

How to view IP camera over the Internet with my I-Phone

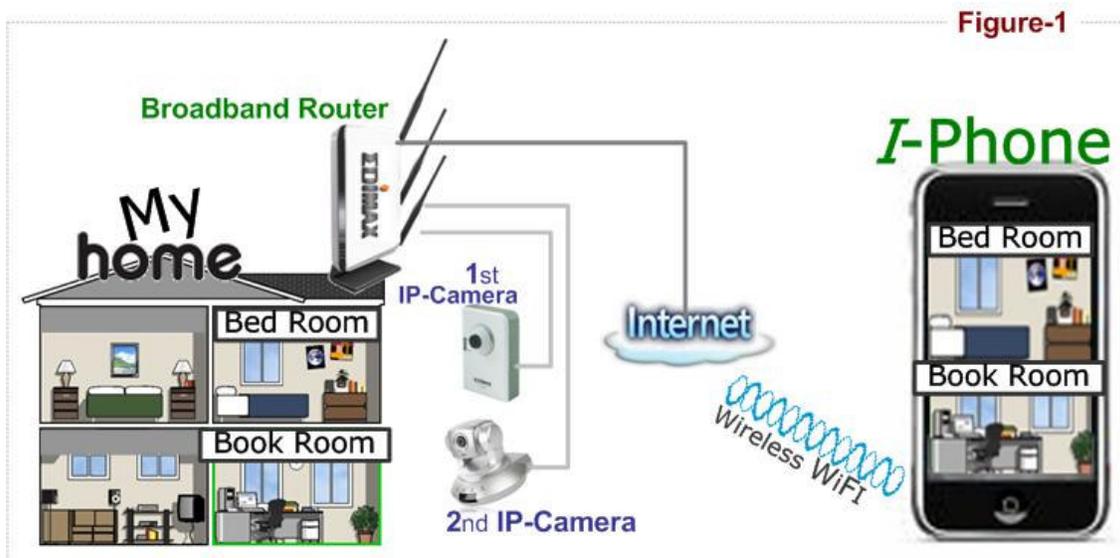
This FAQ applies to the following models:

- * All Edimax routers and IP-Camera (IC-7000PTn only)
- * Apple's I-Phone

Introduction:

A growing number of Apple **I-Phone** users e-mailed **Edimax** co., LTD enquiring how they can monitor their home using Edimax IP-Cameras. To echo such demand, our **I-Phone** friendly Camera , IC-7000PTn, is designed accordingly.

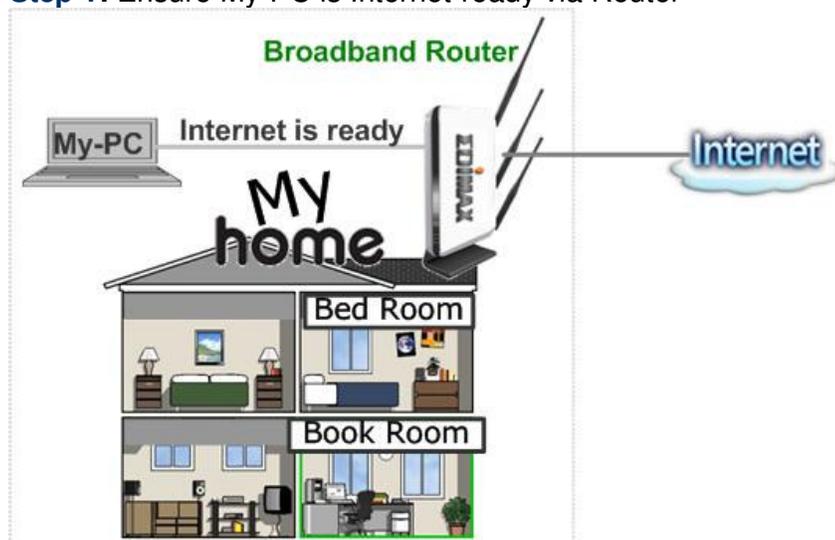
As shown in the **Figure-1**, You can monitor your “**Bed Room** **Book Room**” with your I-Phone.



