

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

EDIMAX
Technical Support

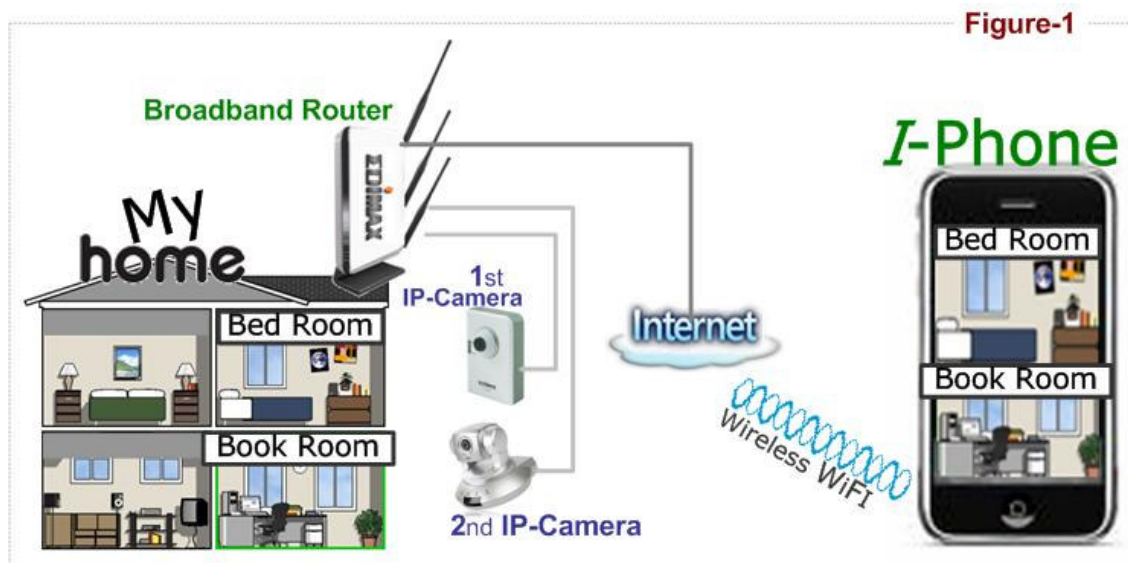
This FAQ applies to the following models:

- * 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.

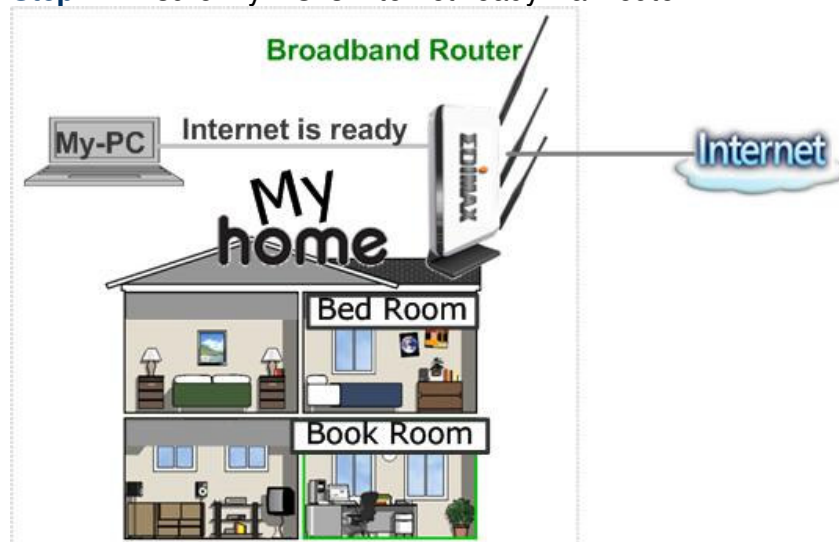
As shown in the **Figure-1**, You can monitor your “**Bed Room** **Book Room**” with your I-Phone.



