 Windows 7、Vista 或 XP。
- (建議使用) 您的 Router 支援 UPnP，而且此功能已開啓。

註： 若您的無線 Router 不支援 UPnP，您就必須另外進入 Router 設定「服務埠轉傳」(port forwarding)。詳情請參閱第 23 頁的「附錄 4 設定服務埠轉傳 (PORT FORWARDING)」。

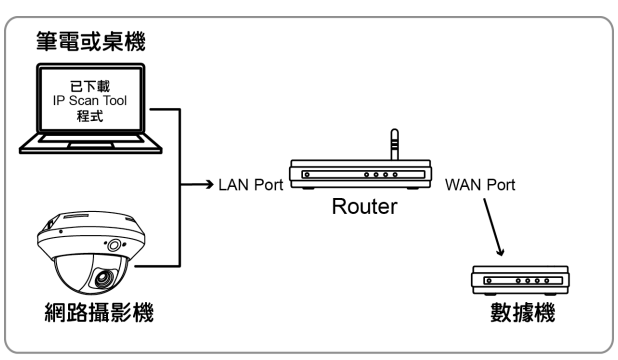
- 您已查看並記下 Router 使用 IP 位址。

註： 詳情請參閱您使用的 Router 使用說明書，或者洽詢您的安裝商。

- 您的筆電 / 桌上型電腦已下載 IPScan.exe。

註： 請至 http://www.surveillance-download.com/user/m328a.swf 下載 IPScan.exe。

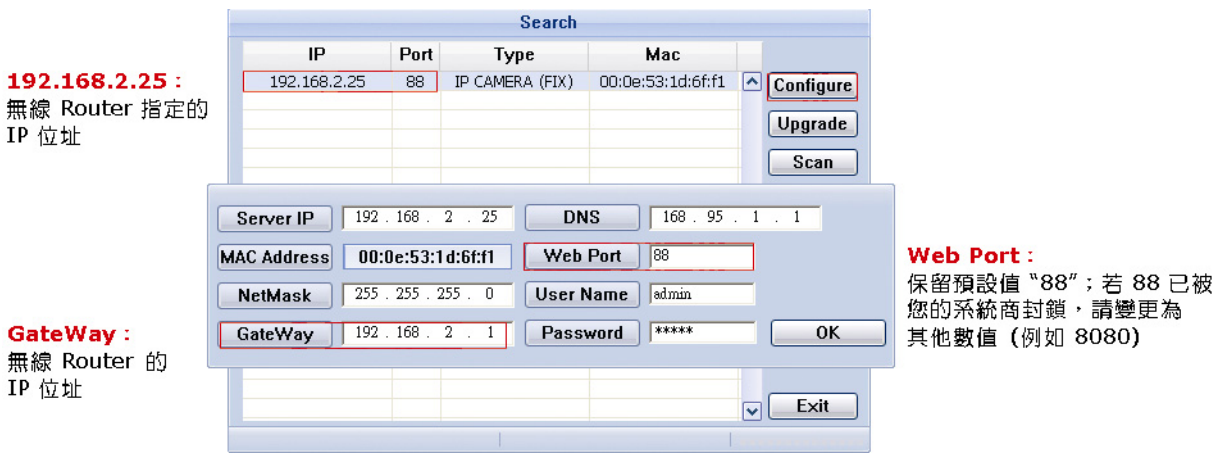
步驟 1： 將電腦接到 Router。



步驟 2：開啓 IPScan.exe (🔍) 搜尋您的攝影機，然後：

- 搜尋到攝影機後，記下該 IP 位址和埠號。如上例，位址爲 192.168.2.25、埠號 88。設定
- 選取一組 IP 位址，然後按 [Configure] 並記下 Gateway 位址。此爲您無線 Router 的位址，稍後在 port forwarding 時可能需要用到。
- 變更攝影機的埠號預設值。在 [Web Port] 的欄位內，您可以變更埠號 (如 8080)，如果當電信業者封鎖預設埠號 88。最後輸入攝影機的使用者名稱和密碼後，確認變更。預設的使用者名稱和密碼皆爲 admin。

