ADVANCED NETWORK SETUP

For wireless network camera

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

IMPORTANT SAFEGUARD

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 apparatus is manufactured to comply with the radio interference requirements.

Federal Communications Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital service, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user’s authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- All external cables connecting to this basic unit must be shielded.
  For cables connecting to PCMCIA cards, see the option manual or installation instructions.

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.

RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna9s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

DGT Warning Statement

Article 12 Without permission, any company, firm or user shall not alter the frequency, increase the power, or change the characteristics and functions of the original design of the certified lower power frequency electric machinery.

Article 14 The application of low power frequency electric machineries shall not affect the navigation safety nor interfere a legal communication, if an interference is found, the service will be suspended until improvement is made and the interference no longer exists.

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Android™ is a trademark of Google Inc. Use of this trademark is subject to Google Permissions.

Microsoft®, Windows® & Internet Explorer® are registered trademarks of Microsoft Corporation in the United States and/or other countries.

Disclaimer

We reserve the right to revise or remove any content in this manual at any time. We do not warrant or assume any legal liability or responsibility for the accuracy, completeness, or usefulness of this manual. The content of this manual is subject to change without notice.

This product doesn’t have a standby / off mode.

MPEG4 Licensing

THIS PRODUCT IS LICENSED UNDER THE MPEG4 VISUAL PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER FOR (i) ENCODING VIDEO IN COMPLIANCE WITH THE MPEG4 VISUAL STANDARD (“MPEG-4 VIDEO”) AND/OR (ii) DECODING MPEG4 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED BY MPEG LA TO PROVIDE MPEG4 VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION INCLUDING THAT RELATING TO PROMOTIONAL INTERNAL AND COMMERCIAL USES AND LICENSING MAY BE OBTAINED FROM MPEG LA, LLC. SEE HTTP://WWW.MPEGLA.COM.

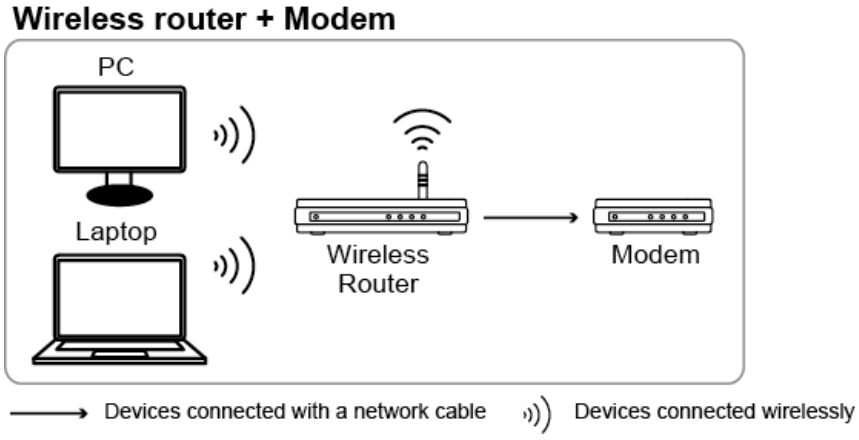
TABLE OF CONTENTS

1. Check Your Network Environment

This chapter is focused on configuring your wireless camera to Internet with a wireless router.

If your network environment is **NOT** wireless as illustrated below, please click HERE to download the instructions configure the camera to Internet.

Wireless router + Modem



make sure:

- You know the password to join the network.
- You're sure your wireless router is connected to Internet.
- Your laptop / computer supports wireless network connections, or you have iOS (iPhone / iPad) or Android mobile device.

Note: The *HTC* Android mobile devices do not support configuring this camera to Internet. Please use other mobile devices, such as iPhone, iPad or other Android mobile device, instead.

- (Optional) You know where the wireless router is installed, and if it supports quick wireless connection setup with one press.

To use iOS mobile devices (iPhone / iPad) to configure your camera to Internet, please go to "2 Configure with iOS devices (iPhone / iPad)" at page 2.

To use Android mobile devices to configure your camera to Internet, please go to "3 Configure with Android mobile devices" at page 10.

To use your laptop / computer to configure your camera to Internet, please go to "4 Configure with laptop / computer" at page 16.

2 Configure with iOS devices (iPhone / iPad)

Before using your iPhone / iPad to configure this camera to Internet, make sure:

- You've installed our mobile app, ***EagleEyes***, in your iPhone / iPad.

Note: If you haven't installed ***EagleEyes***, please go to "App Store" and search "eagleeyes". The free version of EagleEyes is *EagleEyes-lite* for iPhone / *EagleEyesHD Lite* for iPad.

- The camera is installed and powered on.

Note: The screenshots of EagleEyes shown in this chapter are taking from *EagleEyes – lite*. The actual display may differ from *EagleEyesHD Lite*, but it's similar.

You need to connect your camera to wireless network first (2.1 Connect your camera to wireless network (LAN)), and configure your camera to Internet later (2.2 Connect your camera to Internet (WAN)). Please follow the instructions below.

2.1 Connect your camera to wireless network (LAN)

There are three ways to connect your camera to the wireless network:

- By using **quick wireless connection setup with one press** when your wireless router also supports this function.

  For details, please refer to "2.1.1 Quick wireless connection" at page 2.

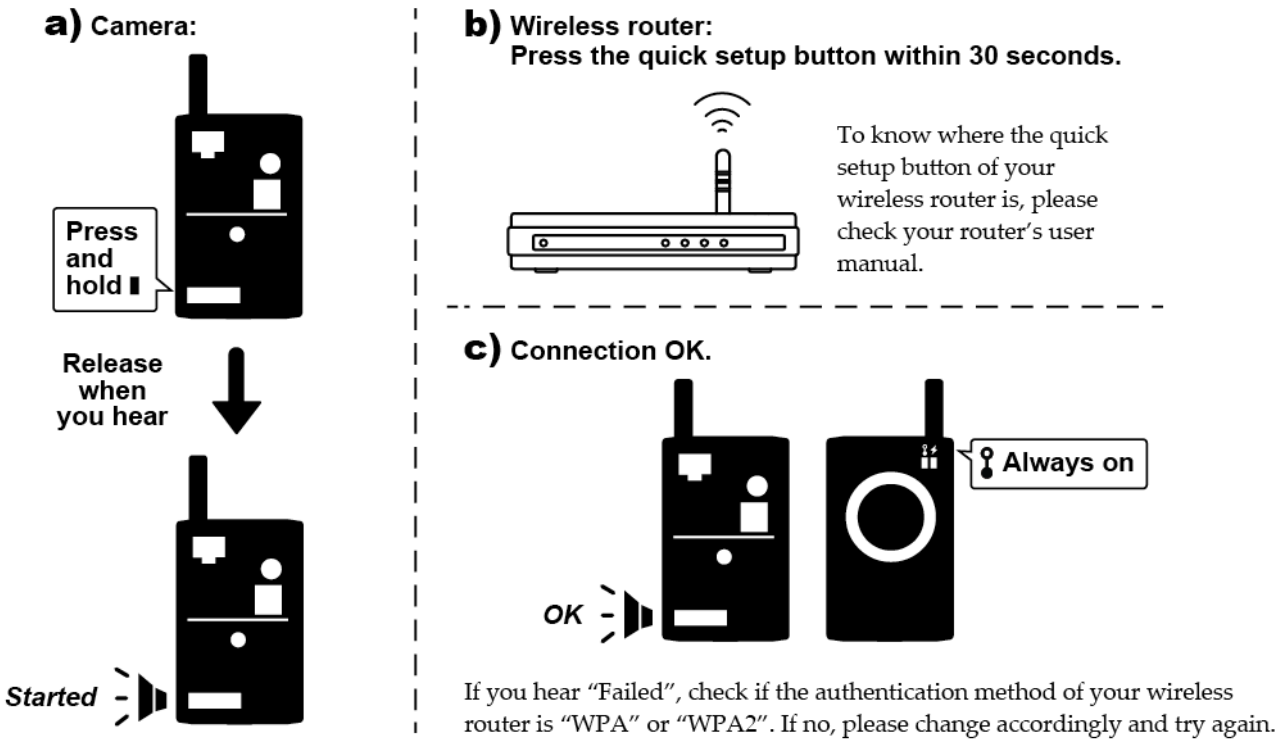
- By using **Ad-hoc** from your iPhone / iPad, and you know the password to join the wireless network you want.

  For details, please refer to "2.1.2 Ad-hoc" at page 3.

- By using a **laptop / computer** if the above two methods are failed. You'll need to prepare a laptop / computer.

  For details, please refer to "2.1.3 Laptop / Computer" at page 4.

2.1.1 Quick wireless connection



Note: The quick wireless connection setup function could be a virtual button on the wireless configuration page, or a physical button on the wireless router depending on the router's brand.

Note: If you hear "Failed", check if the wireless authentication of your router is WPA or WPA2. If no, please change the authentication method to WPA or WPA2, or go to "2.1.2" or "2.1.3" to complete the setup and connection in another way.

Check the LAN status indicator (🌡) on the camera, and see if it's always on.

Note: The LAN status indicator (🌡) must be always on to ensure the camera is connected to the wireless network you want.

2.1.2 Ad-hoc

Before starting the setup, make sure:

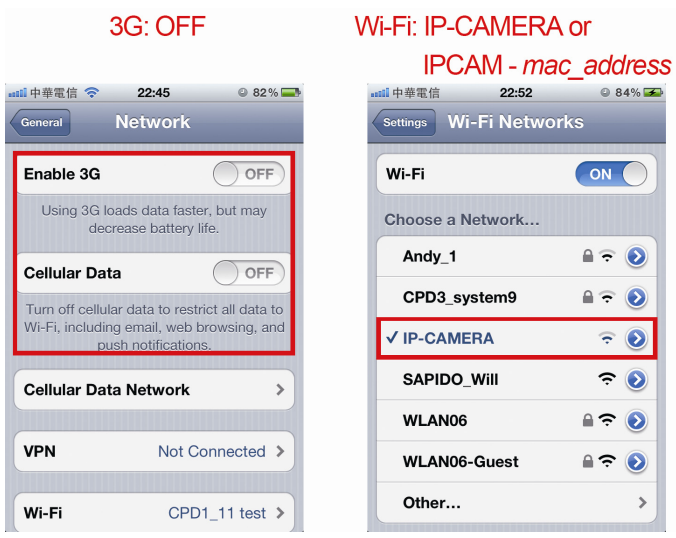
- You know the user name and password to join the wireless network you want to use.
- The camera is powered on.

Follow the steps below to wirelessly connect this camera to your wireless network:

a) On iPhone / iPad, switch off your 3G network in "Settings" → "General" → "Network".

b) Scan and join the wireless network with the SSID "**IP-CAMERA**" or "**IPCAM–*mac_address***" from your laptop, where "***mac_address***" is the MAC address of the camera, such as ***000E53EBD2BF***, and you can find it on the rear panel sticker.

Note: The wireless network, "IP-CAMERA" or "IPCAM – *mac_address*", is generated from the camera itself. If you can't find it, wait for a while and try again. No password is needed to join the network.

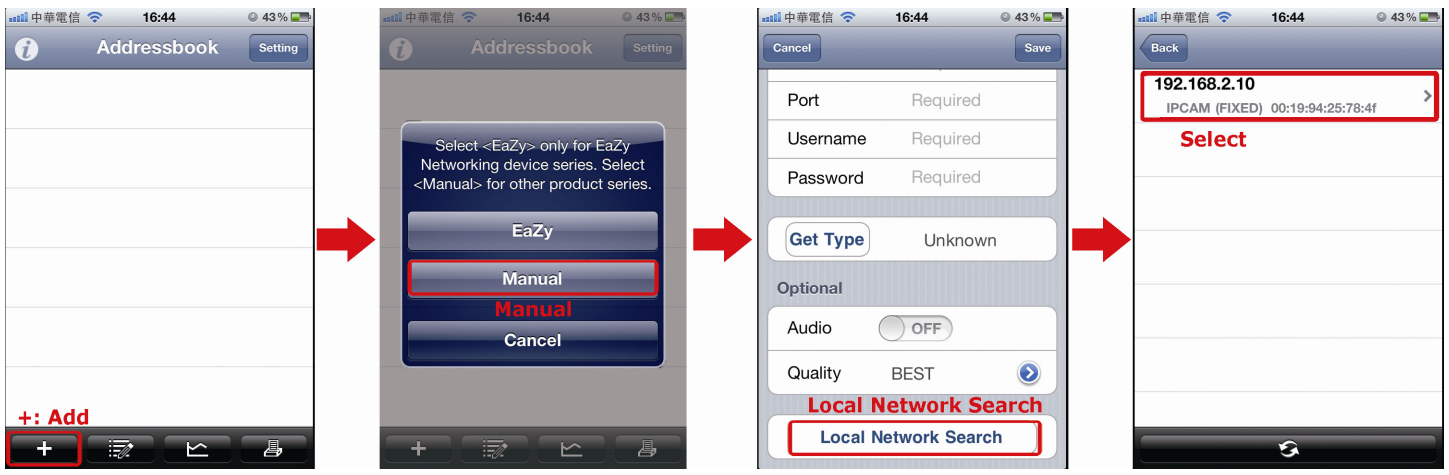


c) Open "EagleEyes". In the address book, click "+" to add a new device.

