How to setup wireless function of Edimax IP Camera

The wireless function of Edimax IP Camera is disabled by default. You need to hardwired the camera by Ethernet cable to connect the camera to your network first.

Introduction

For any new wi-fi devices (wireless computers, Edimax wireless camera, iPhone, Android) to join a Wi-Fi network, you need to know two things about your Wi-Fi network.

- 1. The SSID is the name of the wireless network.
- 2. The wireless encryption password of the wireless network.

If you have no idea above the above two, you need to check your wireless router's setting and find them out.

Procedures

Step 1. We recommend you assign a static IP address to IP camera, therefore, you'd better know the IP addresses used in your network.

1. Go to a computer which connects to your network as usual. Hardwired computer is preferred.

2. For Windows XP, click on Start, click on Run. Enter "cmd" hit OK.

For Windows 7/Windows Vista, click on Start, go to "Search programs & files", enter "cmd" hit OK.

3. In the command prompt window, enter "ipconfig" hit Enter. Locate the IP v4 address, subnet mask, and default gateway.

4. You can minimize the command prompt. The command prompt will be used later.



In above example, the computer has IP 192.168.0.100 while the wireless router is 192.168.0.1.

Step 2. Install the IP Camera software from CD disk.

Step 3. We are going to change the IP address to Edimax camera to fit with our network. Open the IPCam Admin utility. The default IP address of camera is 192.168.2.3. We are going to change it to 192.168.0.10.



Click on "Configure camera". Enter the password '1234'. Click Ok.

The default IP is 192.168.2.3. We enter the a new IP 192.168.0.10, Gateway 192.168.0.1, and DNS server 192.168.0.1.

| Admin v3.0.17 | | Admin v3.0.17 | |
|----------------------|-----------------------|----------------------|---------------------|
| Internet | Camera Admin Software | Internet | Camera Admin Softwa |
| Lan Setting Security | 4 | Lan Setting Security | |
| C DHCP | • Manual IP | C DHCP | © Manual IP |
| IP | 192 . 168 . 2 . 3 | IP | 192 . 168 . 0 . 10 |
| Netmask | 255 . 255 . 255 . 0 | Netmask | 255 255 255 0 |
| Gateway | 192 . 168 . 2 . 1 | Gateway | 192 168 0 1 |
| DNS | 192 . 168 . 2 . 1 | DNS | 192 . 168 . 0 . 1 |
| Web Port | 80 | Web Port | 80 |
| OK Cancel | | OK Cancel | |

Step 4. Open Internet Explorer or other browser. Enter the IP address of Edimax Camera.

| Occument Error: Unauthorized - Windows Internet Explorer |
|--|
| |
| File Edit View Favorites Tools Help |
| 👷 Favorites 🔘 Connecting |
| Windows Security |
| Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection). |
| admin 1234 Remember my credentials |
| OK Cancel |

Login with username admin and password 1234.

If it prompts to install an ActiveX, click on Run Add-On.



Step 5. Go to Network, go to WLAN. Click on the circle for Enable Wireless Connection. It shows all the available wireless networks near the camera. You should see the SSID of your wireless network.

| Pan & Tilt | Network | Motion Detection | on OSy | /stem 💛 | Account SDH | C English |
|--|--|------------------------|----------------------------------|---------|--------------|----------------|
| | | | Networ | k | | |
| LAN | WLAN | Dynamic DNS | | UPnP | LoginFree | RTSF |
| Vireless Vireles Network Availabl | S LAN S Connection : K Type : e Networks : | ● El Infras Refr | nable) D structure ↓ resh |)isable | | |
| Connect | SSID | MAC Address | Signal | Channel | Encryption | Network Type |
| \odot | Edimax AP1 | 00:1F:1F:68:1E:20 | att | 1 | WPA2PSK(AES) | Infrastructure |
| ٥ | BR-6225n | 00:1F:1F:D5:8D:00 | att | 1 | WPA2PSK(AES) | Infrastructure |
| ~ | 60050 | 00:45:45:04:04:44 | | 4 | | |

You may want to pay attention about the Signal and Encryption for your wireless network. Click on the circle in front of the SSID of your wireless network to connect. Once you click on the Connect button, its SSID, Authentication/Encryption will be copied to

| ✓ SSID : | BR-6225n |
|---------------------------------------|-----------------------------------|
| ✓ Channel : | 11 - |
| Authentictation : | WPA2-PSK - |
| ✓ Encryption Type : | AES 🗸 |
| 😻 WPA Pre-Shared Key : | ***** |
| ✓ WEP Key Length : | 64-Bit Delete all the * to make |
| ✓ WEP Key Format : | HEX vour wireless security |
| 🛩 Default Key : | 1 - password to the field. |
| ✓ WEP Key 1 : | (Required) |
| ✓ WEP Key 2 : | (Required) |
| ♥ WEP Key 3 : | (Required) |
| ✓ WEP Key 4 : | (Required) |
| | Apply |

below table.

Delete all the * in the field of WPA Pre-Shared Key. Enter your WPA pre-shared key of your wireless network. Please note the pre-shared key is case-sensitive ('A' is different than 'a'). So please enter the security key carefully. Then press "Apply".