  不建議使用埠號 80，電信業者有可能封鎖埠號 80 的使用。



步驟 3：在您的電腦開啓 Internet Explorer，然後輸入您剛剛設定好的 IP 位址來登入攝影機。

網址爲：http://ipaddress:portnum；依照上例爲：http://192.168.2.25:88。

在登入頁面中，輸入攝影機的使用者名稱 (admin)、密碼 (admin) 和驗證碼。

註： 請忽略設定精靈。

步驟 4：選擇 [系統設定] ➔ [DDNS]，然後啓用 DDNS 服務。

- 若您的 Router 有支援 UPnP，請繼續進行步驟 5。
- 若您的 Router 沒有支援 UPnP，請按 [儲存]，然後依第 23 頁的「附錄 4 設定服務埠轉傳 (PORT FORWARDING)」指示，登入您的 Router 進行「服務埠轉傳」 (port forwarding) 的設定。

步驟 5：選擇 [UPnP]，然後啓用 UPnP 服務。

接著，啓用 [埠號轉址]，然後選擇 [儲存] 開始自動進行轉址設定。

當設定成功時，您會在此頁面看到分配給此攝影機的 IP 位址和埠號。將 IP 位址和埠號記下，並登出攝影機。

檢查連線

步驟 1：開啓 Internet Explorer。

步驟 2：在網路瀏覽器的網址列輸入您剛剛記下的 IP 位址或主機名稱，看是否能成功進入此攝影機的登錄頁面。格式爲 **http://ip 位址:埠號**或者 **http://主機名稱:埠號**。

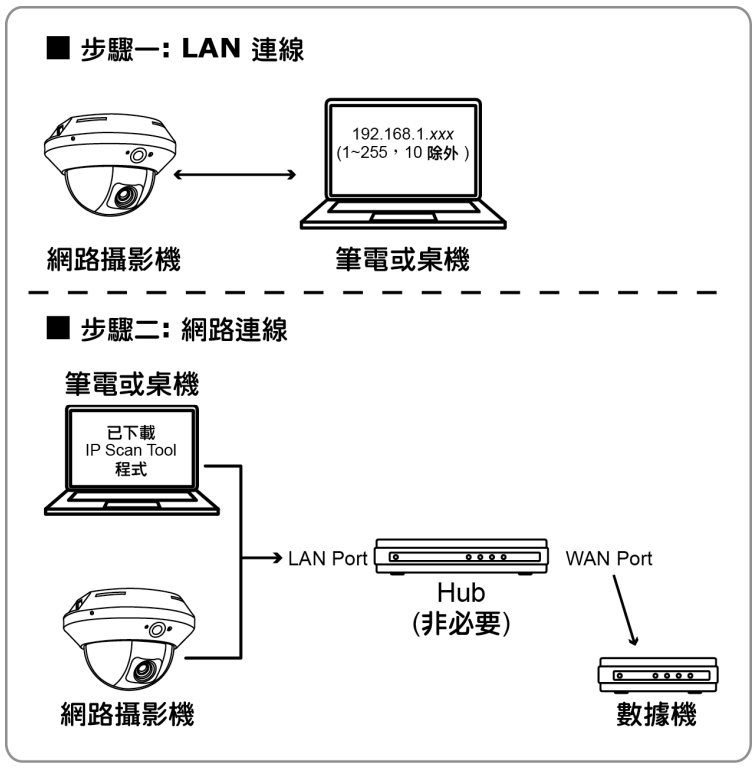
1.6 數據機 / Hub + 數據機

您可以透過筆電 / 桌上型電腦來完成此攝影機的網路設定。

在使用筆電 / 桌上型電腦進行設定之前，請先確認：

- 您的 Windows 作業系統爲 Windows 7、Vista 或 XP。
- 您已將電腦的 IP 位址改成 **192.168.1.*xxx***，其中 ***xxx*** 可以是 0~255 其中一個數值，但 10 除外。

註： 如需得知如何變更電腦的 IP 位址，請參閱第 18 頁的「附錄 1 變更電腦的 IP 位址」。



步驟 1：中斷電腦與 Hub 或數據機的連接，改成連接電腦和此網路攝影機。

註： 確認您電腦的 IP 位址已改成 192.168.1.*xxx* (*xxx* 爲 1~255，10 除外)。如需得知如何進行變更，請參閱第 18 頁的「附錄 1 變更電腦的 IP 位址」。