Note: Select "**Manual**" when you're prompted to select from "EaZy" and "Manual".

Then, select "Local Network Search" to search your network camera. You'll see the default wireless IP address of your camera, "192.168.2.10".

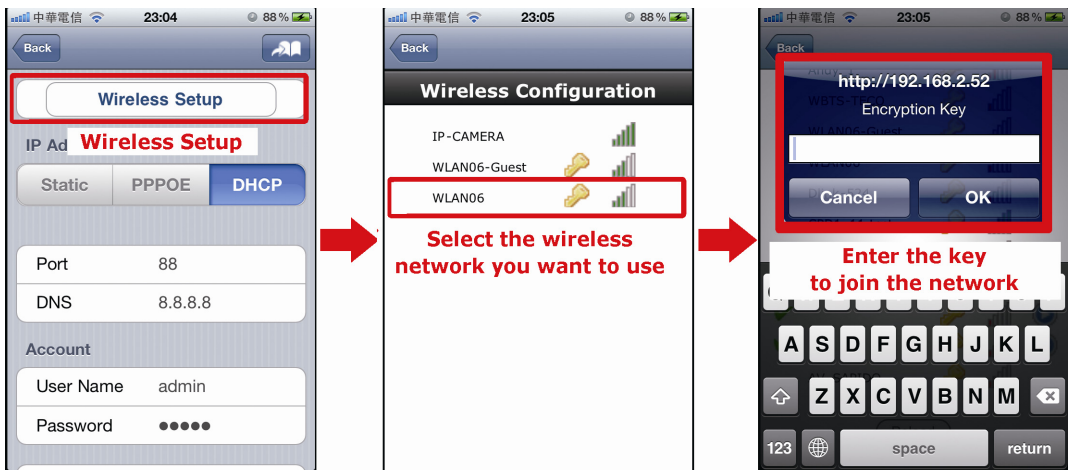
Note: If no IP address is found, make sure you've connected to the wireless network of "IP-CAMERA" or "IPCAM – *mac_address*", and wait a while and search again.



d) Select the address to enter the configuration page, and select "Wireless Setup".

e) Wait for iPhone / iPad to search available wireless networks, and select the one you want to connect this camera to.

f) Enter the key, and select “OK” to join the wireless network.



Note: If no IP address is found, make sure you’ve connected to the wireless network of “IP-CAMERA” or “IPCAM – *mac_address*”, and wait a while and search again.

g) Exit EagleEyes, and go to “Settings” → “Wi-Fi” to connect to the same wireless network as the one you just chose for the camera.

Then, check the LAN status indicator (🌡) on the camera, and see if it’s always on.

Note: The LAN status indicator (🌡) must be always on to ensure the camera is connected to the wireless network you just chose for it.

2.1.3 Laptop / Computer

You need to connect your camera, **wirelessly** or **with a network cable**, to your laptop / computer to configure your camera to connect to your wireless network.

Before starting the setup, make sure:

- Your laptop / computer supports wireless network connections.
- The IP address of your laptop / computer is changed to
  - “192.168.2.*xx*” if you want to wirelessly connect your camera and laptop / computer, or
  - “192.168.1.*xx*” if you want to connect your camera and laptop / computer with a network cable,

  where *xx* could be 1 ~ 255 except 10.

Note: For details, please refer to “APPENDIX 1 CHANGE IP ADDRESS OF YOUR LAPTOP / COMPUTER” at page 22.

- You know the user name and password to join the wireless network you want to use.
- The camera is powered on.

a) Follow the steps below to connect this camera to your wireless network:

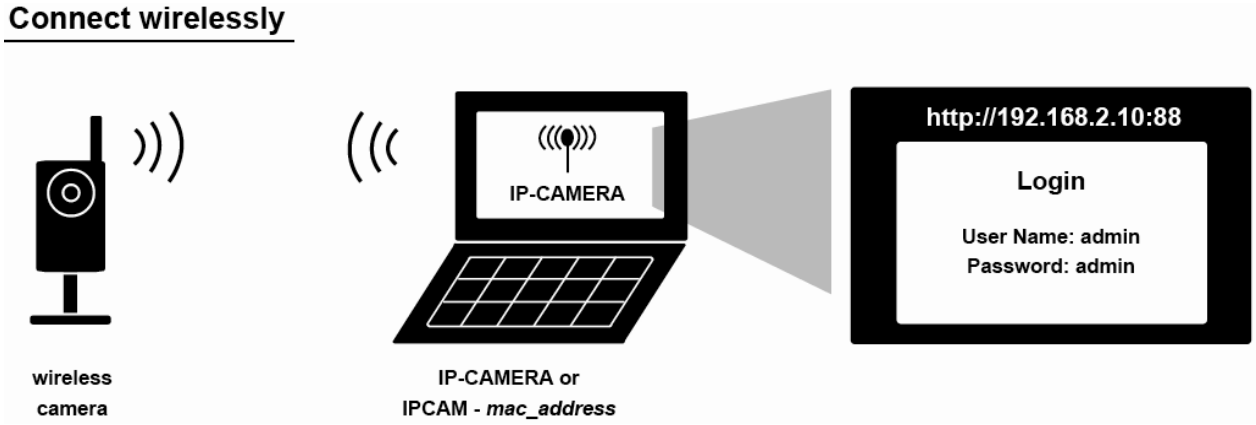
Connect wirelessly

Scan and join the wireless network with the SSID “**IP-CAMERA**” or “**IPCAM–*mac_address***“ from your laptop, where “***mac_address***” is the MAC address of the camera, such as ***000E53EBD2BF***, and you can find it on the rear panel sticker.

Note: The wireless network, “IP-CAMERA” or “IPCAM – *mac_address*”, is generated from the camera itself. If you can’t find it, wait for a while and try again. No password is needed to join the network.

Open Internet Explorer, and enter “http://192.168.2.10:88” to access and log into the camera.

Note: The default user name and password for login are both “admin”.

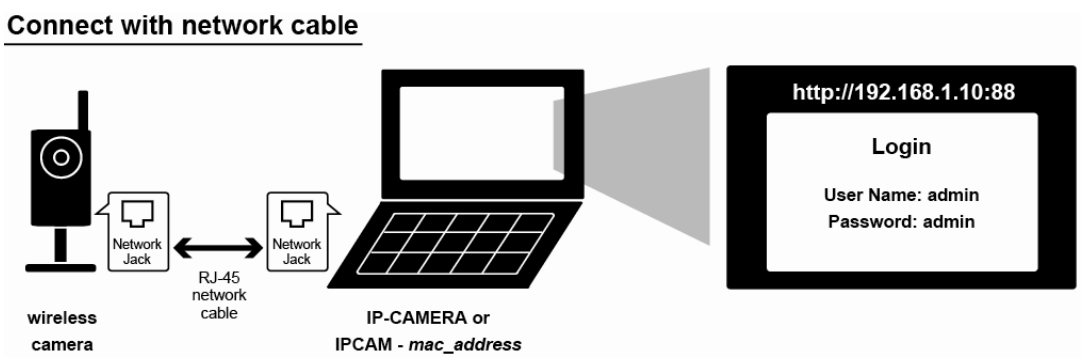


Connect with network cable

Connect your camera to your laptop / computer with a network cable.

Open Internet Explorer, and enter "http://192.168.2.10:88" to access and log into the camera.

Note: The default user name and password for login are both "admin".

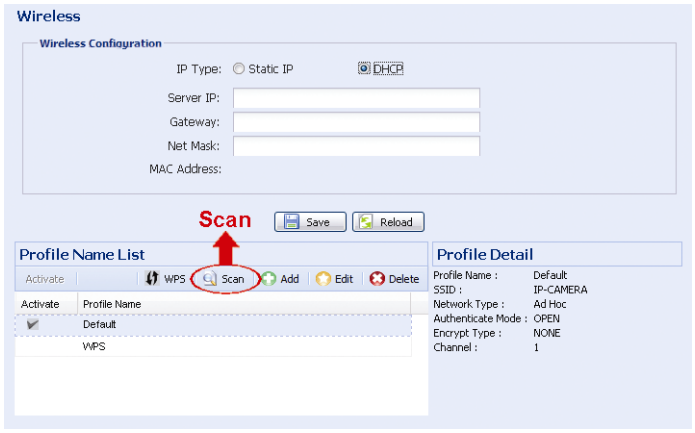


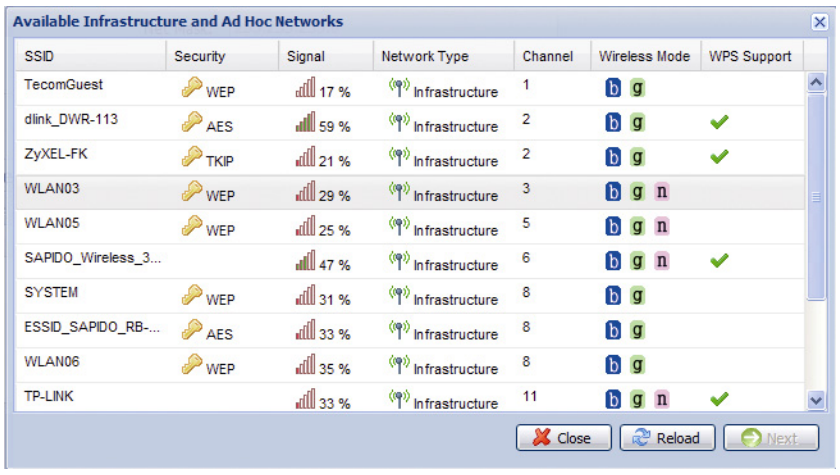
b) Skip the wizard. If you're prompted to install the add-on, "H264 Streaming Viewer", please install it.

c) Select "Config." and go to "Network" → "Wireless".

d) Click "Scan" to search all available wireless access points / networks (SSID), and double-click the one your camera is intended to configure for.

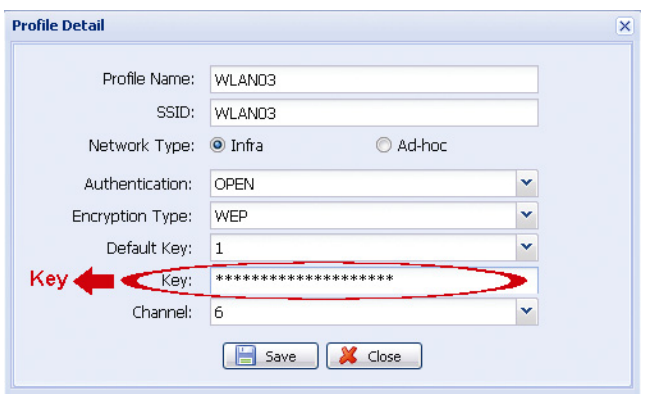
Note: This method is available only when the signal strength of the wireless access point / network your camera is intended to configure for is not too weak, and it's set to open for searching.
If this method is not working, please manually add the wireless profile as described in "APPENDIX 4 ADDING WIRELESS PROFILE MANUALLY" at page 27.





e) The setting for the selected wireless access point / network will be shown except for the “Key” column.

