

Fast Ethernet / 150Mbps Wireless 802.11n Dual Mode IP Camera

IC-3005 / IC-3005Wn User Manual

Version 1.0 / June, 2010



ErP Announcement

Product: Internet Camera (IP Camera)

Purpose: 24 hour surveillance and transfer of footage for safety and health reasons as intended use.

Detailed description:

- **Health purposes:** Users can pass through the Internet (from anywhere) to control the product (IP Camera). It's intended to watch and listen to people who need to be cared for at home and automatically sends e-mails and phone alerts to warn observers and ask for their attention. The product also provides a record function to retain all images and voice information for the sake of reference.
- **Safety purposes:** Users can initiate a "motion detect" function to record and send e-mails to notify them when doors or windows are opened – potentially by unwarranted persons.
- **General purposes:** Record/monitor environment footage and sound and store them onto a hard disk as a record.

As we cannot predict when events of this nature may occur, we need for the product to remain active and alert at all times. If the product had to go into "standby/off" mode, it would impact the effectiveness of recording and warning functions resulting in users not getting the information they need.

Based on the ErP official journal of European Union

Directives 2009/125/CE of the European parliament and of the council of 21 October 2009 Article 15 sector 5 part (a) and (b) as below:

"Implementing measures shall have no significant negative impact on the functionality of the product, from the perspective of the user."

"Health, safety and environment shall not be adversely affected."

We announce that the product need not comply with the (EC) No 1275 Standby and on/off mode function of Implementing Measurement.

We will keep up to the newest Implementing Measurements in the future and make the necessary changes if it's related to this product.



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The product you have purchased and the setup screen may appear slightly different from those shown in this QIG. For more detailed information about this product, please refer to the User Manual on the CD-ROM. The software and specifications are subject to change without notice. Please visit our web site www.edimax.com for the update. All rights reserved including all brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

Notice according to GNU/GPL-Version 2

This product includes software that is subject to the GNU/GPL-Version 2. You find the text of the license on the product cd/dvd. The program is free software and distributed without any warranty of the author. We offer, valid for at least three years, to give you, for a charge no more than the costs of physically performing source distribution, a complete machine-readable copy of the corresponding source code.

Please contact Edimax at: Edimax Technology co., Ltd, NO. 3, Wu-Chuan 3rd RD Wu-Ku-Industrial Park, Taipei Hsien, Taiwan. R.O.C., TEL : +886-2-77396888, FAX : +886-2-77396887, sales@edimax.com.tw



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Chapter I: Familiar with your Internet IP Camera

1.1 Package Contents

Thank you for purchasing this IP camera! Before you start to use this IP camera, please check the package contents. If anything is missing, please contact the dealer of purchase and return the package to claim for missing contents.

	Item Name	Quantity
1	IP Camera	1
2	Power Adapter	1
3	Ethernet Cable	1
4	Quick Installation Guide	1
5	CD-ROM (Including Manual/Utility/Multi-Language QIG)	1
6	Mounting Kit	1

1.2 Basic Introduction

Congratulations on buying this Edimax IP Camera! You've chosen well. This IP camera is ideal for all kinds of video surveillance from home and office safety to child and pet monitoring purposes. This Edimax IP camera is tailor made to stream live video over your network, so you can view its footage from anywhere on your local computers. Better yet, you can view its video via the Internet! The Edimax IC-3005 series features extremely high picture quality matched by a high frame rate video streaming because of advanced video compression. To get the best video quality, select MPEG4 or MJPEG, depending on your network settings.

Before enjoying your new IP camera, please check the package contents. If anything is missing, return this package to your dealer to claim the missing contents.