步驟 2：在您的電腦開啓 Internet Explorer，然後輸入 http://192.168.1.10:88 登入攝影機。

在登入頁面中，輸入攝影機的使用者名稱 (admin)、密碼 (admin) 和驗證碼。

註： 遠端登入的預設使用者名稱和密碼皆爲 **admin**。

步驟 3：設定精靈會開始會分析您目前的網路環境。結束後，選擇 [快捷精靈] 進入快速設定頁面。

項目	說明
帳號	視需要變更預設的帳號密碼。 您可以稍後進入 [系統設定] ➔ [常用設定] ➔ [權限管理] 來進行變更。
日期及時間	確認與選取您目前的日期和時間。
網路設定	依您目前使用的網路類型進行網路設定。詳情請見下一步驟。

步驟 4：在 [網路設定] 中，依您目前使用的網路類型爲此攝影機進行網路設定。網路類型共分三種：固定 IP、PPPOE 和 DHCP。

固定 IP：

a) 輸入從您的網際網路供應商取得的 [IP 位址]、[閘道] 和 [網路遮罩] 資訊。

b) 輸入埠號。有效數值範圍爲 1 到 9999。預設值爲 88。

c) 選擇 [儲存] 來儲存您的網路設定，然後登出。

d) 中斷攝影機和電腦連接，然後將它們分別連線上網。接著，在網路瀏覽器的網址列輸入您剛剛記下的 IP 位址，看是否能成功登入。

PPPOE：

a) 輸入從您的網際網路供應商取得的使用者名稱和密碼，然後選擇 [儲存]。

b) 繼續依步驟 5 指示，進行 DDNS 設定。

DHCP：

a) 在選取此選項之前，您必須先完成 DHCP Router 設定。

b) 將 Router 透過電腦連到網路 (透過固定 IP 或 PPPoE 設定)。不同的 Router 有不同的設定方式。請參閱其各自的使用說明書。

c) 繼續依步驟 5 指示，進行 DDNS 設定。

步驟 5：(選用) 選擇 {DDNS} (DDNS) 繼續進行 PPPOE 和 DHCP 設定。

a) 啓用 DDNS 服務。

b) 在 [系統名稱] 選擇 [default]。

c) 在 [主機名稱] 保留預設值，即此攝影機的 MAC 位址。然後記下整個位址，例如：*MAC000E530D93E3.ddns.dvrtw.com.tw*。

d) (非必要) 若要收到來自 DDNS 伺服器不定期的通知訊息，請在此輸入您的電子郵件。

註： 請至少使用此預設的位址遠端登入此攝影機一次。這可確保我們的 DDNS 伺服器有記錄您的攝影機資料。接著，您就可以將主機名稱變更爲更好記的名稱。

e) 選擇 [儲存]，然後登出。

檢查連線