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 illustrates a home network setup. A 'My-PC' is connected to a 'Broadband Router'. The router is connected to the 'Internet'. The router is also connected to a '1st IP-Camera' and a '2nd IP-Camera'. The router is labeled 'My home' and has rooms 'Bed Room' and 'Book Room' shown. The '1st IP-Camera' is connected to the router. The '2nd IP-Camera' is connected to the router. The '1st IP-Camera' is connected to the router. The '2nd IP-Camera' is connected to the router.

Configuration for the 1st camera

LAN Audio/Video E-mail & FTP

1 Click "LAN"

LAN Apply

Network Type ☐ DHCP ☒ Static IP Address

IP Address 192.168.2.10 2 Change the IP to 192.168.2.10

Subnet Mask 255.255.255.0

Gateway 192.168.2.1 This is the IP of Edimax router

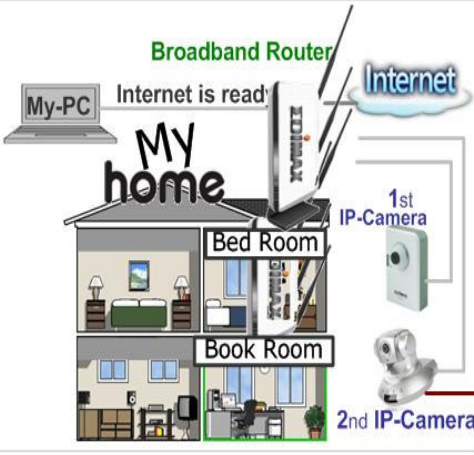
Primary DNS 168.95.1.1

Second DNS

AV Control Port 4321 3

Web port 80 "Web port" 80 is preserved for the 1st camera

Configure the 2nd Camera based on the following:



Configuration for the 2nd camera

LAN Audio/Video E-mail & FTP

1 LAN Apply 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

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	

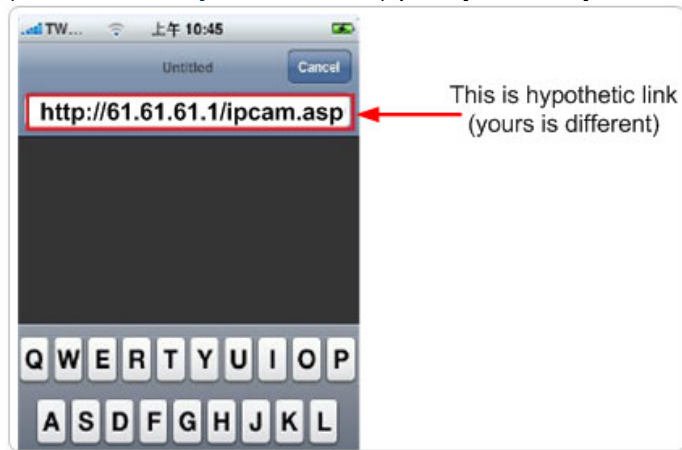
4 Click "Apply"

Step 4. configuration for the I-Phone.

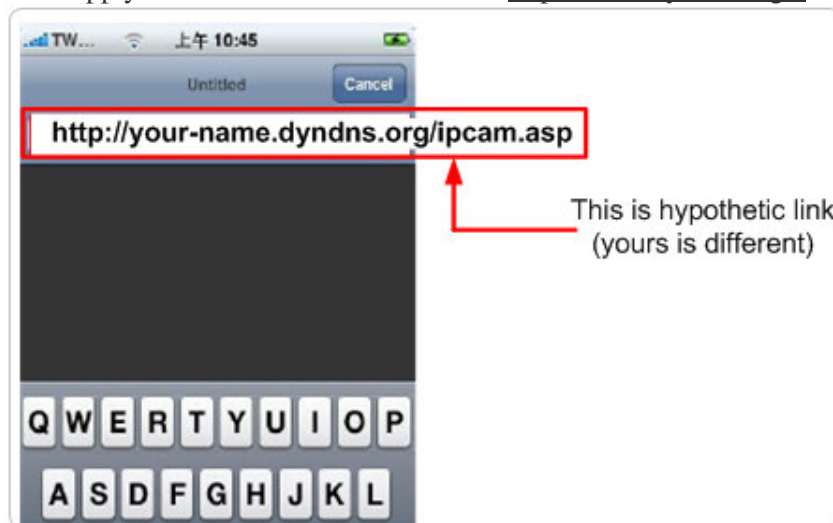
4.1 Make sure browsing Internet is ok in the I-Phone and click “Safari”



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.