Enter the password to access the selected wireless access point / network in “Key”, and click “Save”. The selected wireless access point / network will be added to “Profile Name List” and activated.



f) Close Internet Explorer, and disconnect the wireless network on your laptop.

g) Check the LAN status indicator ( ) on the camera, and see if it’s always on.

- If yes, the camera is connected to the wireless network successfully.
- If no, please check if you enter the right password to join the wireless network, and try again.

Note: Please also remember to restore the IP setting of your laptop / computer.

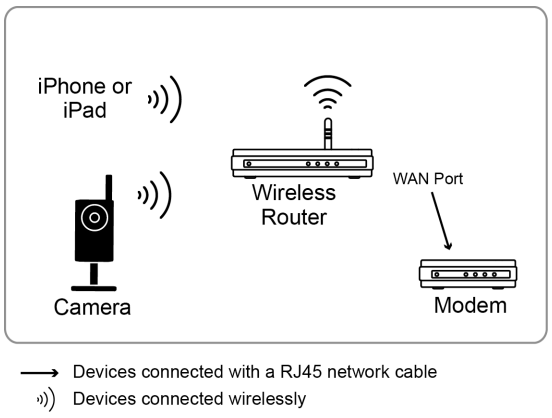
2.2 Connect your camera to Internet (WAN)

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

- (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 3 CONFIGURE PORT FORWARDING” at page 26.

- Make sure your connection is as illustrated



- Connect your iPhone / iPad to the wireless router with the camera 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.

Then, follow the steps below to connect your camera to Internet:

Step1: Connect your iPhone / iPad to the same wireless network (SSID) as the camera connected.

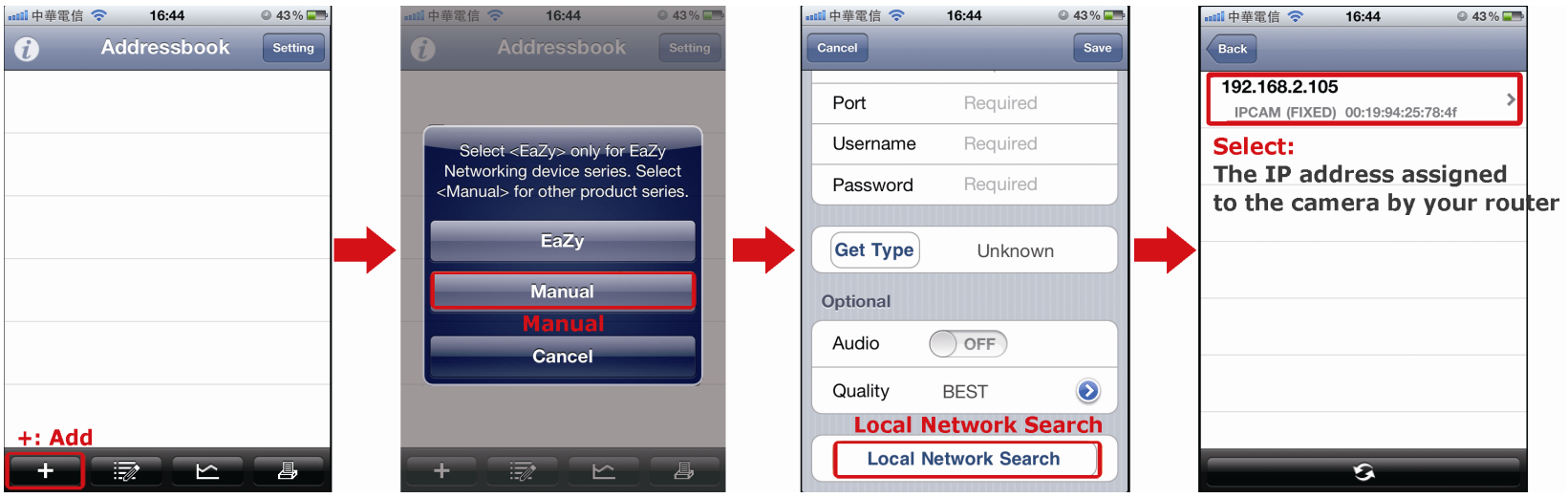
Step2: Open “EagleEyes” on your iPhone / iPad.

In the address book, click “+” to add a new device.

Note: Select “**Manual**” when you’re prompted to select from “EaZy” and “Manual”.

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.

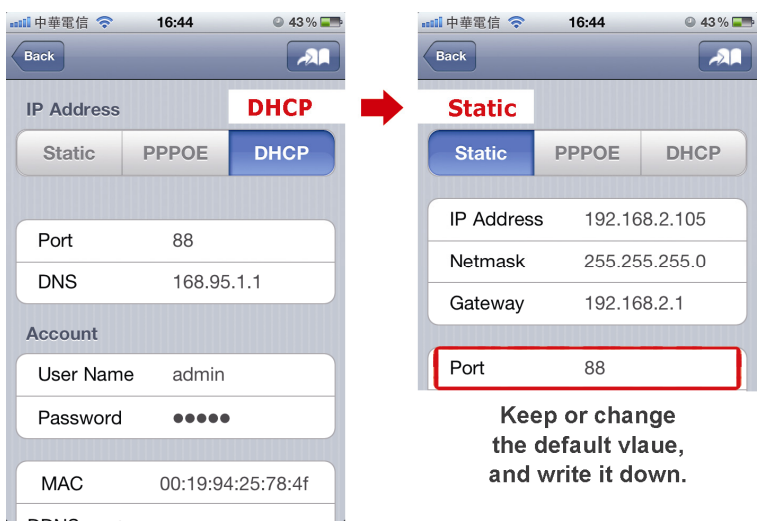


Step3: Select the IP address you want to configure to show the IP address setting page.

Then, switch to the tab “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.

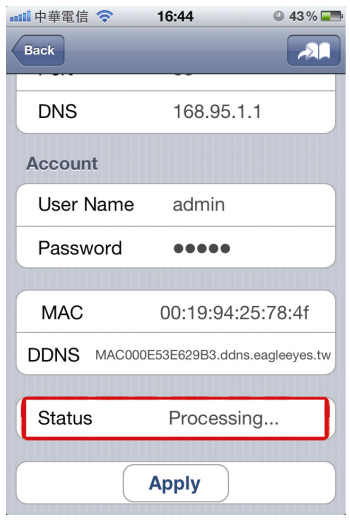


Note: It’s not recommended to use the port number of 80 since some phone carriers might block this port for network access.

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”:

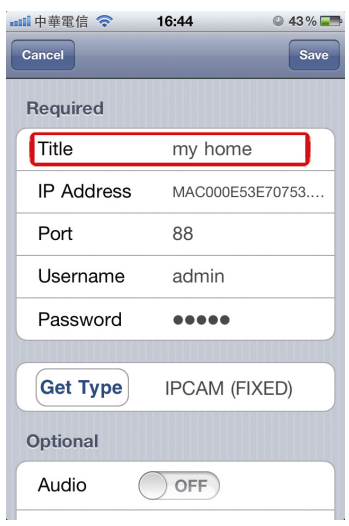
Processing...

↓

“Done” or “Fail”

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

Step6: Go to “Check your connection” below to examine your connection.



Check your connection

Step1: Check if the LAN ( ) and Internet ( ) status indicators on the camera are always on.

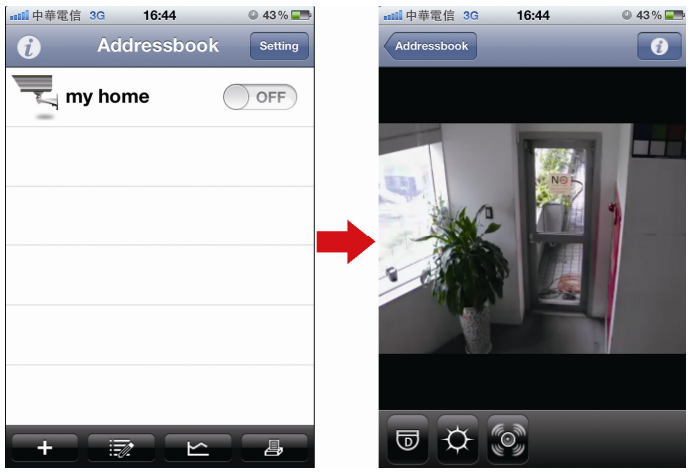
- If they’re both always on (no blinking), go to Step2.
- If the Internet status indicator ( ) blinks after 5 seconds*, please continue with configuring port forwarding as instructed in “APPENDIX 3 CONFIGURE PORT FORWARDING” at page 26.

  *The blinking frequency is 5 seconds on → 0.5 second off → 0.5 second on → 0.5 second off → 5 seconds on.

Step2: Switch the network mode to 3G mode on iPhone or iPad.

Step3: Start EagleEyes, and select the connection you just added to see if you can access the camera successfully, as shown below.

- If yes, your network setup is successful.
- If no, go to Step4.



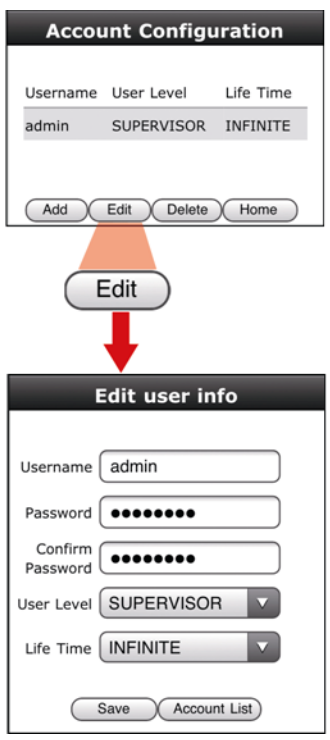
Step4: The port you’re using for this camera might be blocked by your phone carrier. Please start from Step1 of “Connect a camera to the Internet”, and change the port number to another value.

Step5: Complete the setup, and examine your connection again as instructed in “Check your connection”.

2.3 Change default password

In the live view, click “  ” on the top right corner to enter the quick configuration page.

Scroll down the page, and select “Advanced” to go to the advanced configuration page. Select “Advanced Setup” → “Account”. Then, select the default account “admin”, and click “Edit” to modify the default password.



3 Configure with Android mobile devices

Before using your Android mobile devices to configure this camera to Internet, make sure:

- The brand of your Android mobile phone is ***NOT*** HTC.

Note: The ***HTC*** Android mobile devices do not support this function. Please get another Android mobile device. Otherwise, go to "2 Configure with iOS devices (iPhone / iPad)" or "4 Configure with laptop / computer" to configure your camera to Internet in other ways.

- You've installed our mobile app, ***EagleEyes***, in your Android mobile device.

Note: If you haven't installed ***EagleEyes***, please go to "App Store" and search "eagleeyes". The free version of EagleEyes is *EagleEyes (Lite)* for Android 1.6 (or later) or *EagleEyes(Lite+)* for Android 2.2 (or later).
For more details, please refer to "APPENDIX 2 MOBILE SURVEILLANCE VIA EAGLEEYES" at page 25, or visit www.eagleeyescctv.com.

- (Optional) You have a laptop / computer which supports wireless connection if your wireless router doesn't support quick connection setup with one press as mentioned in "3.1.1 Quick wireless connection".
- The camera is installed and powered on.