步驟 1：中斷攝影機和電腦連接，然後將它們分別連線上網。

註： 記得要先將您剛剛變更的電腦 IP 位址改回來。

步驟 2：在網路瀏覽器的網址列輸入您剛剛記下的主機名稱，看是否能成功進入此攝影機的登錄頁面。
格式爲 **http://主機名稱:埠號**

1.7 變更帳號密碼

爲確保您的帳戶安全，請在完成網路設定後，進入您的攝影機以變更預設使用者名稱及密碼。

1.7.1 在網路介面上操作

請登入此攝影機後，選擇 [系統設定] → [常用設定] → [權限管理]，您即可：
選定預設帳號 “admin”，點選 [修改] 以變更預設密碼。

1.7.2 在 iPhone / iPad 上操作

請登入此攝影機後，選擇右上角的 “  ” 以進入系統設定的介面，您即可：

點選 [進階設定] → [帳號設定]，您即可選定預設帳號 “admin”，點選 [修改] 以變更預設密碼。

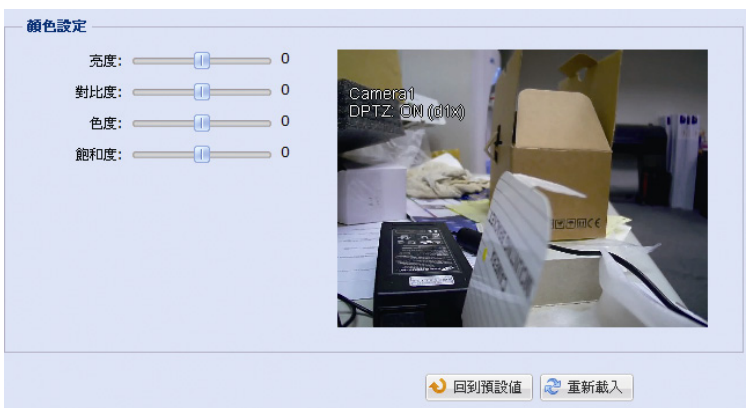
2. 使用前須知

在您完成網路設定之後，建議您依情況調整影像畫面。

下述內容假定您使用 Internet Explorer 瀏覽器遠端登入攝影機。

註：iPhone 使用者請在登入攝影機後，選擇畫面右上方圖示  即可進入設定頁面。

微調影像色彩，請在您瀏覽器頁面的右上方點選 [系統設定] 即可進入設定頁面。之後點選 [攝影機設定] → [顏色設定] 即可調整影像的亮度 / 對比度 / 色度 / 飽和度。



附錄 1 變更電腦的 IP 位址

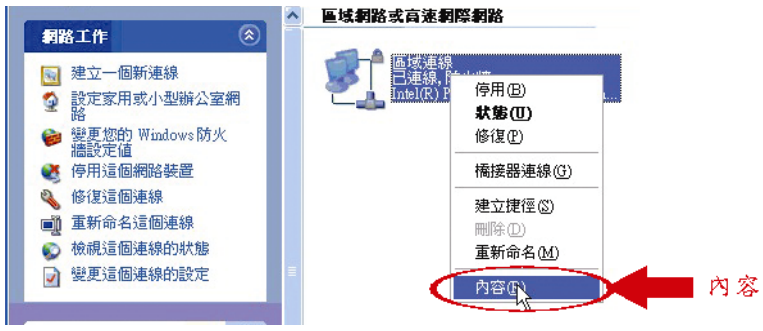
若要將電腦和攝影機對接，您必須先將電腦的 IP 位址更改爲 ***192.168.1.xxx*** (*xxx* 爲 1~255，10 除外)。

註：在變更 IP 位址之前，記得先抄下原來的 IP 設定。在完成攝影機網路設定後，您必須還原電腦原本的 IP 位址設定才行。

若使用的是 Windows XP：

a) 選擇 [開始] → [控制台] → [網路和網際網路連線] → [網路連線] (若您在 [類別檢視] 中)。

b) 在 [區域網路或高速網際網路] 中，於 [區域連線] 上按右鍵選擇 [內容]。



註： 若尚未啓動區域連線，請先啓用它。

c) 在 [一般] 標籤中，選擇 [Internet Protocol (TCP/IP)]，然後選擇 [內容]。

d) 在 [一般] 標籤中，選擇 [使用下列的 IP 位址]，然後將 IP 位址設爲「192.168.1.*XXX*」 (*XXX* 可介於 1~255，但不可爲 10)。