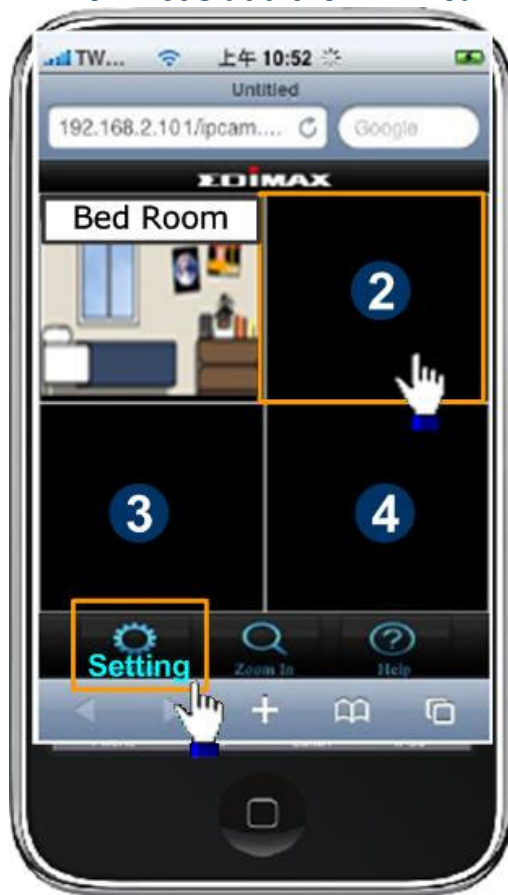
- 4.5 Click "Add" when finishing the following configuration:



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.



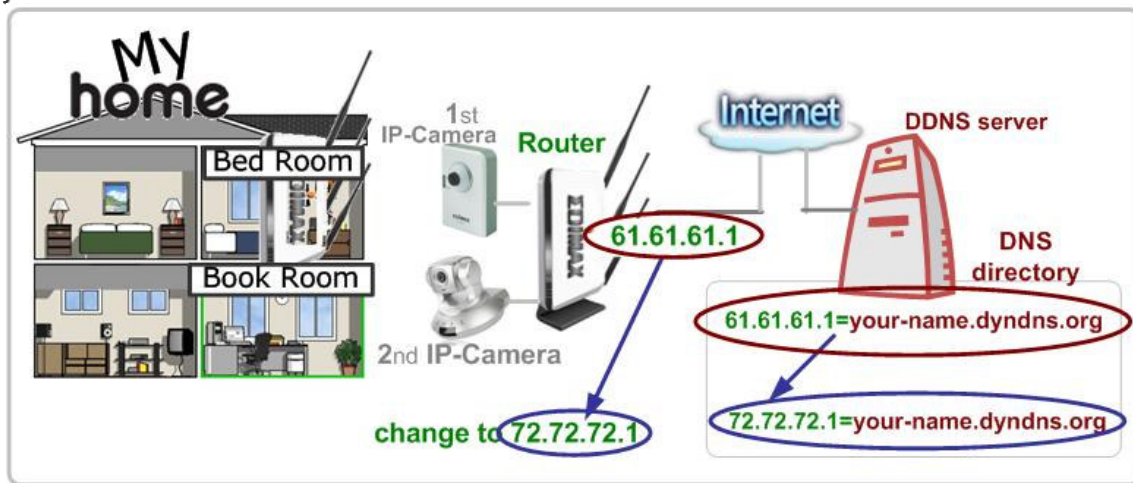
Appendix

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.

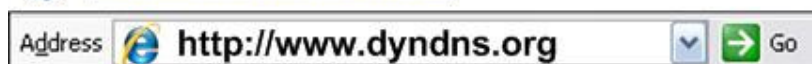


The following are steps to apply for a account named "your-name.dyndns.org" in the <http://www.dyndn.org> and how this account is configued into an Edimax router.

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

↑ M

Hostname	Service	Details	Last Updated
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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>