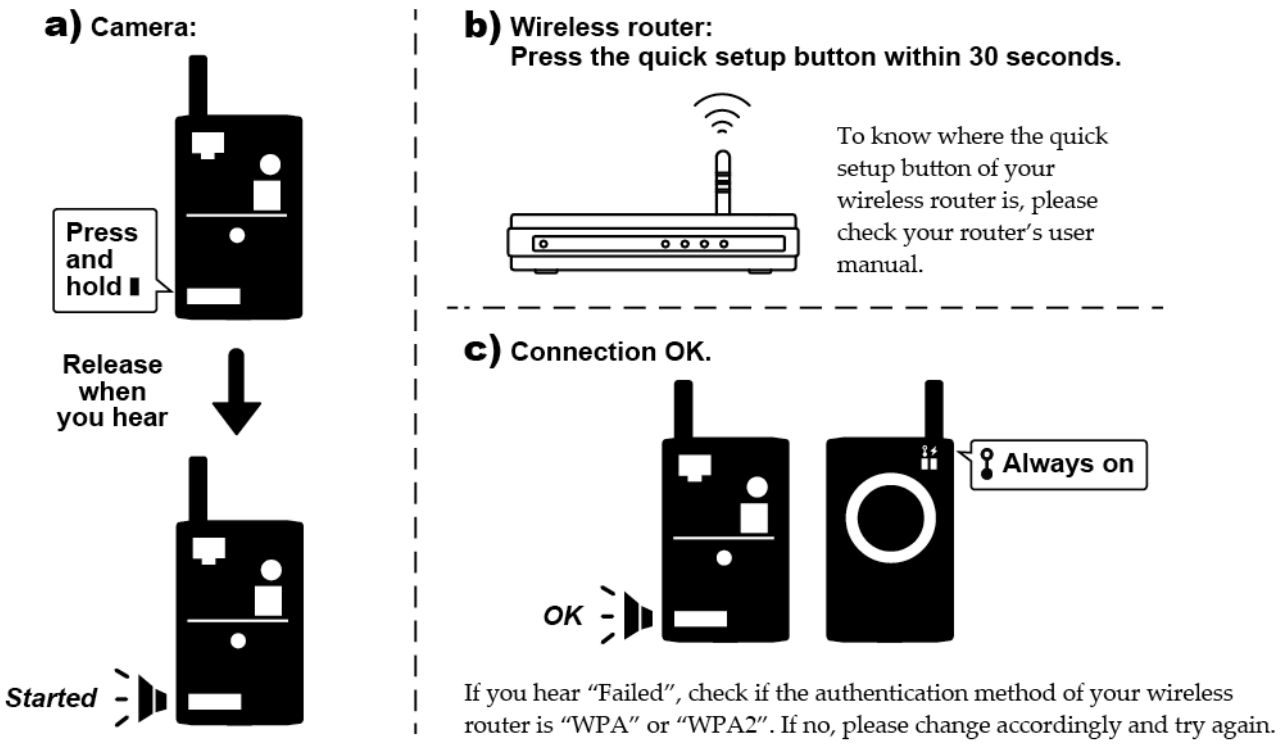
You need to connect your camera to wireless network first (3.1 Connect your camera to wireless network (LAN)), and configure your camera to Internet later (3.2 Connect your camera to Internet (WAN)). Please follow the instructions below.

3.1 Connect your camera to wireless network (LAN)

There are three ways to connect your camera to the wireless network:

- By using **quick wireless connection setup with one press** when your wireless router also supports this function.
  For details, please refer to "3.1.1 Quick wireless connection" at page 10.
- By using a **laptop / computer**, and you know the password to join the wireless network you want.
  For details, please refer to "3.1.2 Laptop / Computer" at page 11.

3.1.1 Quick wireless connection



Note: The quick wireless connection setup function could be a virtual button on the wireless configuration page, or a physical button on the wireless router depending on the router's brand.

Note: If you hear "Failed", check if the wireless authentication of your router is WPA or WPA2. If no, please change the authentication method to WPA or WPA2, or go to "2.1.2" or "2.1.3" to complete the setup and connection in another way.

Check the LAN status indicator (🌡) on the camera, and see if it's always on.

Note: The LAN status indicator (🌡) must be always on to ensure the camera is connected to the wireless network you want.

3.1.2 Laptop / Computer

You need to connect your camera, **wirelessly** or **with a network cable**, to your laptop / computer to configure your camera to connect to your wireless network.

Before starting the setup, make sure:

- Your laptop / computer supports wireless network connections.
- The IP address of your laptop / computer is changed to
  - "192.168.2.*xx*" if you want to wirelessly connect your camera and laptop / computer, or
  - "192.168.1.*xx*" if you want to connect your camera and laptop / computer with a network cable,
  where *xx* could be 1 ~ 255 except 10.

Note: For details, please refer to "APPENDIX 1 CHANGE IP ADDRESS OF YOUR LAPTOP / COMPUTER" at page 22.

- You know the user name and password to join the wireless network you want to use.
- The camera is powered on.

a) Follow the steps below to connect this camera to your wireless network:

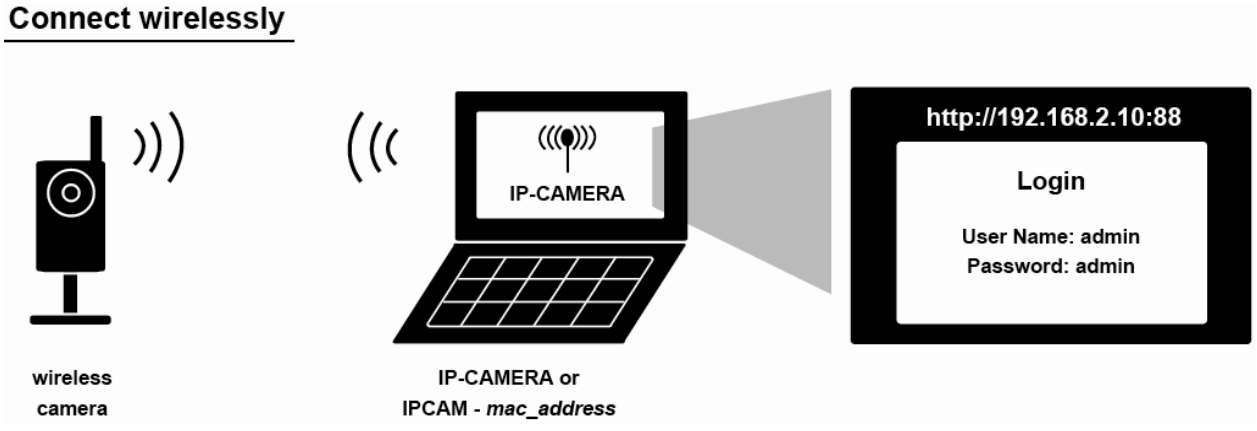
Connect wirelessly

Scan and join the wireless network with the SSID "**IP-CAMERA**" or "**IPCAM–*mac_address***" from your laptop, where "***mac_address***" is the MAC address of the camera, such as ***000E53EBD2BF***, and you can find it on the rear panel sticker.

Note: The wireless network, "IP-CAMERA" or "IPCAM – *mac_address*", is generated from the camera itself. If you can't find it, wait for a while and try again. No password is needed to join the network.

Open Internet Explorer, and enter "http://192.168.2.10:88" to access and log into the camera.

Note: The default user name and password for login are both "admin".

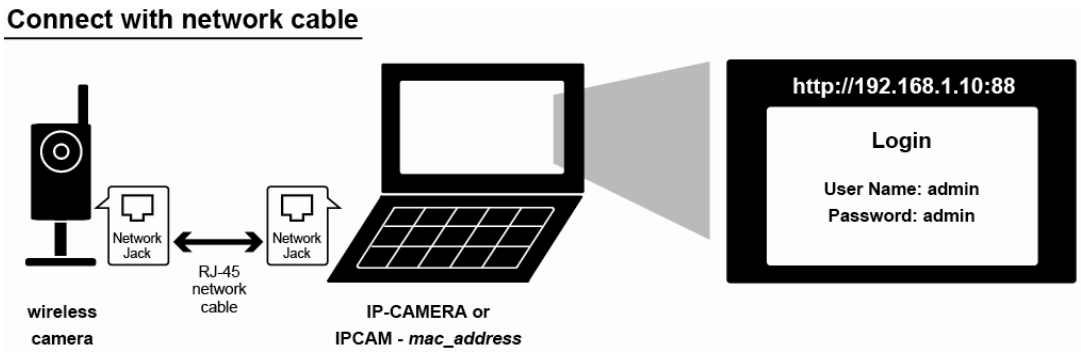


Connect with network cable

Connect your camera to your laptop / computer with a network cable.

Open Internet Explorer, and enter “http://192.168.2.10:88” to access and log into the camera.

Note: The default user name and password for login are both “admin”.

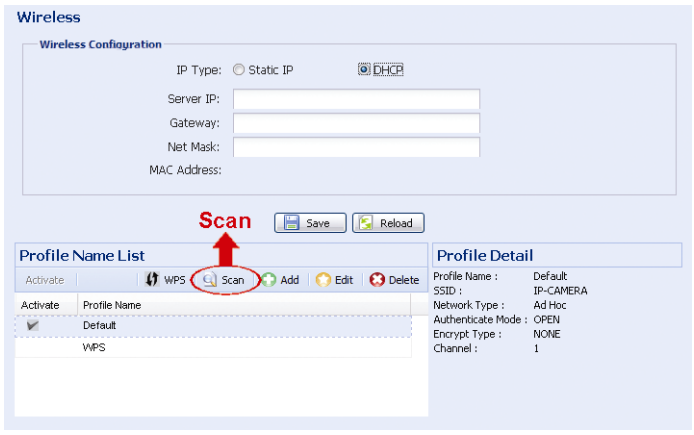


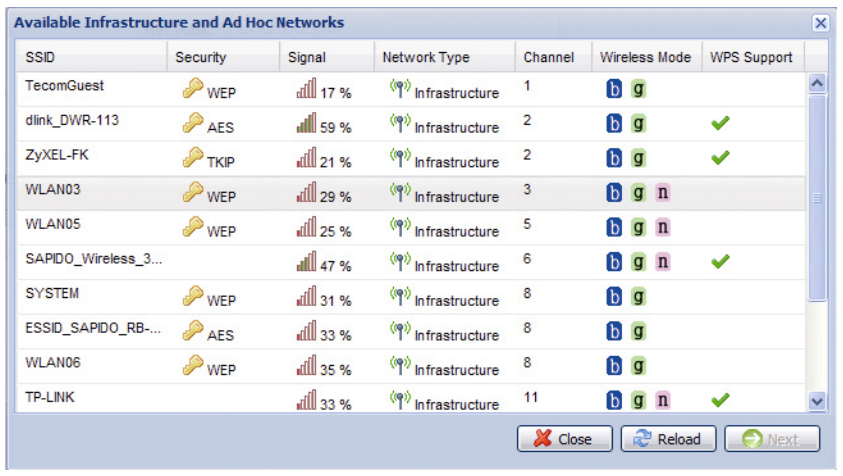
b) Skip the wizard. If you’re prompted to install the add-on, “H264 Streaming Viewer”, please install it.

c) Select “Config.” and go to “Network” → “Wireless”.

d) Click “Scan” to search all available wireless access points / networks (SSID), and double-click the one your camera is intended to configure for.

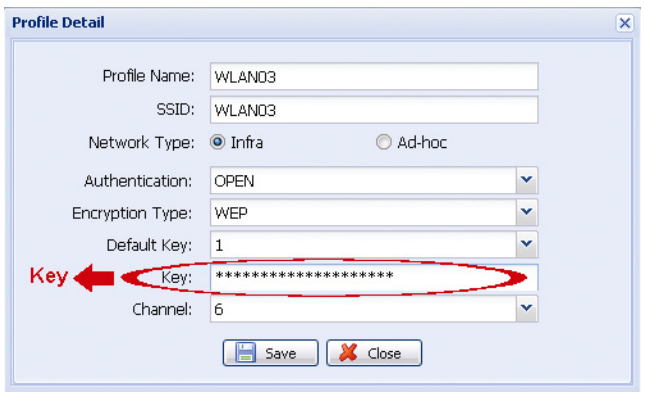
Note: This method is available only when the signal strength of the wireless access point / network your camera is intended to configure for is not too weak, and it’s set to open for searching.
If this method is not working, please manually add the wireless profile as described in “APPENDIX 4 ADDING WIRELESS PROFILE MANUALLY” at page 27.





e) The setting for the selected wireless access point / network will be shown except for the “Key” column.

Enter the password to access the selected wireless access point / network in “Key”, and click “Save”. The selected wireless access point / network will be added to “Profile Name List” and activated.



f) Close Internet Explorer, and disconnect the wireless network on your laptop.

g) Check the LAN status indicator ( ) on the camera, and see if it’s always on.

- If yes, the camera is connected to the wireless network successfully.
- If no, please check if you enter the right password to join the wireless network, and try again.

Note: Please also remember to restore the IP setting of your laptop / computer.