1.3 Product Highlights

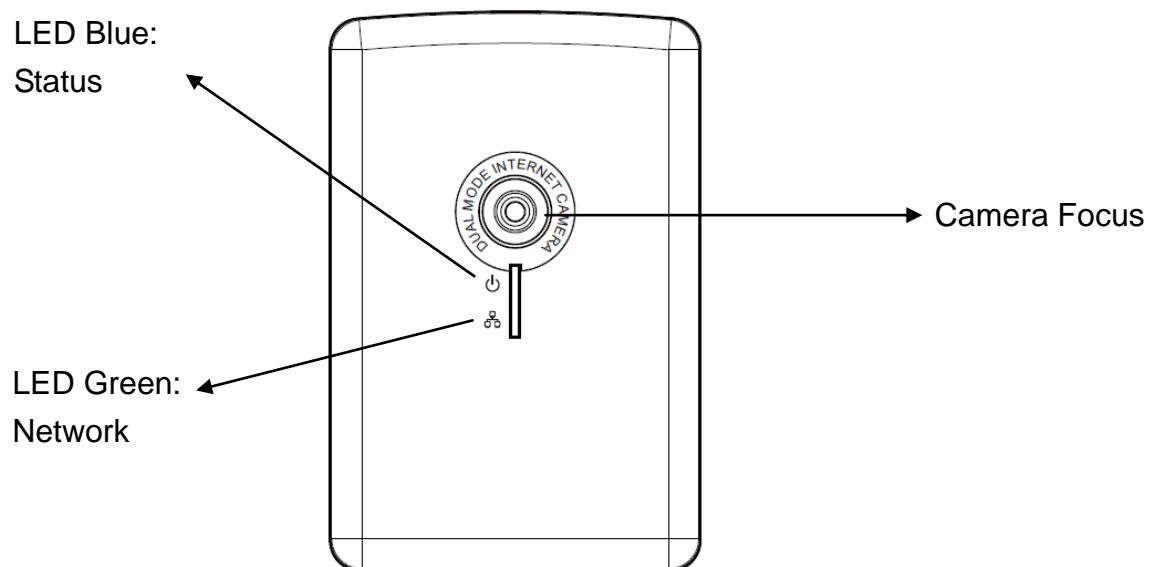
- ✚ No pre-loaded software required - all you need is a browser like Internet Explorer 6 (and above, with plugin installed).
- ✚ Supports VGA (640 x 480), QVGA (320 x 240), and QQVGA (160 x 120) video resolution, with auto-exposure control
- ✚ Supports two video compression formats (MJPEG and MPEG4).
- ✚ Supports all major web browser, including Microsoft Internet Explorer, Apple Safari and Firefox.
- ✚ Wired and wireless network (802.11b / 802.11g / 802.11n) support. (IC-3005Wn only)
- ✚ Wireless data encryption (WEP / WPA). (IC-3005Wn only)
- ✚ WPS (Wi-Fi Protected Setup), the easiest way to setup a secure wireless connection. (IC-3005Wn only)
- ✚ Supports DHCP and you can also assign a fixed IP address to the camera also.
- ✚ Supports Dynamic DNS (used to allocate the IP camera's Internet address, when the ISP you're using does not assign you with a fixed Internet address).
- ✚ Supports UPnP, Windows XP (and above) will discover this IP camera in network neighbor automatically.
- ✚ Send captured picture by Email or FTP when motion is detected. Also support FTP / Email scheduling.
- ✚ Configurable motion detection sensitivity (6 levels from most sensitive to least sensitive).
- ✚ Built-in real-time clock, date and time information will be recorded with every captured picture / video clip (also supports auto time synchronization via network time protocol).
- ✚ Upgradeable firmware - enjoy new functions without buying a new camera!
- ✚ Supports up to 16 users, and you can set different password to different user.
- ✚ Usage and event logging.

*Some functionality like 'fit to window' only works on Microsoft Internet Explorer.

1.4 Familiar with Key Components

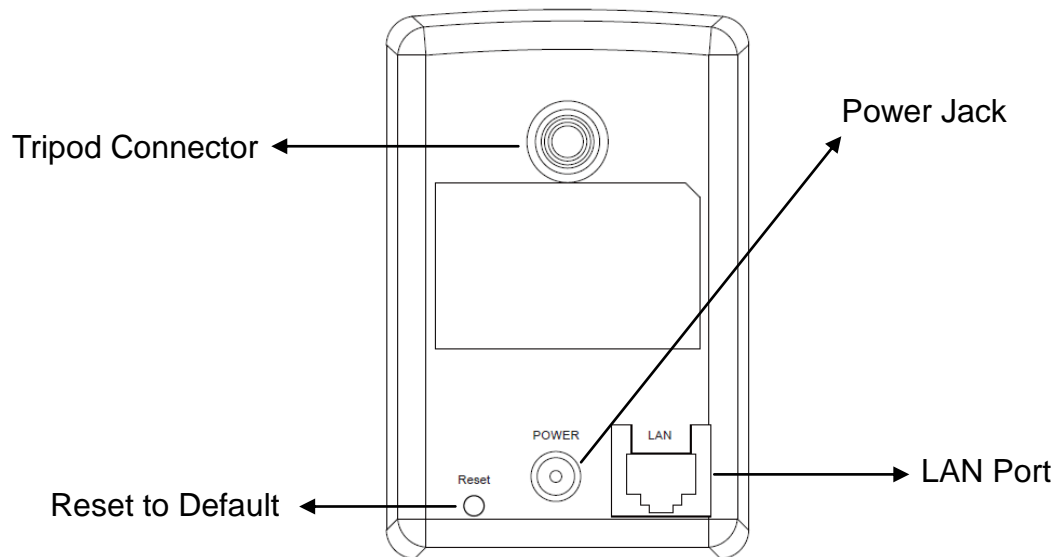
Front View

There are two LEDs indicating the camera's status and networking status.



LED	Description
Status ⏻	Steady on: System is correctly powered on Slow Blinking: Camera is booting Quick Blinking: Camera is waiting for WPS connection
Network 🌐	Steady; Network is connected Blinking: Data is transmitted

Back View



Name	Description
Tripod Connector	Connects to standard tripod / camera wall holder
Power Connector	Connects to 5V DC power adapter
Reset to Default / *WPS (IC-3005Wn only)	<p>Press and hold this button for more than 5 seconds to reset the camera settings to factory default.</p> <p>Press the WPS button (click) on the IP Cam and click on the Access Point that you want to wirelessly connect it to.</p>
Ethernet Connector	Connects to your local area network with Ethernet cable

1.5 Camera Installation

1. Unpack your Edimax IP Camera from its packaging and ensure that all the items listed in Chapter 1 are there.
2. Connect the Edimax IP Camera to your network by attaching a network cable from your switch or router to the LAN port on the IP Camera.
3. Connect the power adapter to the IP Camera and plug the adapter into a power outlet. When the IP Camera is ready, the Blue LED will light up.