OK. Let's see how to do this. If luckily, you could view your home in 30 minutes.

Step by Step:

Step 1: Ensure My-PC is Internet-ready via Router



Step 2: Check with your ISP (Internet Service Provider) whether a **Public and fixed IP address** is assigned to you.

An IP address is like an unique phone number that is totally different from all the others' for calling a particular person. You could browse the Internet or monitor your home over the Internet with I-Phone by calling this unique IP address.

Therefore, an unique IP address is a **Public and fixed IP address**. With this, it's much easy for I-Phone monitoring your home.

An IP address looks like four numbers separated with a dot as :
aaa.bbb.ccc.ddd

(1). Fixed and public IP address:

All IP addresses *different from the following* are fixed and public IP address

10.0.0.0 - 10.255.255.255

172.16.0.0 - 172.31.255.255

192.168.0.0 - 192.168.255.255

Write down this IP address and go to **Step 3**. In this guide, we use a hypothetic IP address, 61.61.61.1 (yours is different)

(2). Dynamic IP address

If your ISP service staff can not tell you what IP address is for you, you can still monitor your home with I-Phone, but it turns more complicated.

Your IP address for browsing Internet will change by hours or by days.

Over 90% chance, you may get a dynamic IP address. There is a solution called Dynamic DNS (DDNS) for free. With this, you could register a name like <http://my-name.dyndns.org> for example to find out Edimax IP camera in the I-Phone. To apply for this, refer to the Appendix "How to apply for a free DNS account in the <http://www.dyndns.org> ". In this guide, we assume you have already got <http://my-name.dyndns.org>. (yours may vary) and go to **Step 3**.

Step 3. Configure the 1st Camera based on the following:

The diagram on the left shows a house labeled "My home" with a "Broadband Router" connected to the "Internet". A "My-PC" is also connected to the router. Two IP cameras are shown: a "1st IP-Camera" in the "Bed Room" and a "2nd IP-Camera" in the "Book Room".

The screenshot on the right is titled "Configuration for the 1st camera" and shows the LAN configuration page. The "LAN" tab is selected. The "Network Type" is set to "Static IP Address". The "IP Address" is set to "192.168.2.10", with a note "Change the IP to 192.168.2.10". The "Subnet Mask" is "255.255.255.0" and the "Gateway" is "192.168.2.1", with a note "This is the IP of Edimax router". The "Primary DNS" is "168.95.1.1". The "AV Control Port" is "4321" and the "Web port" is "80", with a note "Web port 80 is preserved for the 1st camera".

Configure the 2nd Camera based on the following:

The diagram shows a home network with a Broadband Router connected to the Internet. A My-PC is connected to the router. The house has a Bed Room and a Book Room. A 1st IP-Camera is in the Bed Room and a 2nd IP-Camera is in the Book Room.

Configuration for the 2nd camera

- LAN (1) Click "LAN"
- Network Type: DHCP Static IP Address
- IP Address: 192.168.2.20 (2) Change the IP to 192.168.2.20
- Subnet Mask: 255.255.255.0
- Gateway: 192.168.2.1 (This is the IP of Edimax router)
- Primary DNS: 168.95.1.1
- Second DNS: [Empty]
- AV Control Port: 4321 (3)
- Web port: 82 ("Web port" 82 is preserved for the 1st camera)

Step 3. Configure the **Broadband Router** based on the following:

Quick Setup | General Setup | EZ View | Status | Tools

Home / General Setup / Advanced Settings / NAT / Virtual Server

(1) Go to "Virtual server" setup page

Enable Virtual Server

Private IP	Computer name	Private Port	Type	Public Port	Comment
192.168.2.10	<< -----Select----- >>	80	Both	80	1st-camera

(2) Enter required information for the 1st camera and click "Add"

Enable Virtual Server

Private IP	Computer name	Private Port	Type	Public Port	Comment
192.168.2.20	<< -----Select----- >>	82	Both	82	2nd-camera

(3) Enter required information for the 2nd camera and click "Add"