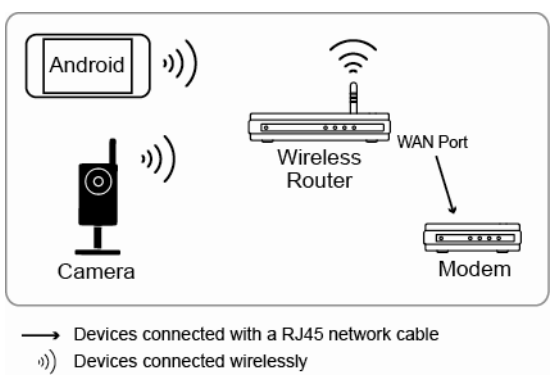
3.2 Connect your camera to Internet (WAN)

Before configuring this camera on your Android mobile phone or tablet, make sure:

- (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 3 CONFIGURE PORT FORWARDING" at page 26.

- Make sure your connection is as illustrated below:



Connect your android device to the same wireless network as the camera connected.

- You know the IP address to access your wireless router. If you don't know, please refer to its user manual.

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

Then, follow the steps below to connect your camera to Internet:

Step1: Connect your Android device to the same wireless network (SSID) as the camera connected.

Step2: Open "EagleEyes" on your Android device.

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

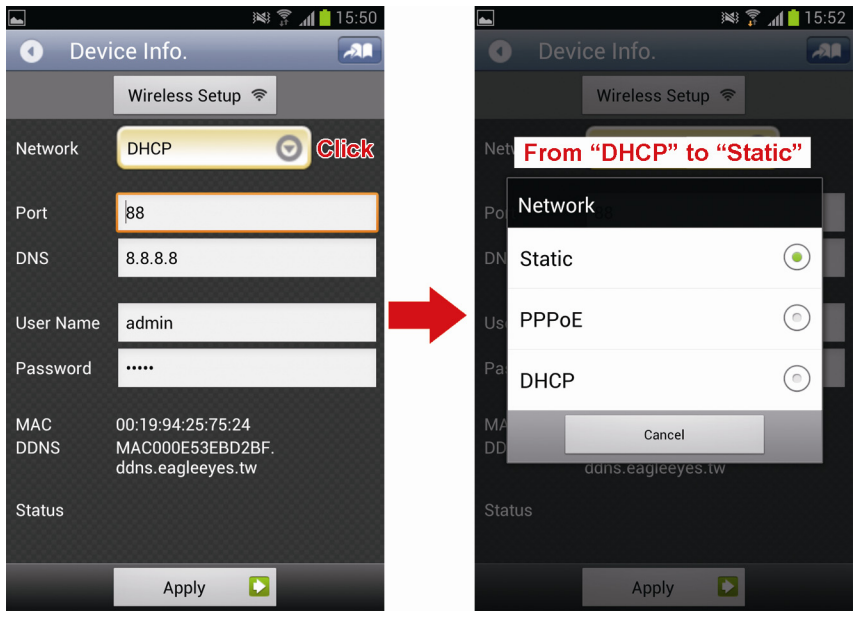
Note: If you can't find the camera, make sure your LAN status indicator (🌡) is always on, and search again after 3 minutes.

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

Then, click the drop-down list of “Network” to change the network type from “DHCP” to “Static”.

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

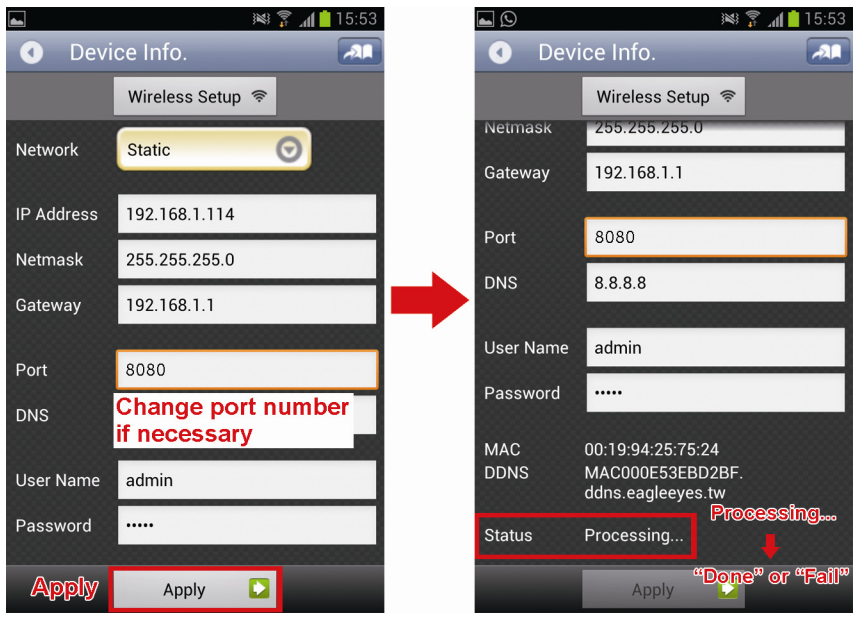


Note: It’s not recommended to use the port number of 80 since some phone carriers might block this port for network access.

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.



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

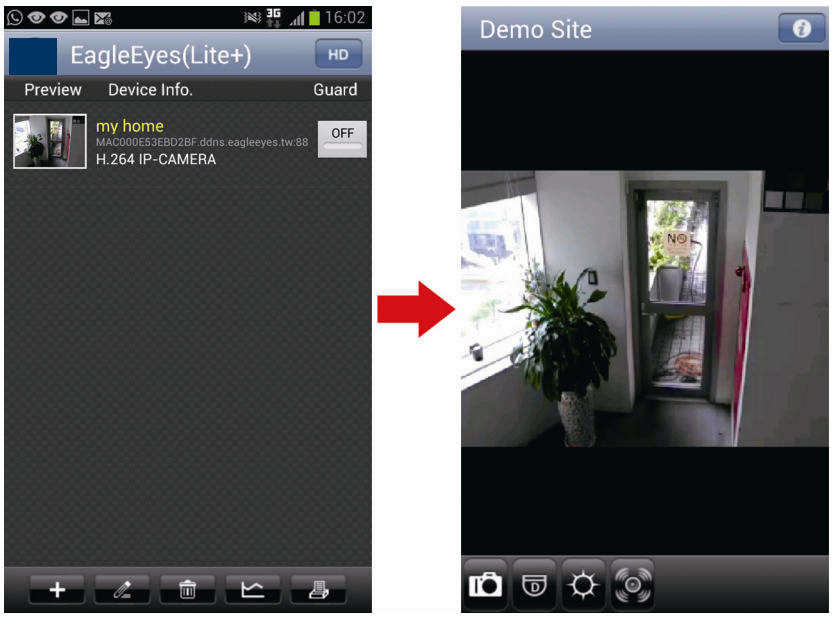
Step6: Go to “Check your connection” below to examine your connection.

Check your connection

Step1: Switch the network mode to 3G mode on your android device.

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 successful.
- If no, go to Step4.



Step3: Switch your network mode to wireless mode on your Android mobile device.

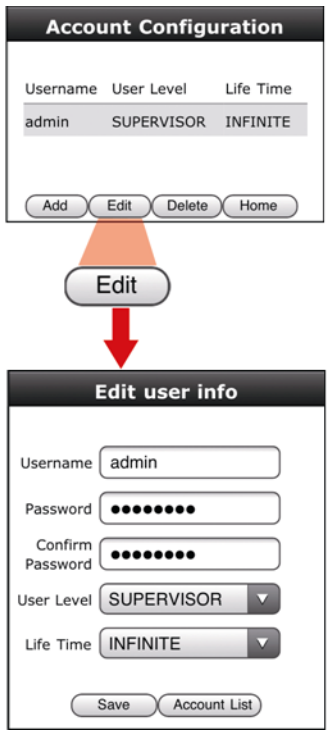
Step4: Start EagleEyes, and add a new connection with the IP address (e.g. 192.168.1.114) and the port number (e.g. 8080). Then, try this connection and see if you can access the camera successfully.

- If yes, go for port forwarding setting as instructed in “APPENDIX 3 CONFIGURE PORT FORWARDING” at page 26.
- If no, return to Step1 in “3 Configure with Android mobile devices” and re-configure the network again.

3.3 Change default password

In the live view, click “ ” on the top right corner to enter the quick configuration page.

Scroll down the page, and select “Advanced” to go to the advanced configuration page. Select “Advanced Setup” → “Account”. Then, select the default account “admin”, and click “Edit” to modify the default password.



4 Configure with laptop / computer

Before using your laptop / computer to configure this camera to Internet, make sure:

- You have a laptop / computer which supports wireless connection.
- The camera is installed and powered on.

4.1 Connect your camera to wireless network (LAN)

There are three ways to connect your camera to the wireless network:

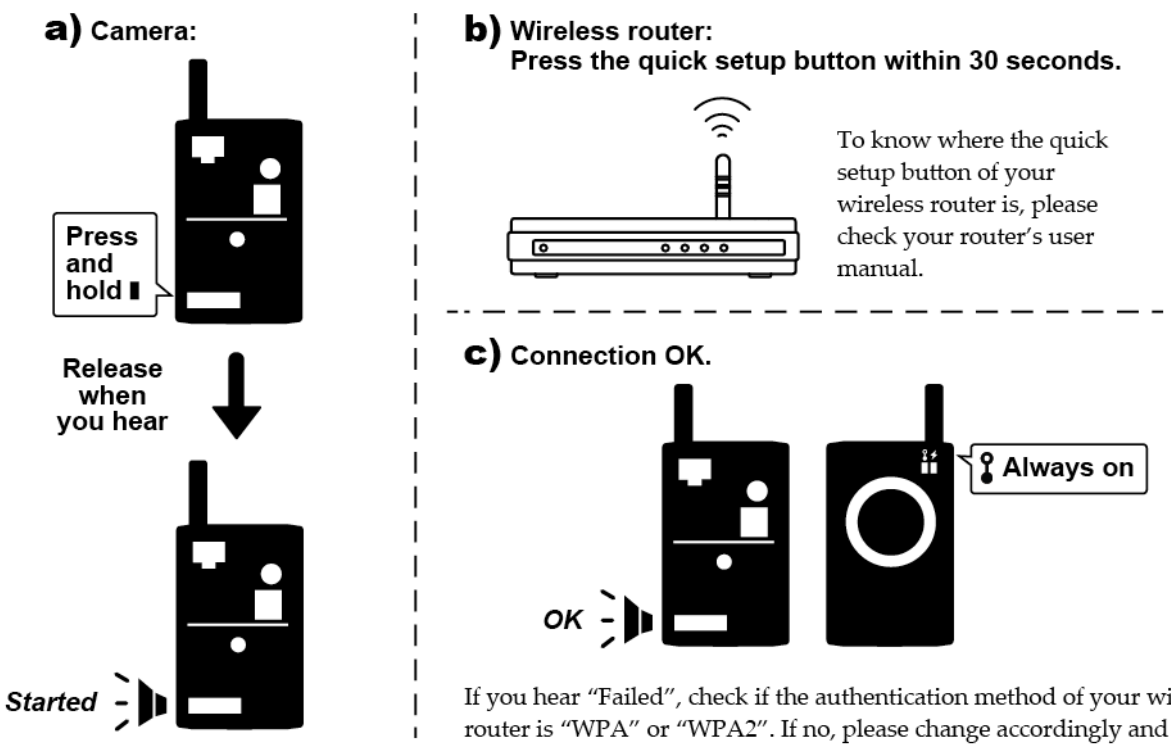
- By using **quick wireless connection setup with one press** when your wireless router also supports this function.

  For details, please refer to "4.1.1 Quick wireless connection" at page 16.

- By using a **laptop / computer**, and you know the password to join the wireless network you want.

  For details, please refer to "4.1.2 Laptop / Computer" at page 17.

4.1.1 Quick wireless connection



Note: The quick wireless connection setup function could be a virtual button on the wireless configuration page, or a physical button on the wireless router depending on the router's brand.

Note: If you hear "Failed", check if the wireless authentication of your router is WPA or WPA2. If no, please change the authentication method to WPA or WPA2, or go to "2.1.2" or "2.1.3" to complete the setup and connection in another way.

Check the LAN status indicator (🌡) on the camera, and see if it's always on.