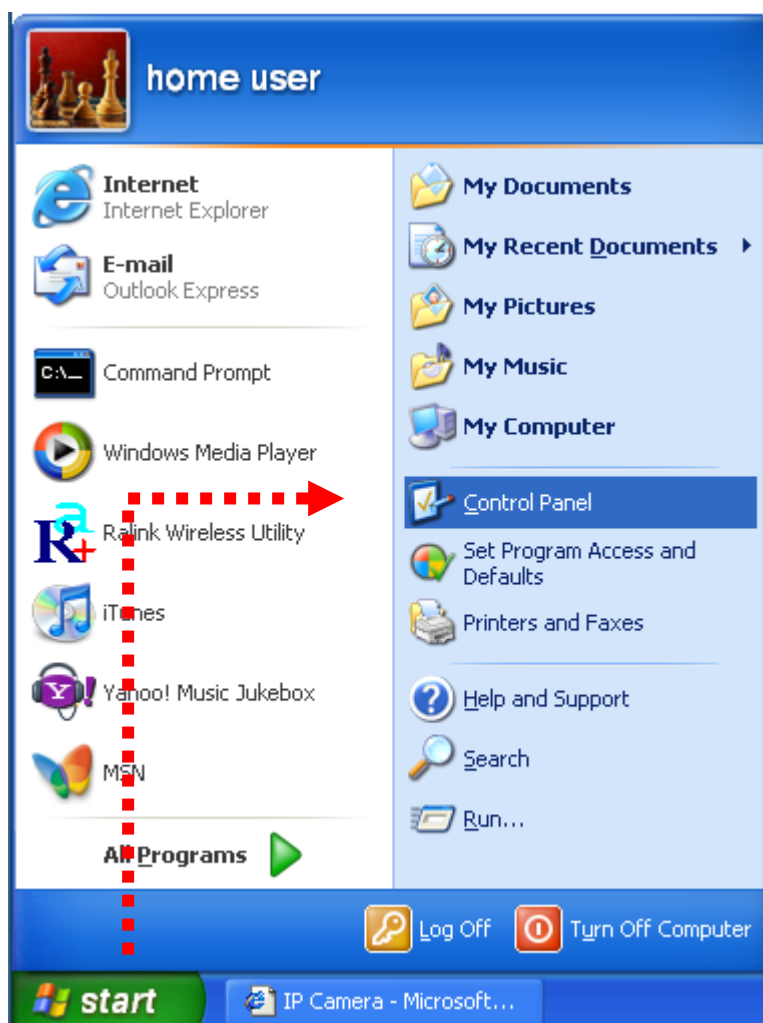
Note: It is highly recommended to use only the power adapter shipped with the IP Camera. Do NOT use any other power adapter and avoid possible damage to your new device.

1.6 Locate the IP Address of this IP Camera

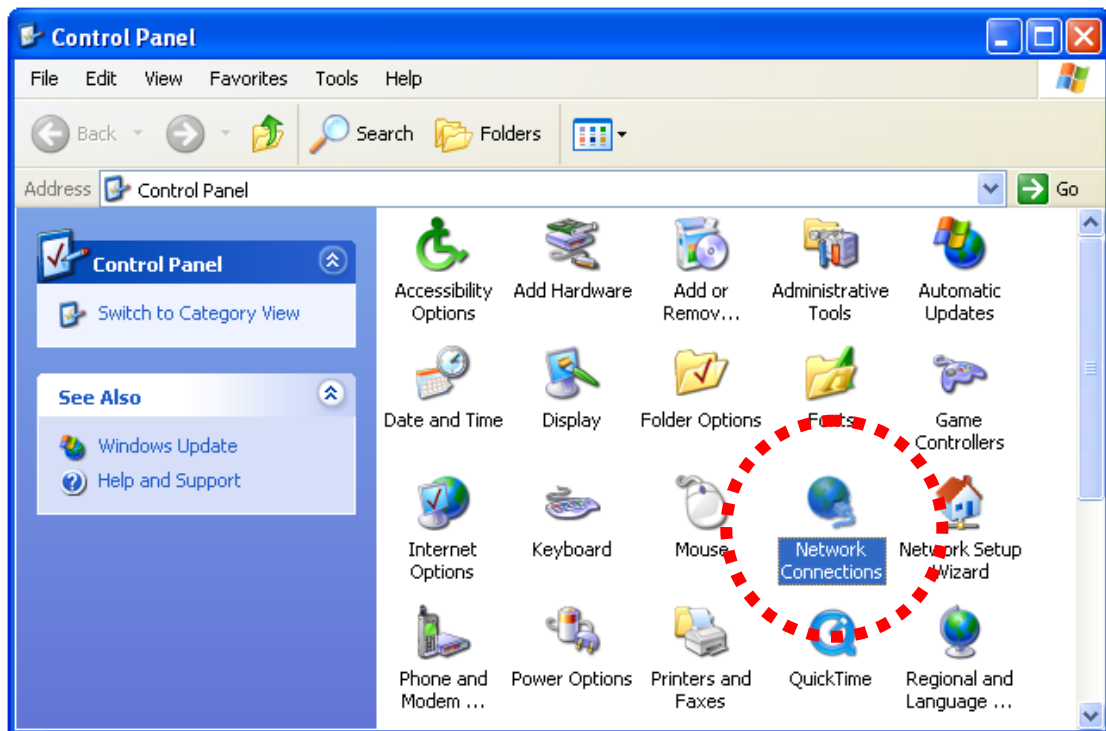
Default IP address of this IP camera is 192.168.2.3. If you wish to assign another IP address to this IP camera, you have to log onto the web configuration interface of the camera first.