註： 建議先記下目前的 IP 設定，然後再依以下說明做設定變更。等攝影機設定完成後，就可以將電腦 IP 設定回來。

e) 按 [確定] 關閉 [Internet Protocol (TCP/IP) 內容] 對話框，然後再按 [關閉] 來關閉 [區域連線內容] 對話框。

若使用的是 Windows Vista：

a) 選擇 [ ] → [控制台] → [網路和網際網路] 以進入[網路和共用中心]。然後，按 [管理網路連線] (若您在 [類別檢視] 中)。

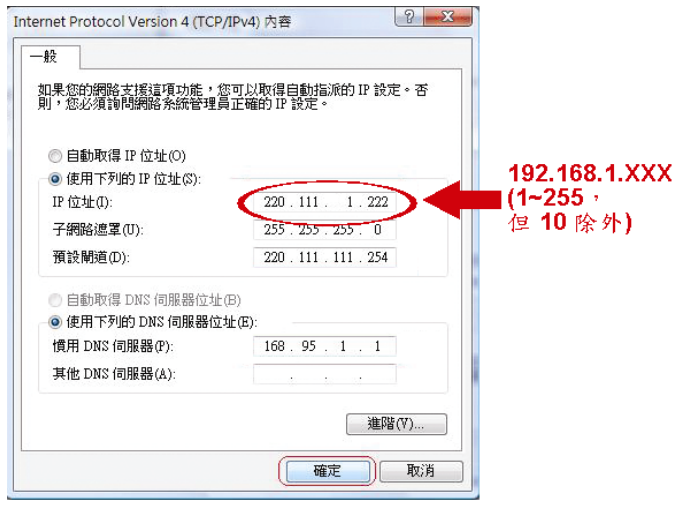
b) 在 [區域連線] 上按右鍵，然後選擇 [內容]。

註： 若尚未啓動區域連線，請先啓用它。

c) 在 [網路功能] 標籤中，選擇 [Internet Protocol Version 4 (TCP/IPv4)]，然後選擇 [內容]。

d) 在 [一般] 標籤中，選擇 [使用下列的 IP 位址]，然後將 IP 位址依以下說明做設定。

註： 建議先記下目前的 IP 設定，然後再依以下說明做設定變更。等攝影機設定完成後，就可以將電腦 IP 設定回來。



e) 按 [確定] 關閉 [Internet Protocol Version 4 (TCP/IPv4) 內容] 對話框，然後再按 [關閉] 來關閉 [區域連線內容] 對話框。