Note: The LAN status indicator (🌡) must be always on to ensure the camera is connected to the wireless network you want.

4.1.2 Laptop / Computer

You need to connect your camera, **wirelessly** or **with a network cable**, to your laptop / computer to configure your camera to connect to your wireless network.

Before starting the setup, make sure:

- Your laptop / computer supports wireless network connections.
- The IP address of your laptop / computer is changed to
  - "192.168.2.*xx*" if you want to wirelessly connect your camera and laptop / computer, or
  - "192.168.1.*xx*" if you want to connect your camera and laptop / computer with a network cable,
  where *xx* could be 1 ~ 255 except 10.

Note: For details, please refer to "APPENDIX 1 CHANGE IP ADDRESS OF YOUR LAPTOP / COMPUTER" at page 22.

- You know the user name and password to join the wireless network you want to use.
- The camera is powered on.

a) Follow the steps below to connect this camera to your wireless network:

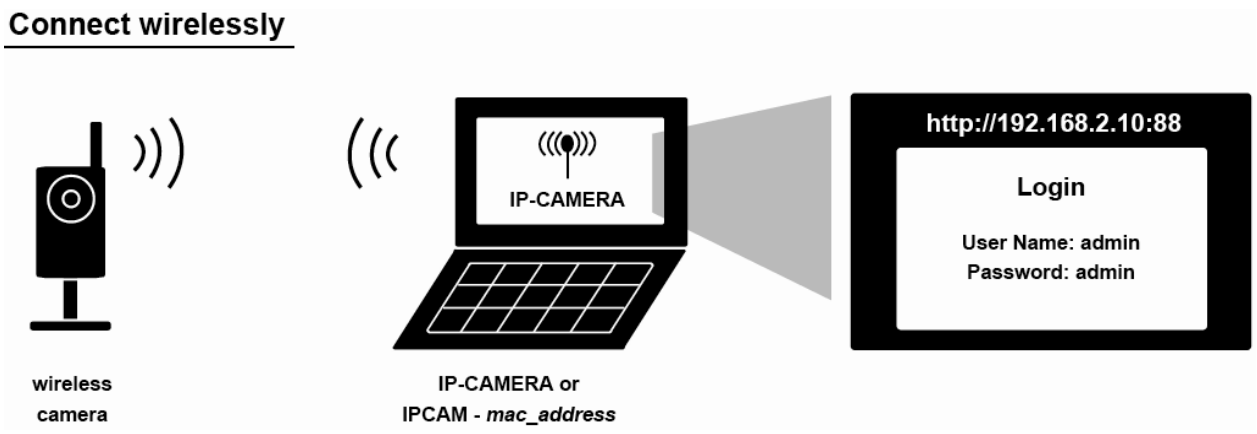
Connect wirelessly

Scan and join the wireless network with the SSID "**IP-CAMERA**" or "**IPCAM–*mac_address***" from your laptop, where "***mac_address***" is the MAC address of the camera, such as ***000E53EBD2BF***, and you can find it on the rear panel sticker.

Note: The wireless network, "IP-CAMERA" or "IPCAM – *mac_address*", is generated from the camera itself. If you can't find it, wait for a while and try again. No password is needed to join the network.

Open Internet Explorer, and enter "http://192.168.2.10:88" to access and log into the camera.

Note: The default user name and password for login are both "admin".

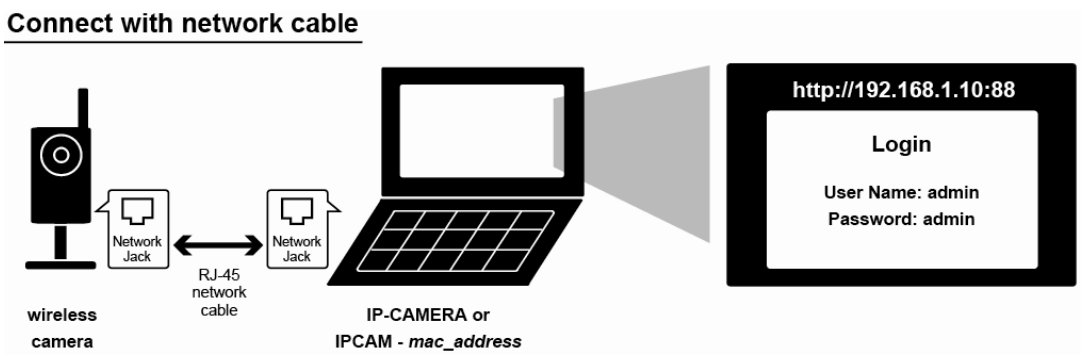


Connect with network cable

Connect your camera to your laptop / computer with a network cable.

Open Internet Explorer, and enter "http://192.168.2.10:88" to access and log into the camera.

Note: The default user name and password for login are both "admin".

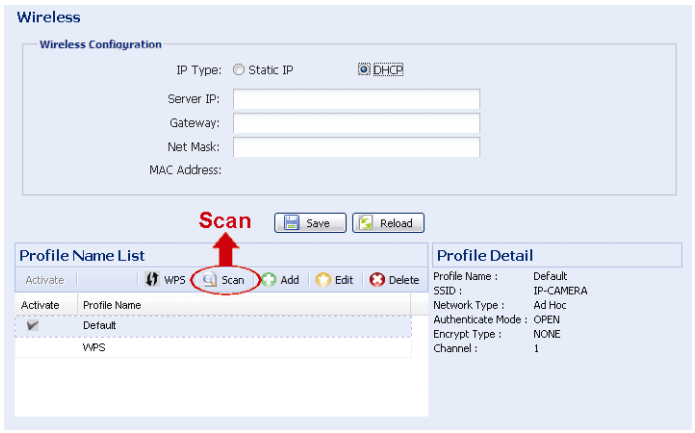


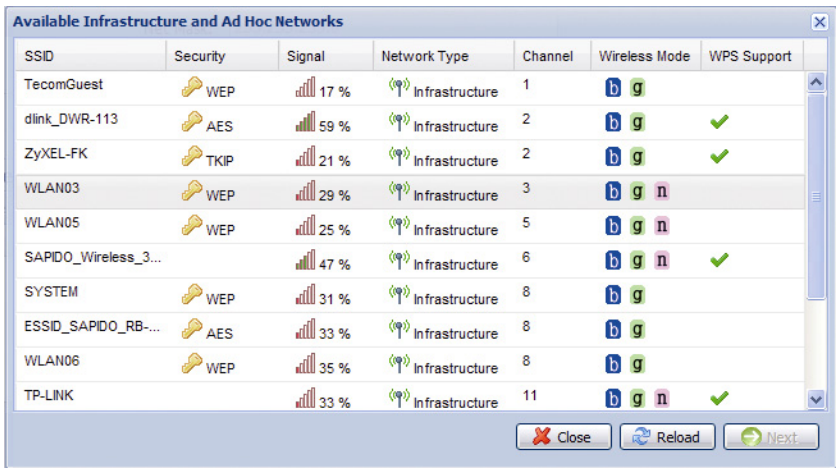
b) Skip the wizard. If you're prompted to install the add-on, "H264 Streaming Viewer", please install it.

c) Select “Config.” and go to “Network” → “Wireless”.

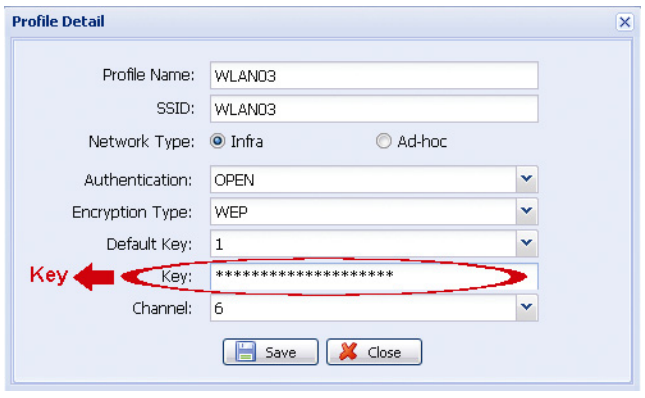
d) Click “Scan” to search all available wireless access points / networks (SSID), and double-click the one your camera is intended to configure for.

Note: This method is available only when the signal strength of the wireless access point / network your camera is intended to configure for is not too weak, and it’s set to open for searching.
If this method is not working, please manually add the wireless profile as described in “APPENDIX 4 ADDING WIRELESS PROFILE MANUALLY” at page 27.





e) The setting for the selected wireless access point / network will be shown except for the “Key” column.
Enter the password to access the selected wireless access point / network in “Key”, and click “Save”. The selected wireless access point / network will be added to “Profile Name List” and activated.



f) Close Internet Explorer, and disconnect the wireless network on your laptop.

g) Check the LAN status indicator ( ) on the camera, and see if it’s always on.
- If yes, the camera is connected to the wireless network successfully.
- If no, please check if you enter the right password to join the wireless network, and try again.

Note: Please also remember to restore the IP setting of your laptop / computer.

4.2 Connect your camera to Internet (WAN)

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

- The Windows operating system of your laptop / computer 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 3 CONFIGURE PORT FORWARDING" at page 26.

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

Note: Please download "IPScan.exe" from HERE.

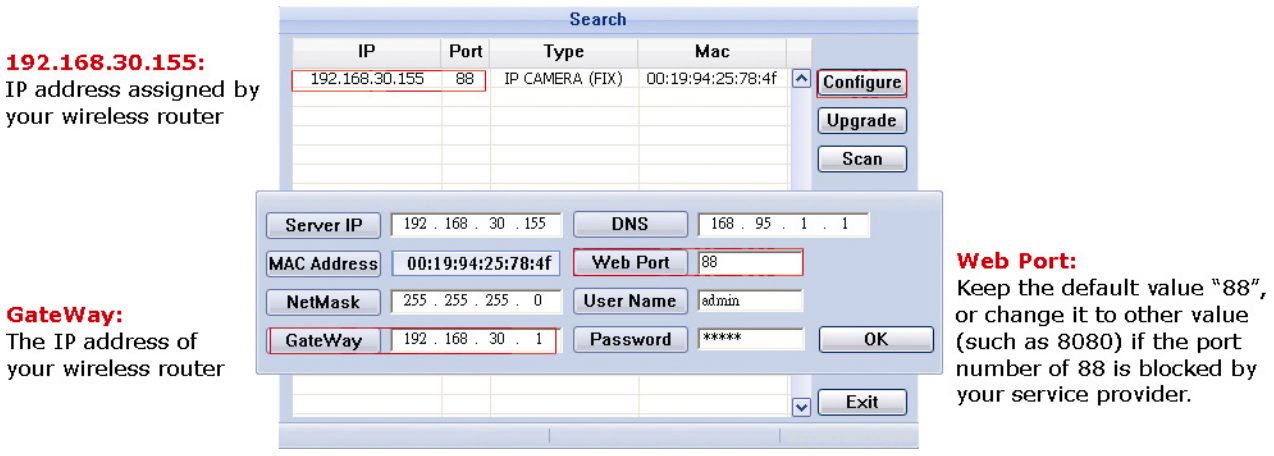
Connect a camera to the Internet

Step1: Connect your laptop / computer to the same wireless network as the camera connected.

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

- Note down the IP address and port number after search, such as "192.168.30.155" 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://192.168.30.155:88* in our example.