If the left three fields of the IP address of your computer is not 192.168.2, you'll have to change the IP address of your computer first:

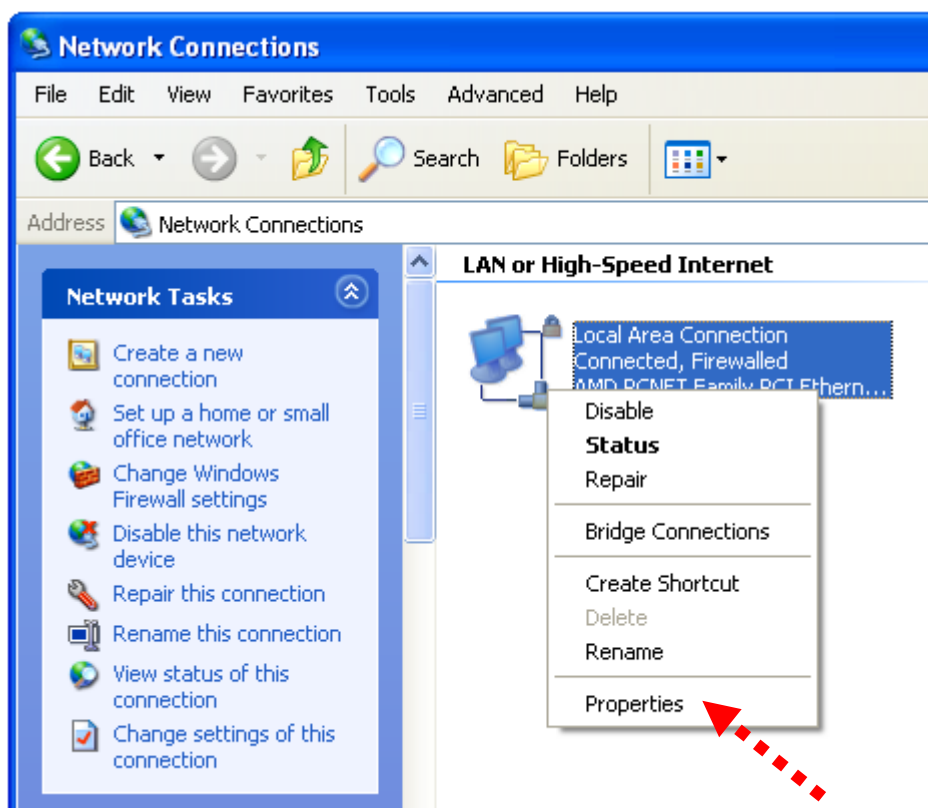
1. Click 'Start' -> 'Control Panel'



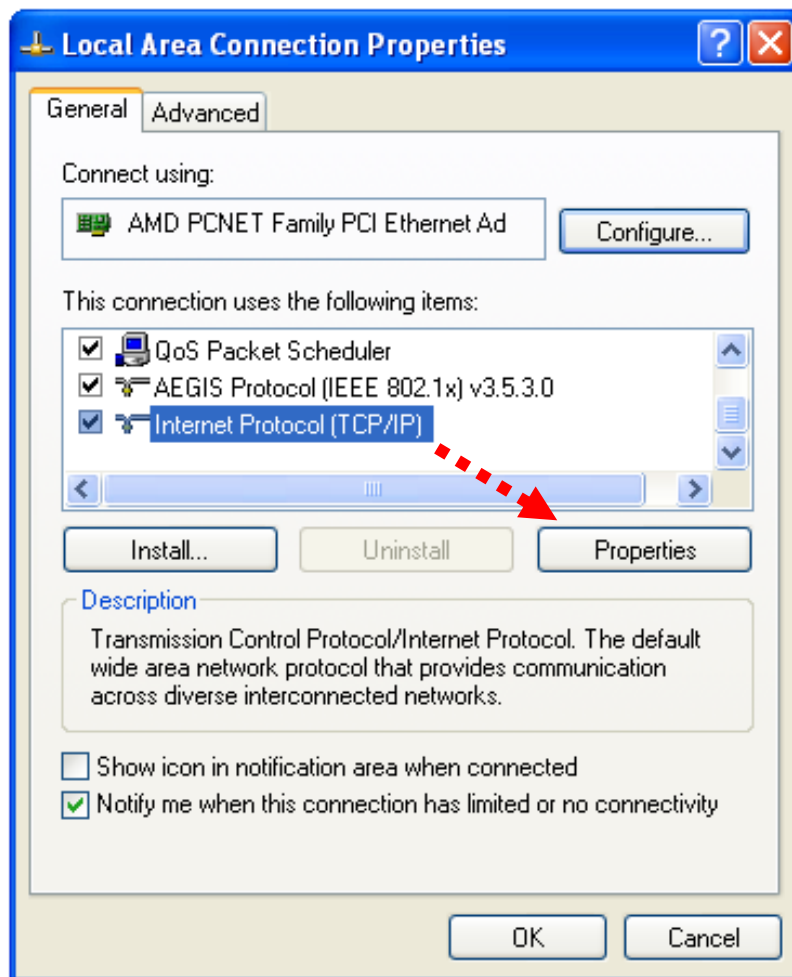
2. Double-click 'Network Connections' icon.