<u>若使用的是 Windows 7：</u>

a) 選擇 [ ] → [控制台] → [網路和網際網路] 進入 [網路和共用中心]，然後選擇 [變更介面卡設定]。

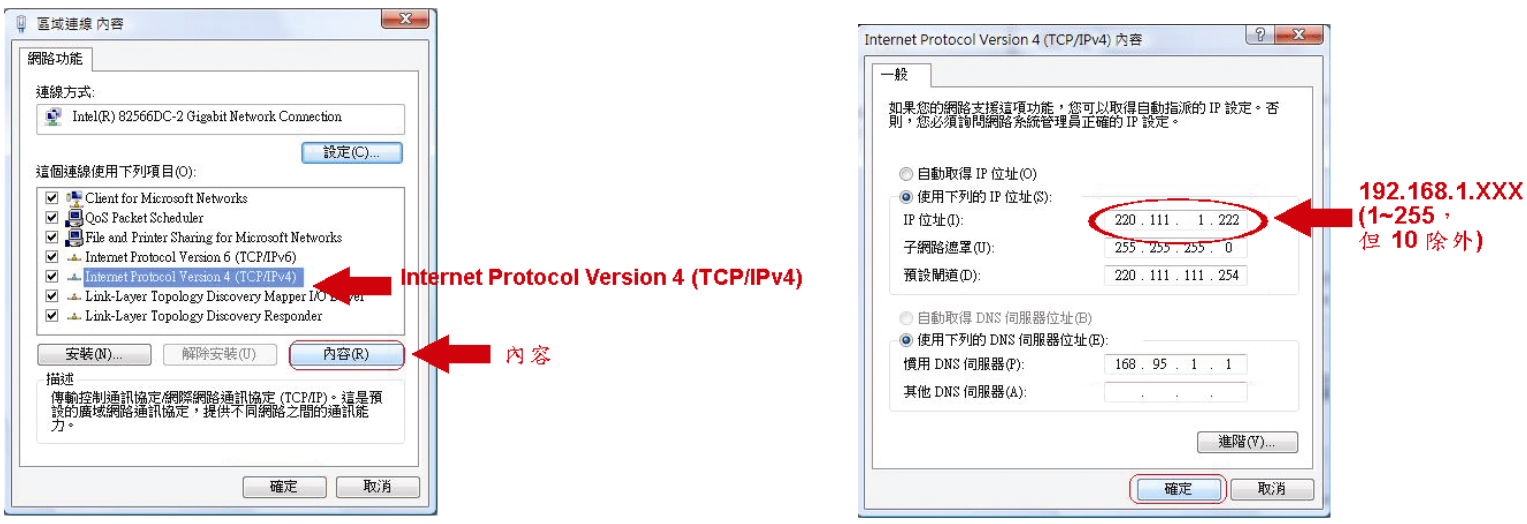
b) 在 [區域連線] 上按右鍵，然後選擇 [內容]。

註： 若尚未啓動區域連線，請先啓用它。

c) 在 [網路功能] 標籤中，選擇 [Internet Protocol Version 4 (TCP/IPv4)]，然後選擇 [內容]。

d) 在 [一般] 標籤中，選擇 [使用下列的 IP 位址]，然後將 IP 位址依以下說明做設定。

註： 建議先記下目前的 IP 設定，然後再依以下說明做設定變更。等攝影機設定完成後，就可以將電腦 IP 設定回來。



e) 按 [確定] 關閉 [Internet Protocol Version 4 (TCP/IPv4) 內容] 對話框，然後再按 [關閉] 來關閉 [區域連線內容] 對話框。

附錄 2 EAGLEEYES 行動監控

EagleEyes 是一個手機應用程式，可用來遠端登入到您的監控系統。此程式有幾個好處：

- 免費提供 (iPhone 的 *EagleEyes Plus* 除外)。
- 相容常見的行動平台，iPhone、BlackBerry、Symbian、Windows Mobile 和 Android。

簡易下載、安裝和設定。如需得知更多關於設定和操作此程式的資訊，請至 EagleEyes 官方網站 www.eagleeyescctv.com。

A2.1 安裝前須知