Current Virtual Server Table:

NO.	Computer name	Private IP	Private Port	Type	Public Port	Comment	Select
1		192.168.2.10	80	TCP+UDP	80	1st-camera	
2		192.168.2.20	82	TCP+UDP	82	2nd-camera	

Apply Cancel

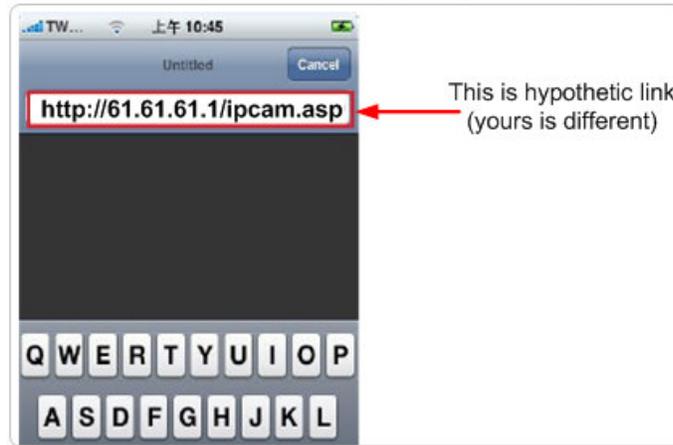
(4) Click "Apply"

Step 4. configuration for the I-Phone.

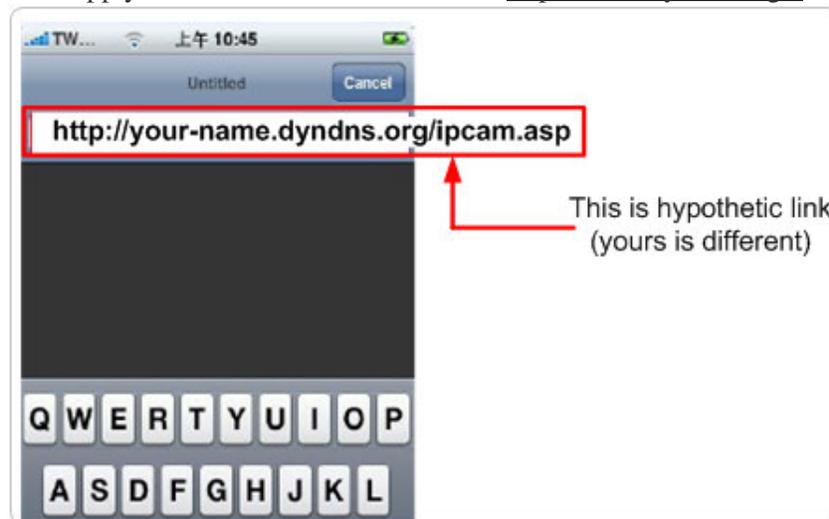
4.1 Make sure browsing Internet is ok in the I-Phone and click "Safari"



4.2 Enter the IP address of your router's "fixed and public IP address" (check the **Step 2** for details) pls /ipcam.asp like below:



If no fixed and public IP address is given by your ISP, you may enter a link like <http://my-name.dyndns.org/ipcam.asp> (Again, this link is hypothetic) You could have your own name like <http://john.dyndns.org>, mary.dyndns.org etc. To apply for n free account, refer to the Appendix "How to apply for a free DNS account in the <http://www.dyndns.org> "



- 4.3 Enter user name & password for the Edimax IP camera
By default, user name is **admin** and password is **1234**



- 4.4 Let's add the 1st IP camera. Click first window and Setting.



- 4.5 Click "Add" when finishing the following configuration:



The 1st IP camera is available in the I-Phone.



4.6 Let's add the 2nd IP camer



4.7 Click “Add” when finishing the following configuration for the 2nd IP camera



All configuration is complete. You could see the live video of the 2 IP cameras.