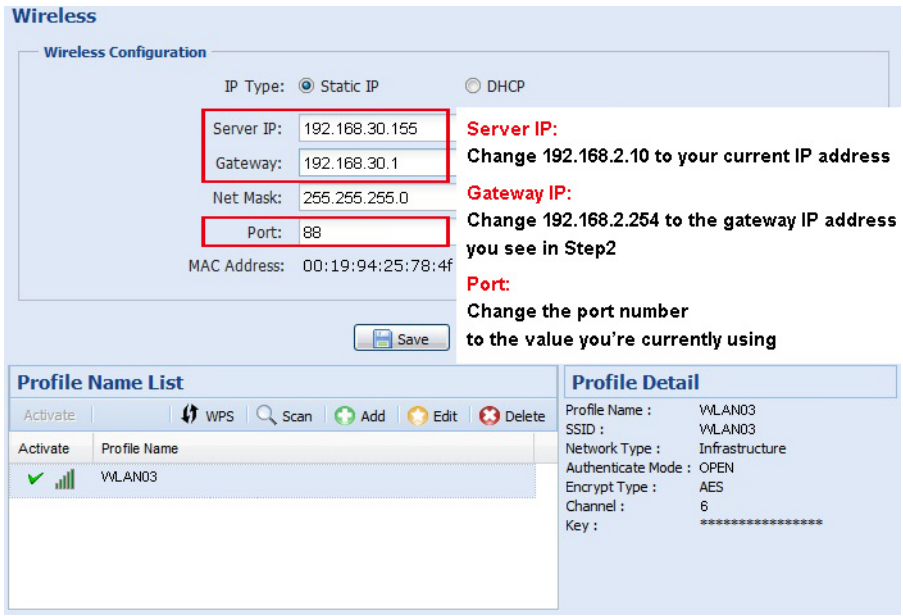
In the login page, enter the user name, password, and security code to access.

Note: Please skip the wizard.

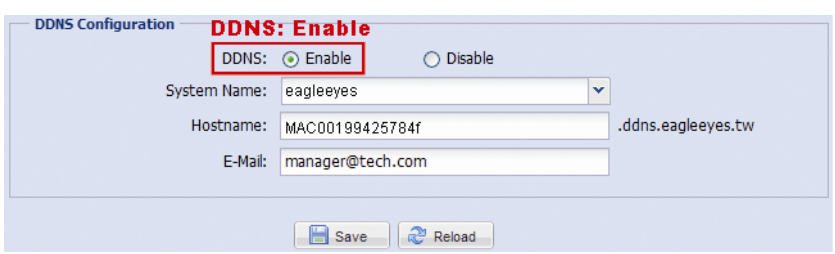
Step4: Go to "Config." ➔ "Wireless", and in the setting page, switch from "DHCP" to "Static".

Change "Server IP", "Gateway", and "Port" as needed.

- "Server IP" is the IP address you're currently using for this camera.
- "Gateway" is the IP address you note down in Step2.
- "Port" is the port number you're currently using for this camera. The default value is "88". If you change it in Step2, please change the value here accordingly.



Step5: Go to "Config." ➔ "DDNS", and enable the DDNS service.



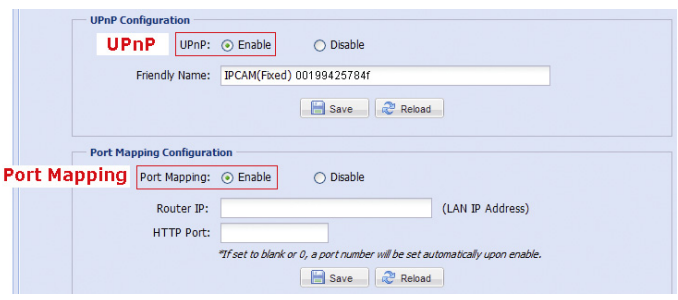
- If your router supports UPnP, please proceed Step6.
- If your router doesn't support UPnP, note down the host name, such as *MAC00199425784f.ddns.eagleeyes.tw*, and click "Save". Then, access your wireless router for port forwarding as instructed in "APPENDIX 3 CONFIGURE PORT FORWARDING" at page 26.

Step6: 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, save, and log out the camera.



You can use the host name you noted down in Step5 to access your camera, such as *MAC000199425784f.ddns.eagleeyes.tw*, or the IP address shown in Step6 to access your camera. And the default port number is 88.

Step7: Go to "Check your connection" below to examine your connection.

Check your connection

Step1: Check if the LAN ( ) and Internet ( ) status indicators on the camera are always on.

- If they're both always on (no blinking), go to Step2.
- If the Internet status indicator ( ) blinks after 5 seconds*, please continue with configuring port forwarding as instructed in "APPENDIX 3 CONFIGURE PORT FORWARDING" at page 26.

*The blinking frequency is 5 seconds on → 0.5 second off → 0.5 second on → 0.5 second off → 5 seconds on.

Step2: Connect your laptop / computer to Internet with the wireless network other than this camera is connected, or switch the network mode of your smart phone from wireless to 3G.

Step3: Open Internet Explorer on your laptop / computer, or the built-in web browser on your smart phone, and 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***”.

- If yes, your network setup is completed.
- If no, go to Step4.

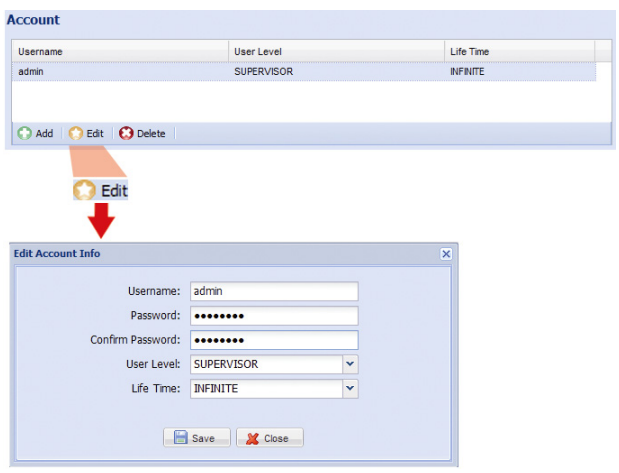
Step4: If you can access with your laptop / computer, but you are failed with your smart phone, the port you’re using for the camera might be blocked. Please return to Step2 of “Connect a camera to the Internet” to change the port number to another value.

Step5: Complete the setup, and examine your connection again as instructed in “Check your connection”

4.3 Change default password

Select “Config.” → “General” → “Account”.

Select the default account “admin”, and click “Edit” to change the default password.



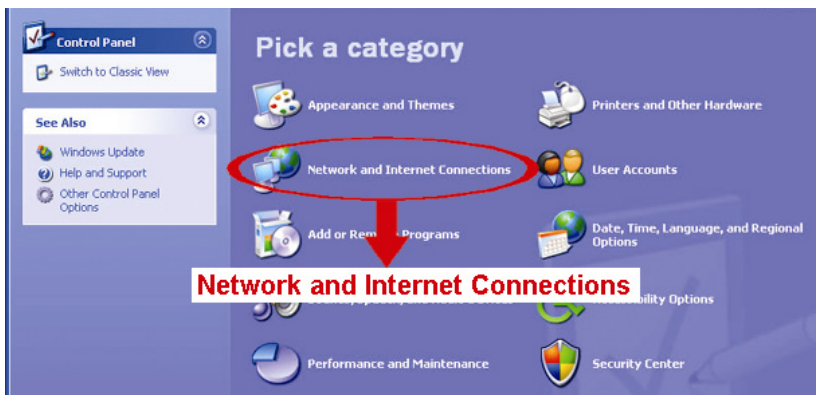
APPENDIX 1 CHANGE IP ADDRESS OF YOUR LAPTOP / COMPUTER

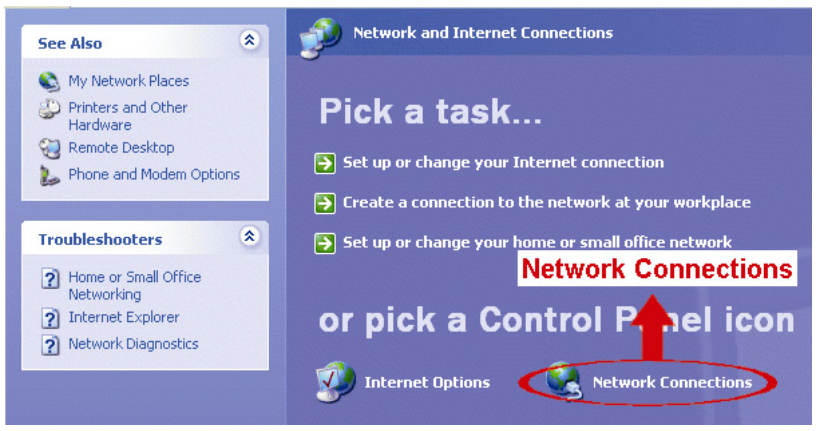
For LAN connection with this network camera, you need to change the IP address of your laptop / computer to ***192.168.1.xxx*** (1~255, except 10) first.

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

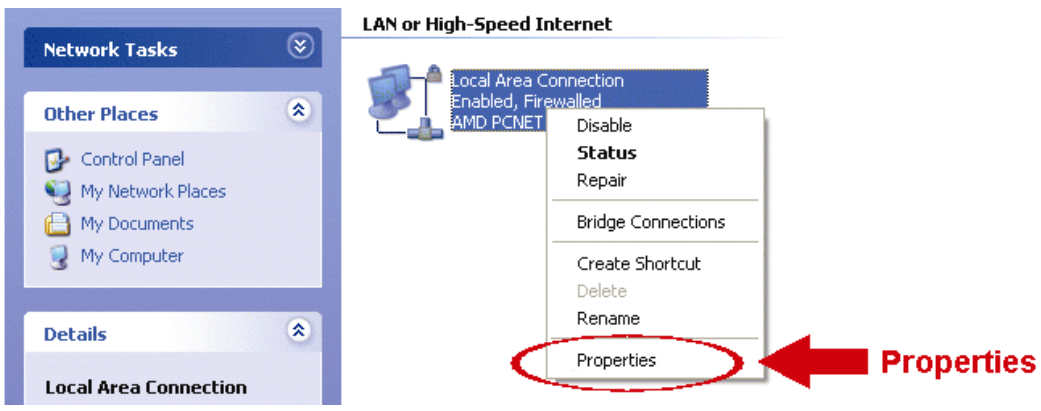
For Windows XP users:

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”.

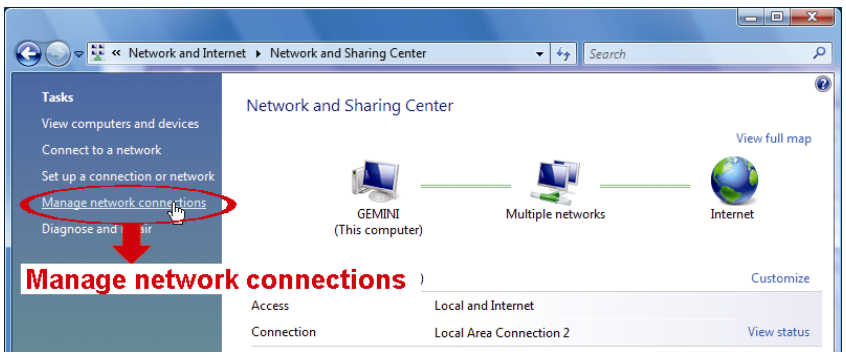
d) In the “General” tab, select “Use the following IP address”, and set the IP address to “192.168.1.XXX” (XXX can be any value from 1~255 except 10).

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 computer network settings for connecting to Internet later.

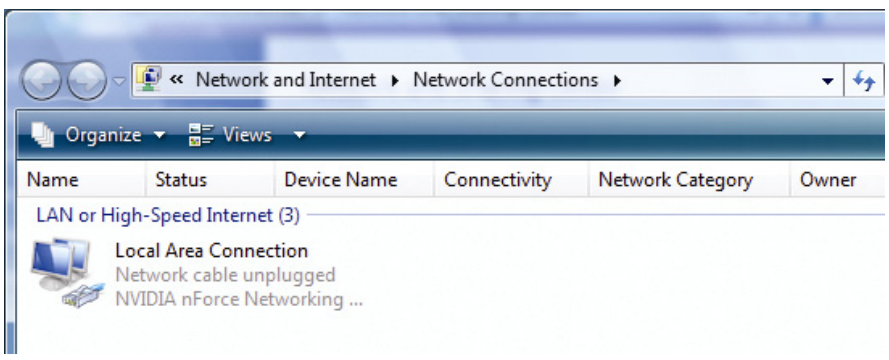
e) Click “OK” to close the “Internet Protocol (TCP/IP) Properties” dialog box. Then, click “Close” to close the “Local Area Connection Properties” dialog box.

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".