在手機安裝 EagleEyes 之前，請先確認以下事宜：

✓ 您的手機平台爲 iPhone、BlackBerry、Symbian, Windows Mobile & Android。

✓ 您的手機有開通網路服務，而且目前可以使用。

註： 透過無線或 3G 網路連線上網也許會收取額外費用。如需得知上網費率，請洽詢您的電信業者或服務供應商。

✓ 您已知道從網路連回您的攝影機時，需要輸入的 IP 位址、埠號、使用者名稱和密碼。

A2.2 下載位置

從手機連到 www.eagleeyescctv.com 並完成登入。

註： **請勿**將 EagleEyes 下載到您的電腦。

接著，選擇 [Software] 挑選適合您手機平台使用的 *EagleEyes*，再進行下載。

- 若使用 Android& iPad 平台，請直接選取下載連結進行下載。
- 若使用 iPhone，共有兩種版本的 EagleEyes 可供選擇：

  -- EagleEyes Plus (US$4.99) 和

  -- EagleEyes Lite (免費)。

選取您要的版本，接著便會導引您進入 App Store 來下載程式。

註： 您也可以直接從 iPhone 進入 App Store 來搜尋 *EagleEyes*。選擇 [App Store]，然後選取 [Search]。輸入關鍵字「eagleeyes」來搜尋並下載您要的版本。

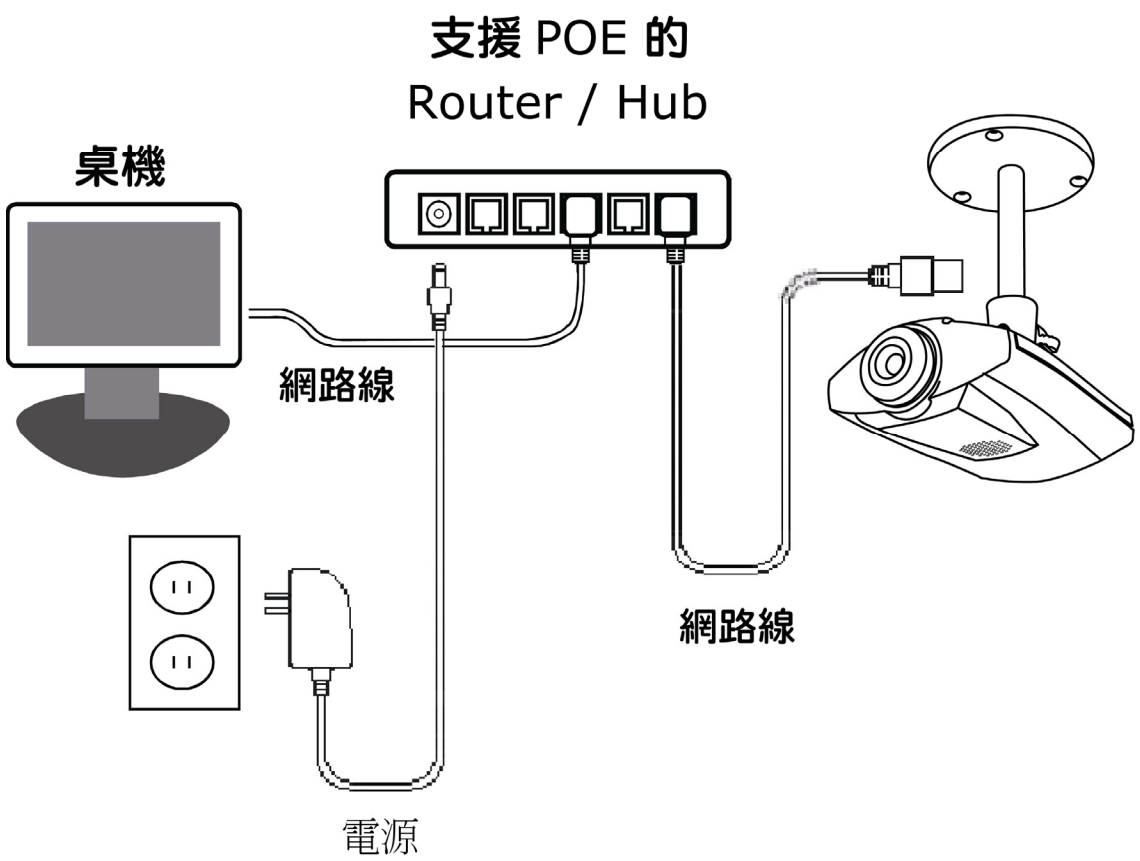
下載完成後，便會自動將 *EagleEyes* 安裝到您手機預設的應用程式安裝位置。