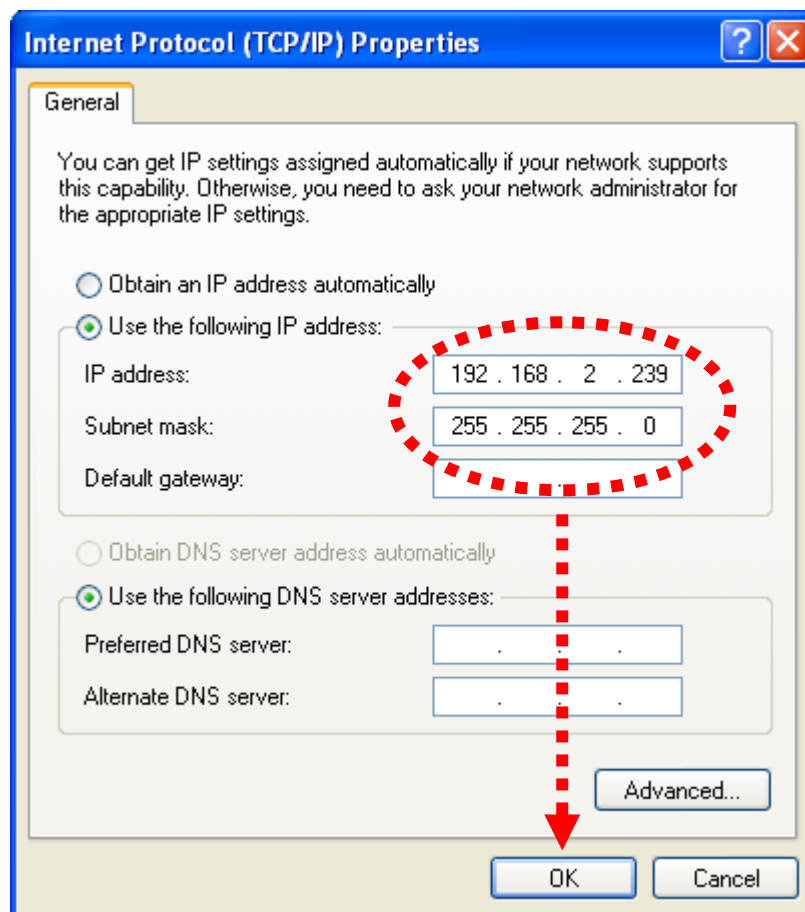
3. Right-click 'Local Area Connection', and click 'Properties'.



4. Select 'Internet Protocol (TCP/IP)', then click 'Properties'.



5. In 'IP address' field, please fill in any IP address begins with '192.168.2', and ends with a value greater than 2 and less than 254 (You can use the example in the picture '192.168.2.239'). In Subnet mask field, please fill '255.255.255.0'. Please keep all other fields empty, and click 'OK'.

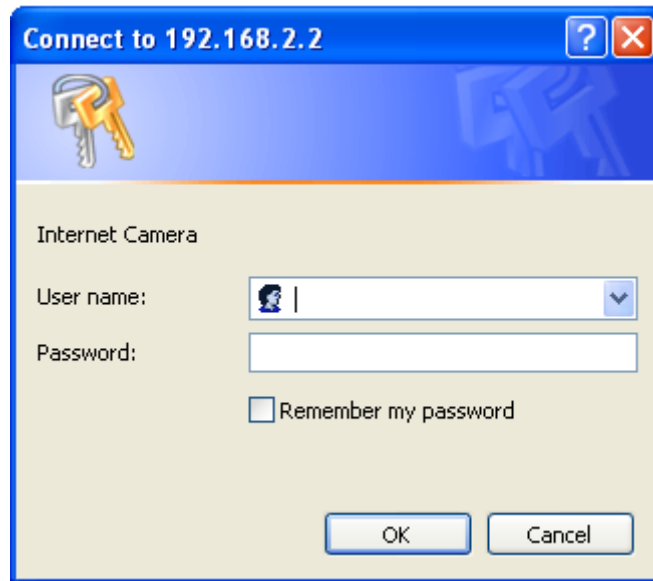


If you changed the IP address of this IP camera and you forget it, there're 2 ways you can recover it:

- a. Press and hold the 'Reset' button located at the bottom of this IP camera, to clear all settings of the IP camera and reset the IP address back to 192.168.2.3. You'll lose all settings in the IP camera.
- b. Ask network administrator to check the DHCP release table, if the camera was set to obtain the IP address by DHCP, a new record will be added to DHCP release table on DHCP server when the IP camera is connected to the local area network.