There is no any message after you click on "Apply". The screen seems intact. This is normal.

If your wireless network uses WEP encryption, enter your WEP password repeatedly in WEP Key1, WEP Key2, WEP Key3, WEP Key4. Then press "Apply" button.

| 'an & Tilt | Network | Motion Detection | tion Sy | /stem 😔 | Account SD | English |
|--|--------------------|-------------------|------------------|----------------------------|---|--------------------------------|
| LAN | WLAN | Dynamic DNS | | UPnP | LoginFree | RTS |
| | | | | | | |
| Wireless | LAN | | | | | |
| ✓ Wireles | s Connection : | ۲ | Enable 🔘 [| Disable | | |
| Network | k Type : | In | frastructure 🔻 | · | | |
| 🛛 Availabl | e Networks : | F | lefresh | | | |
| Connect | SSID | MAC Address | Signal | Channel | Encryption | Network Typ |
| \odot | EdimaxCorp | 00:1F:1F:DB:38:32 | 2 4 | 1 | WPA2PSK(AES) | Infrastructure |
| ۲ | kpk1503 | 00:21:91:0D:99:5E | 3 4 | 4 | WEP | Infrastructure |
| Channe Authent Encount | el : ictation : | 1 S | 1 hared Key S | ystem 👻 | | |
| WPA Pr | e-Shared Kev : | vv | EP V | | | |
| WEP K | ey Length : | 64 | I-Bit ▼ | | | |
| VEP K | ey Format : | HE | X 👻 | 10.101 | | |
| 🗸 Default | Key: | 1 | ▼ If er | your wirele iter the WE | ess network uses V P code repeatedly | VEP encryption in KEY1,2,3, |
| VEP K | ey 1 : | 12 | 34567890 | (Required) | | |
| WEP K | ey 2 : | 12 | 34567890 | (Required) | | |
| WEP Ke | ey 3 : | 12 | 34567890 | (Required) | | |
| WEP Ke | ey 4 : | 12 | 34567890 | (Required) | | |
| | | A | pply | | | |

Step 6. Get to the command prompt. Use a command called "ping" to ping the IP address of the camera.



Please note the "-t" at the end of the command. It will do continuously ping until you press Ctrl + C. The result is like this.

| Administrator: Command Prompt - ping 192.168.0.10 -t | x |
|--|---|
| C:\Windows\system32>ping 192.168.0.10 -t Pinging 192.168.0.10 with 32 bytes of data: Reply from 192.168.0.10: bytes=32 time=1ms TTL=64 Reply from 192.168.0.10: bytes=32 time=3ms TTL=64 Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 Reply from 192.168.0.10: bytes=32 time(1ms TTL=64 Reply from 192.168.0. | |
| < | ▶ |

Step 7. Unplug the Ethernet cable from the wireless camera. The wireless LED on the front of the camera turns on and flashes.

| Administrator: Command Prompt - ping 192.168.0.10 -t | J |
|--|---|
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | ٦ |
| Reply from 172.108.0.10. Dytes=32 time(105 111-04 Reply from 192.168.0.10: butes=32 time(105 TTL=64 | |
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | |
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | |
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | |
| Reply from 192.168.0.10: bytes=32 time<1ms IIL=64 Reply from 192.168.0.10: bytes=32 time=2ms IIL=64 | |
| Reply from 172.100.0.10. Dytes-32 time-208 fib-04 Reply from 192 168 0 10: butes=32 time=5ms TTL=64 | |
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | |
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | |
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | |
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | |
| Reply from 192.168.0.10; bytes=32 time<1ms IIL=64 Reply from 192.168.0.10; bytes=32 time=2ms TTL=64 | |
| Renly from 192.168.0.10: bytes=32 time=2Ms IID=04 | |
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | |
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | |
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | |
| Reply Unplug the ethernet from Camera, 2 | |
| Reply flore (| |
| Reply a See a few seconds for "Request 4 | |
| Reply fitime out" Deplice recume after | |
| Reply fume out. Replies resume after 4 | |
| ^{Reply} the wireless connection is made | |
| Reply fund include connection to made. 54 | |
| Reply from 192.168.0.10: bytes=32 time $\langle 1ms TTL=64 \rangle$ | |
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | |
| Reply from 192.168.0.10: bytes=32 time<1ms TTL=64 | |
| Request timed out | |
| Keply from 172.168.0.10: bytes=32 time=1me_11L=64 | |
| Reply from 172.100.0.10. Dytes=32 time=10s 111-44 | |
| Reply from 192.168.0.10: bytes=32 time=1ms TTL=64 | |
| Reply from 192.168.0.10: bytes=32 time=1me Tiu=64 | 1 |
| | 1 |
| | đ |

If you see replies from the camera, Congratulations, the camera is attached to your wireless network successfully.

Press Ctrl + C to stop the PING command. Enter "exit" hit Enter to close the command prompt.

Go to IE http://IP address of Camera and you should be able to see the camera.

Now you can move the wireless camera to a desired spot with its power adapter. Just power it on, the camera will connect to your wireless network successfully.