註： 如需得知更多關於設定和操作此程式的資訊，請至 EagleEyes 官方網站 www.eagleeyescctv.com。

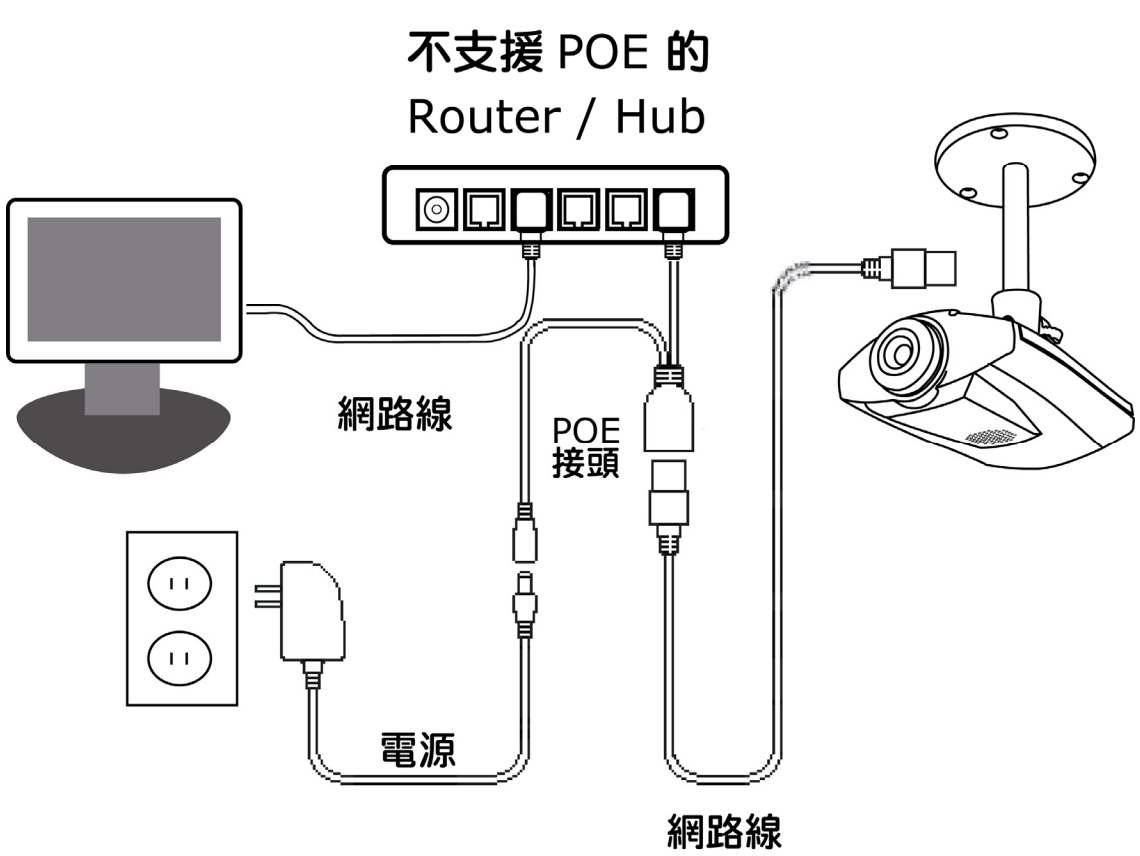
附錄 3 連接 POE 功能

此裝置支援符合 IEEE802.3af 標準規範的 Power-over-Ethernet (POE) 功能。透過同一條網路線，即可傳送電源，不需再另外接電源線，下圖所示爲兩種不同 POE 使用狀況，提供參考：

- 若您的 router 或 hub 支援 POE 功能



- 若您的 router 或 hub 不支援 POE 功能 (須加裝 POE 接頭)



附錄 4 設定服務埠轉傳 (PORT FORWARDING)

若您的 Router 不支援 UPnP，您就必須再登入 Router 做服務埠轉傳 port forwarding) 的設定。不同廠牌的 Router 都有其各自的設定頁面。以下列舉 D-Link 無線 Router 爲例。

步驟 1：登入您的 Router。

- 若您是透過無線網路從電腦或 iPhone / iPad 來設定攝影機，請開啓 Internet Explorer 或 Safari，然後輸入 Router 的 IP 位址。
- 若您是透過 LAN (對接) 從電腦或來設定攝影機，請中斷與攝影機的連線再接到 Router。然後，開啓 Internet Explorer 並輸入 Router 的 IP 位址。

步驟 2：選取服務埠轉傳 (或虛擬伺服器) 規則設定頁面。

註： 「服務埠轉傳」或「虛擬伺服器」等名稱的使用，必須依 Router 廠牌而定。如需得知此規則要在哪裡設定，請參閱您的 Router 使用說明書。

接著，輸入您爲攝影機所設定的 IP 位址和埠號，並啓用此規則。

以 D-Link 無線 Router 爲例：選擇 [進階] → [服務埠轉傳]。

IP 位址：	攝影機的 IP 位址，例如 *192.168.2.25*。
服務埠：	攝影機的埠號。

附錄 5 常見問題集

如有更多關於 EagleEyes 的問題，請上官網 www.eagleeyescctv.com/supp_QnA.aspx。

問題	解答
當我在家中或是辦公室時，我可以成功連上攝影機，即使是沒有無線網路的情況下。但是一旦離開家裡或是辦公室，我卻無法從手機 (連上 3G 網路) 或是桌電 (連上網路) 進入攝影機，爲什麼？	您尚未成功連上網際網路，您連上的網路爲區域網路。所以，請依說明書的指示完成網路設定，或是建議您與當地安裝商或當地供應商聯繫，協助安裝事宜。因爲網路設定對於初次設定的人而言，難度較高。
影像看起來很不流暢。爲什麼？	影像的流暢度會受到區域網路上傳頻寬、Router 的硬體效能、攝影機下載頻寬和畫面複雜度等因素有關。 (建議設定) 如需看到非常流暢的影像，解析度請選取 [QVGA]；如需看到最好的畫質呈現，解析度請選取 [SXVGA]；如對影像流暢度和畫面沒有特殊要求，建議解析度則選取 [VGA]。
影像看起來有點模糊。爲什麼？	攝影機的鏡頭焦距，請調整鏡頭來改善影像畫面。
即時的影像畫面一直閃爍。爲什麼？	您必須調整攝影機的電源頻率切換至 [60 Hz] 或 [50 Hz]。 iPhone 使用者，進入攝影機畫面，選擇即時畫面右上角的  進入 IPCAM 設定頁面，然後選擇 [進階設定] → [攝影機]，以變更設定。 Internet Explorer 瀏覽器使用者，登入攝影機後選擇 [系統設定] → [攝影機設定] → [影像設定]。