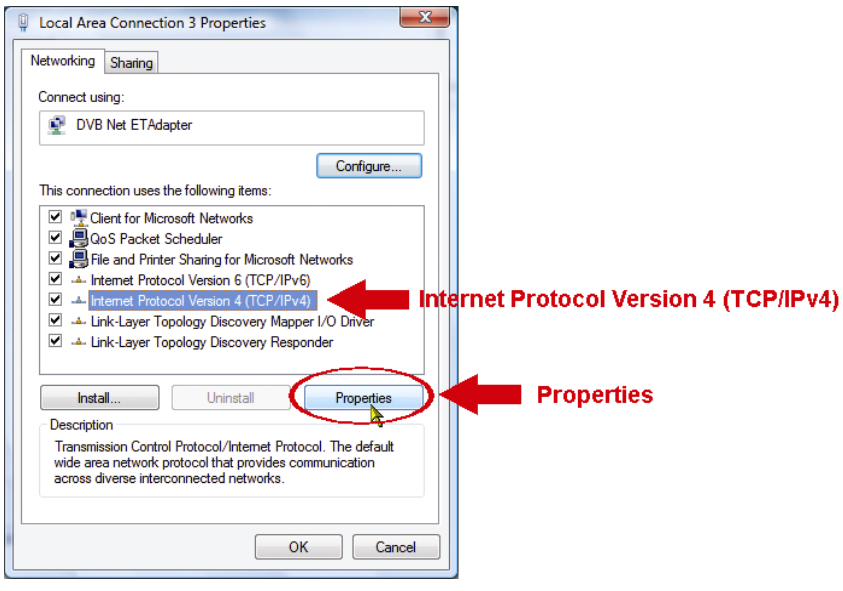


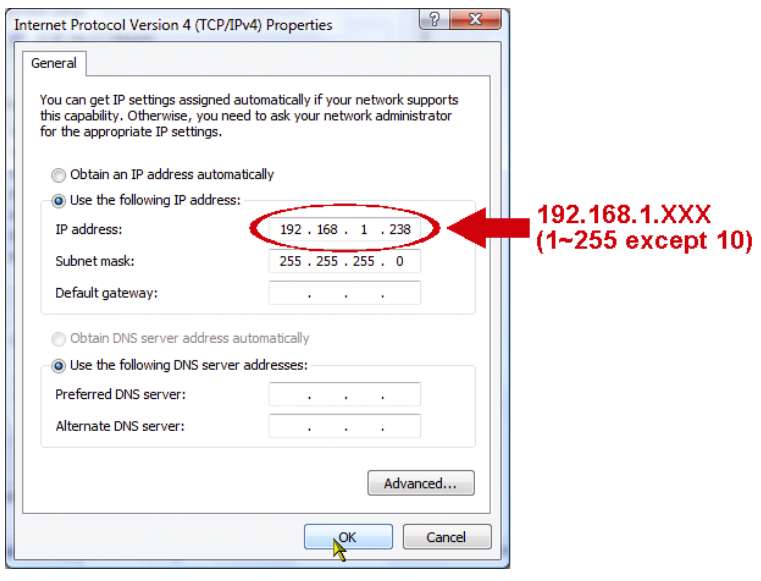
Note: If your local area connection is not enabled, please also enable it.

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 computer network settings for connecting to Internet later.

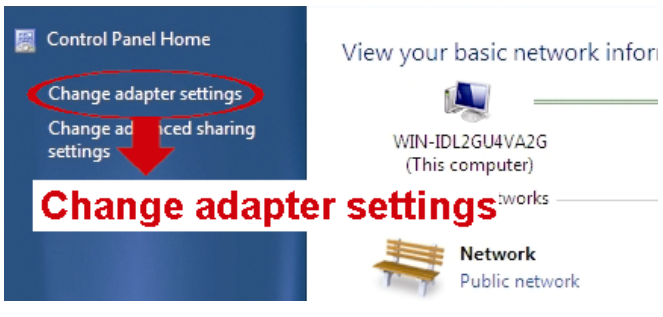




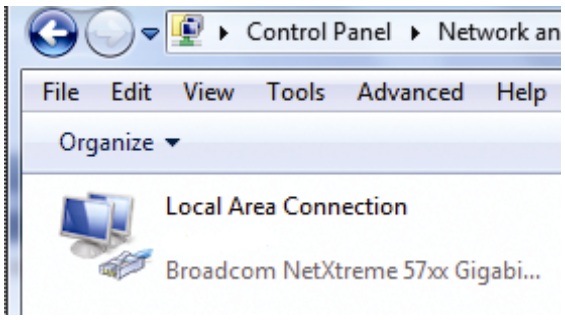
e) Click "OK" to close the "Internet Protocol Version 4 (TCP/IPv4) Properties" dialog box. Then, click "Close" to close the "Local Area Connection Properties" dialog box.

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”.

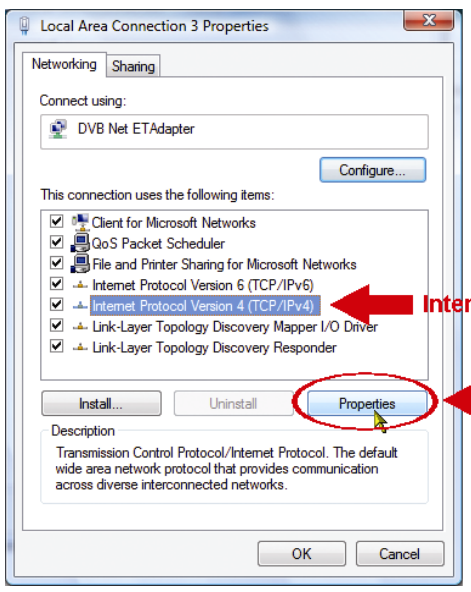


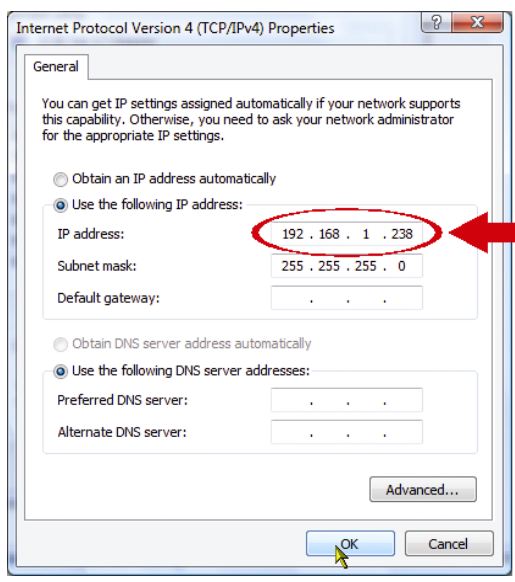
Note: If your local area connection is not enabled, please also enable it.

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 computer 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

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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, *EagleEyesHD Plus* for iPad, and *EagleEyes(Plus+)* for Android mobile devices).
- It's compatible with several popular mobile platforms, such as iOS, Symbian, Windows Mobile, BlackBerry, 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 device, and sign in.

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

Select the mobile platform you're using to enter its individual download page.

Note: You can also find *EagleEyes* on "App Store" / "Play Store" from your iOS / Android mobile devices.

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.

APPENDIX 3 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 / computer 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 the camera with laptop / computer 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.

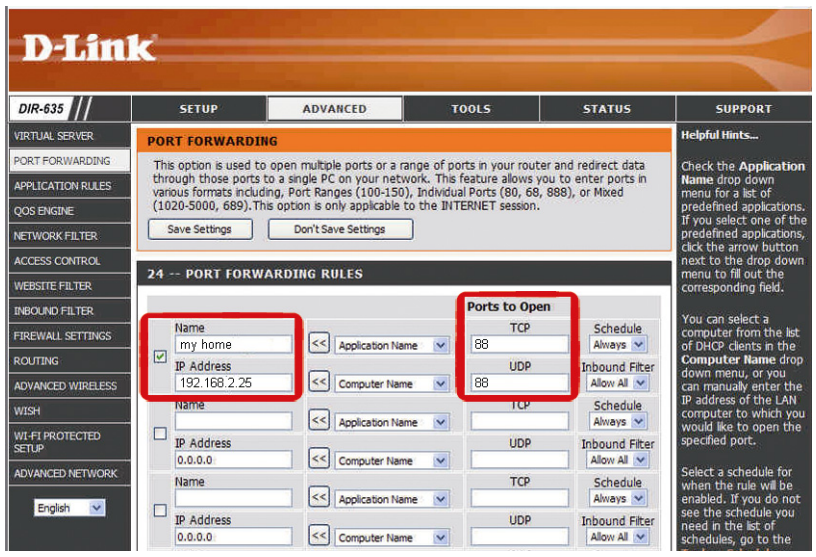
Step2: In the router setting interface, go to the port forwarding (or virtual server) rule configuration page.

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".

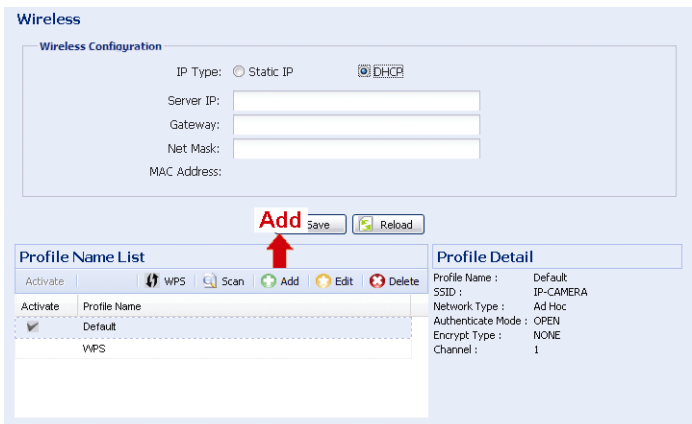


IP Address:	The IP address of the camera assigned by your router.
Ports to Open:	The port number you set for the camera.

APPENDIX 4 ADDING WIRELESS PROFILE MANUALLY

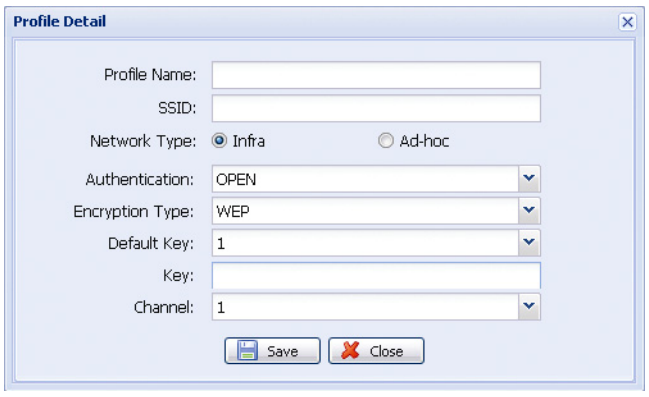
You can also add the wireless profile manually in the system configuration page from the web browser.

Step1: Click “Add” to create a profile manually.



Step2: In “Profile Detail”, enter all the necessary information for access the wireless network, and click “Save”. The selected wireless access point / router will be added to “Profile Name List”.

Note: The setting items shown below may vary based on each option selected.



Item		Description
Profile Name		Give a meaningful name for this Wireless profile.
SSID		This is the name of the wireless access point / router your camera wants to configure for.
Network Type	Infra	Select it when the camera will access the wireless network via an access point or router.
	Ad-hoc	Select it when the camera will connect to other wireless devices, such as your computer or laptop, with a wireless connection.
Authentication		Check which authentication method is used for the wireless access point / router and select the correct one: “Open”, “Shared”, WPAPSK” or “WPA2PSK”.
Encryption Type		Check which encryption type is used for the wireless access point / router and select the correct one: “WEP”, TKIP” or “AES”. Select “NONE” to disable key authentication for wireless network access.
Default Key		In 64-bit WEP, 4 keys are available; in 128-bit WEP, only 1 key is available. Check which key is used for the wireless access point / router and select the correct one.
Key		Enter the key used to access the wireless access point / router. When “WEP” is selected ● For 64 bit, the length of the key allows up to 10 alphanumeric characters or 5 ASCII characters. ● For 128 bit, the length of the key allows up to 26 alphanumeric characters or 13 ASCII characters. When “TKIP” or “AES” is selected The length of the key allows 8 ~ 63 alphanumeric characters.
Channel		Check which channel is used for the wireless access point / router and select the correct one.