1.7 Log Onto Web Management Interface

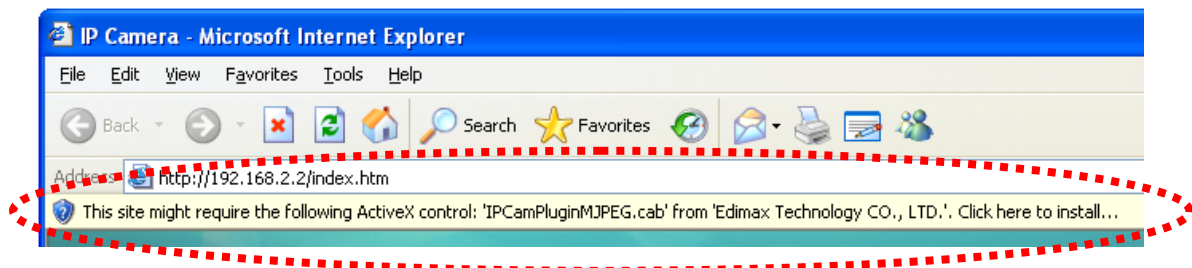
Make sure the IP camera is correctly powered (Power LED is on), and then launch Internet Explorer and type the IP address of the IP camera in address bar of Internet Explorer. You should be prompted to input the user name and password:



Default user name is 'admin' (in lower case) and password is '1234'. Click 'OK' to continue after user name and password has entered.

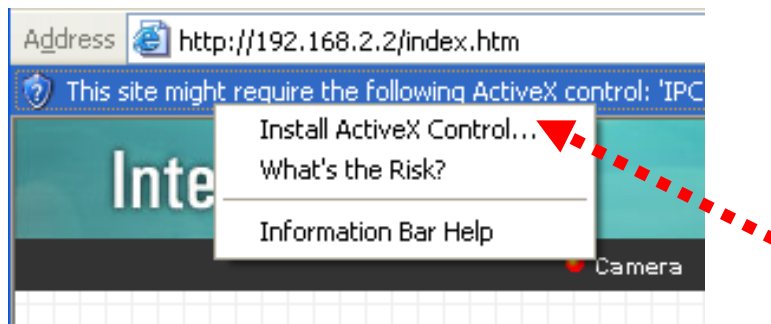
If you're rejected, maybe the password has been modified previously. This should not happen if this is a newly-purchased camera, however, if you get the camera from someone else, the password would be changed. Please try to obtain the correct user name / password, or you'll have to reset the camera.

After logged on, you should see the following messages at the top of Internet Explorer:



If not, please go to section 1.8.1 'Install ActiveX'.

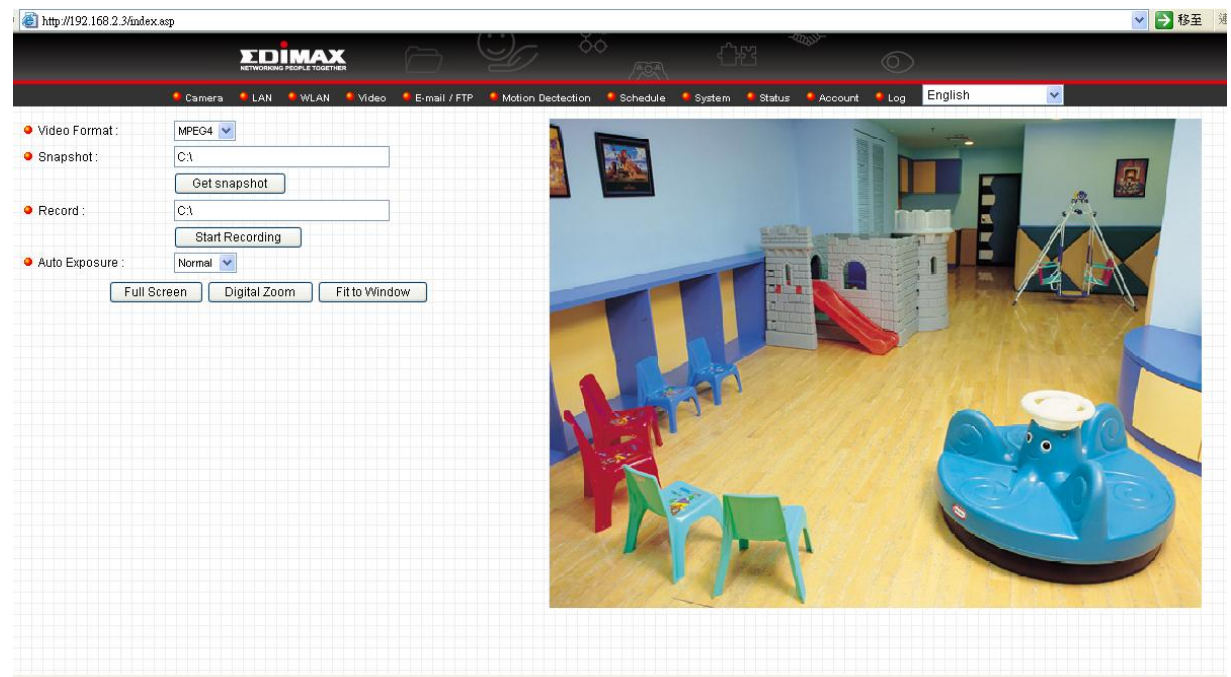
This IP camera requires a special ActiveX control (A.K.A. 'Plugin') to work. Please click on the message, and select 'Install ActiveX Control...':



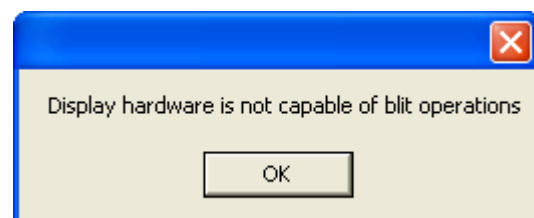
When you're prompted, click 'Install' to continue.