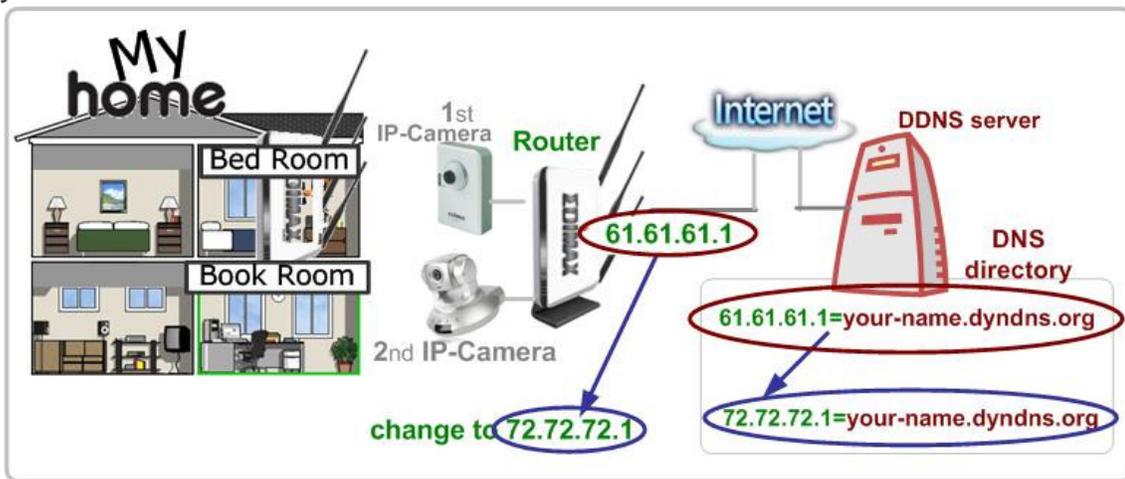
Appendix

How to apply for a free DNS account in the <http://www.dyndns.org>

Introduction

It's very likely your IP address (the Internet location) keeps changing every a couple of hours or every day depending on your ISP's policy. Therefore, as shown in the following figure, you may be assigned with an IP address, "61.61.61.1" hours ago, and now with a new IP address, "72.72.72.1". This means the router at "My-home" can be found at <http://61.61.61.1> over the Internet is no longer available after a few hours. To find out the new location (IP address) of the router at My home over the Internet, you need to login to the router, checking the new IP address. However, this is not a workable solution.

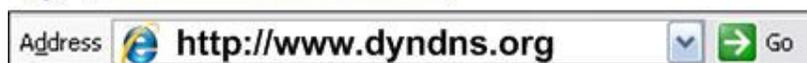
To overcome this problem, a Internet service called DDNS is designed to help you trace the log of the changing IP address linking with a web site address (URL). As shown in the following figure, one PC called DDNS server keeps revising **the record "your-name.dyndns.org vs 61.61.61.1"** in its internal DNS directory. It ends up entering <http://your-name.dyndns.org> in the I-Phone can find out the 2 IP camera at My-home.



The following are steps to apply for an account named "your-name.dyndns.org" in the <http://www.dyndn.org> and how this account is configured into an Edimax router.
Note: <http://www.dyndn.org> is not a branch or affiliate of Edimax. No commercial relation is involved between these 2 company. The related service offered in the <http://www.dyndns.org> is for free for a specific time. However, Edimax does not guarantee this service.

First, go to <http://www.dyndns.org> and apply for an account.
And follow the steps:

1 Go to www.dyndn.org



2 Click "Dynamic DNS"

3 Click "Manage Hosts"



4 Click "Add New Host"

Host Services

Hostname	Service	Details	Last Updated
Add New Host			

5 Decide your preferred name . Click "Add to cart"

Hostname: .

Wildcard Status: Disabled [[Want Wildcard support?](#)]

Service Type:

- Host with IP address [?]
- WebHop Redirect [?]
- Offline Hostname [?]

[Add To Cart](#)

6 Finished. The new DDNS record is traced

Hostname	Service	Details	Last Updated
your-name.dyndns.org	Host	61.61.61.1	Apr. 06, 2010 10:35 PM

Now, you could locate your home IP camera using <http://your-name.dyndns.org>