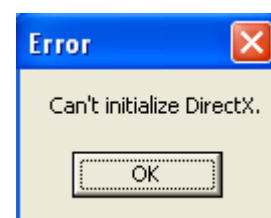
You should be able to see the image from camera now:



Note: If you see one of these messages (or both):



OR



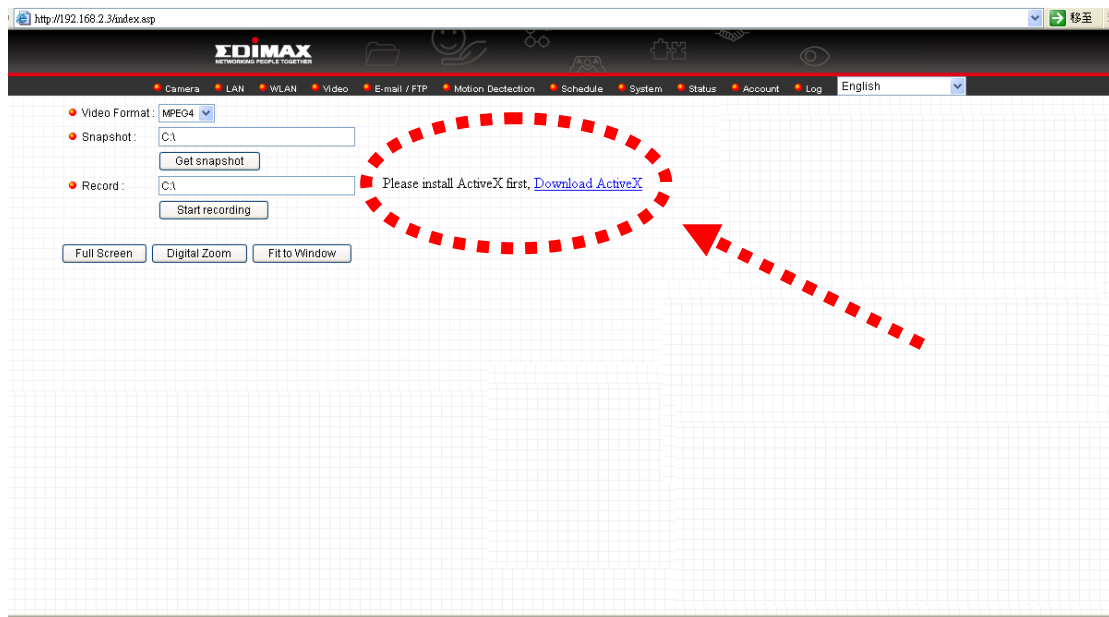
Your computer may not have the display capability that this IP camera requires, or you don't have Microsoft DirectX® installed. Please download Microsoft DirectX® from Microsoft's website (<http://www.microsoft.com>), and try again.

In some cases, your computer is able to display the image from IP camera correctly, but you'll still see these messages. If this happens, just ignore them.

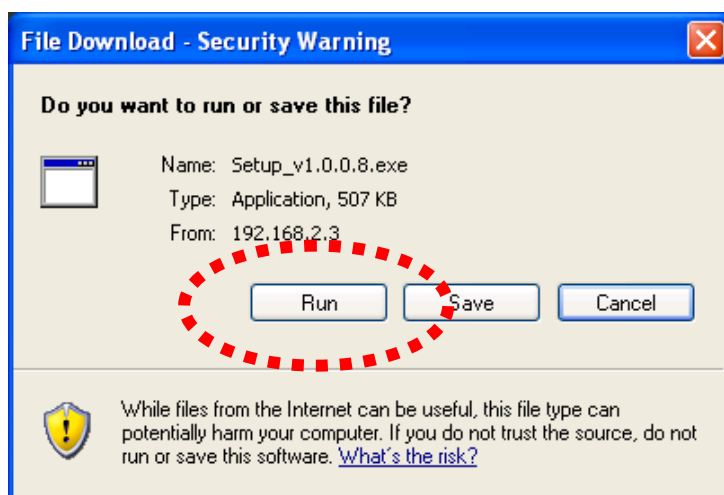
1.7.1 Install ActiveX

Most of browsers support Microsoft ActiveX, but if ActiveX is not present on your computer, you need to install it before you can use this Internet camera.

If you see this message when you log onto IP camera, please click the link to download ActiveX:



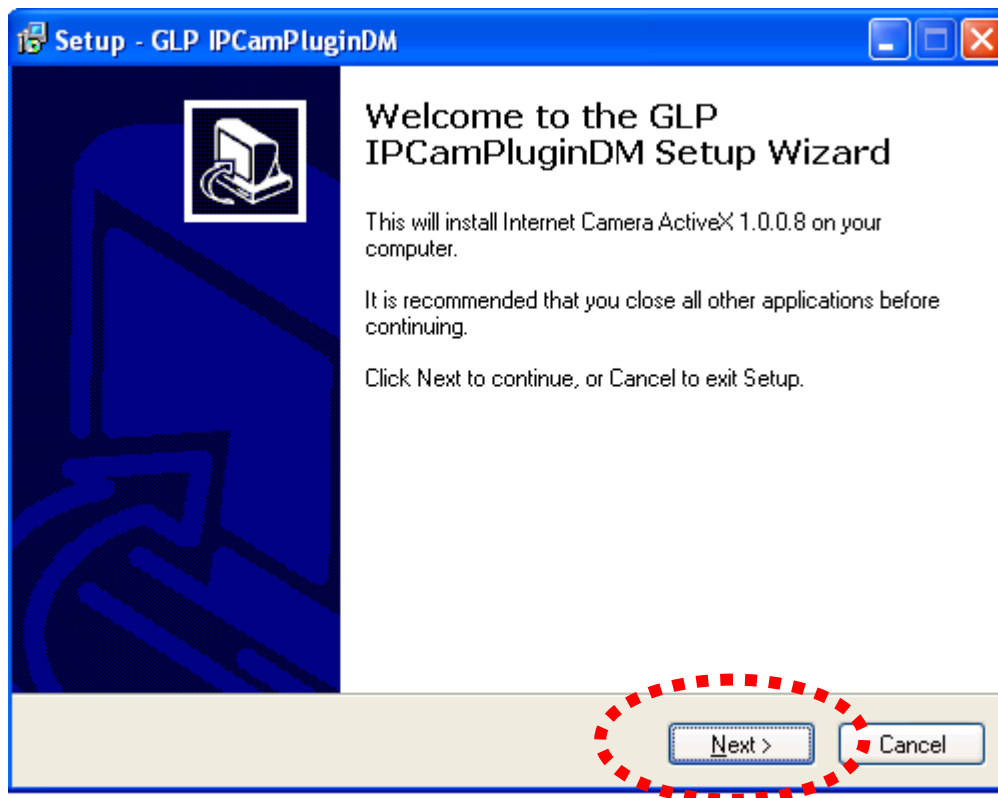
Press 'Run' to download ActiveX installation package:



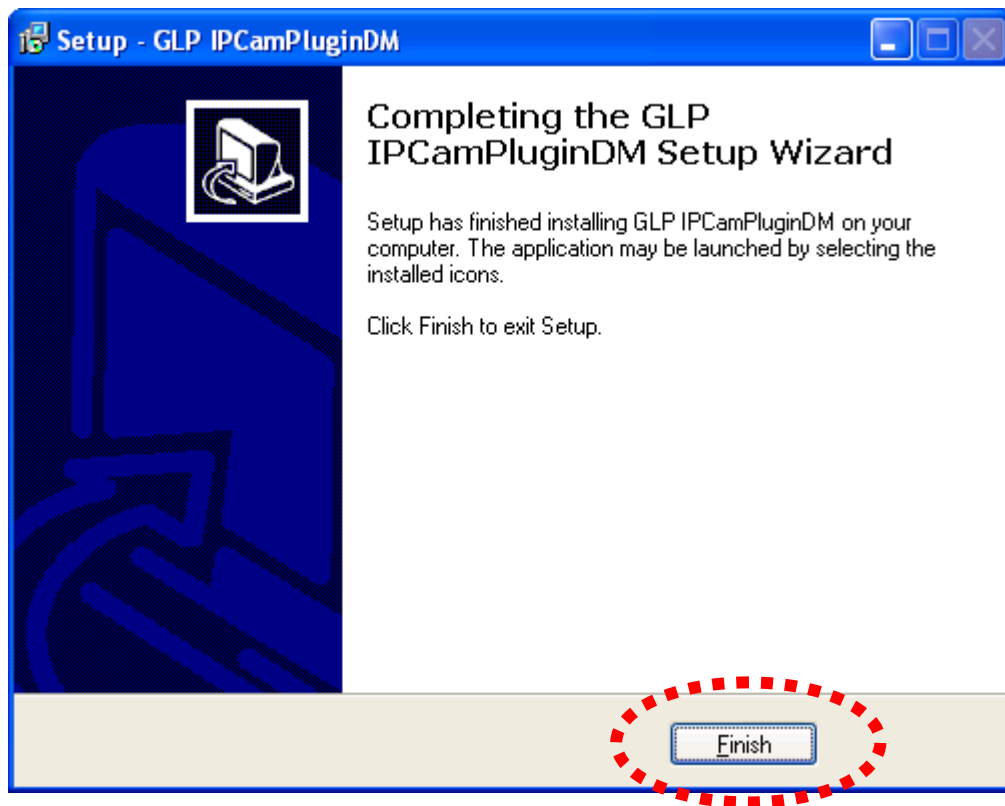
Press 'Run' to install ActiveX:



Press 'Next' to start installation; press 'Next' button when you're prompted, until installation is complete:



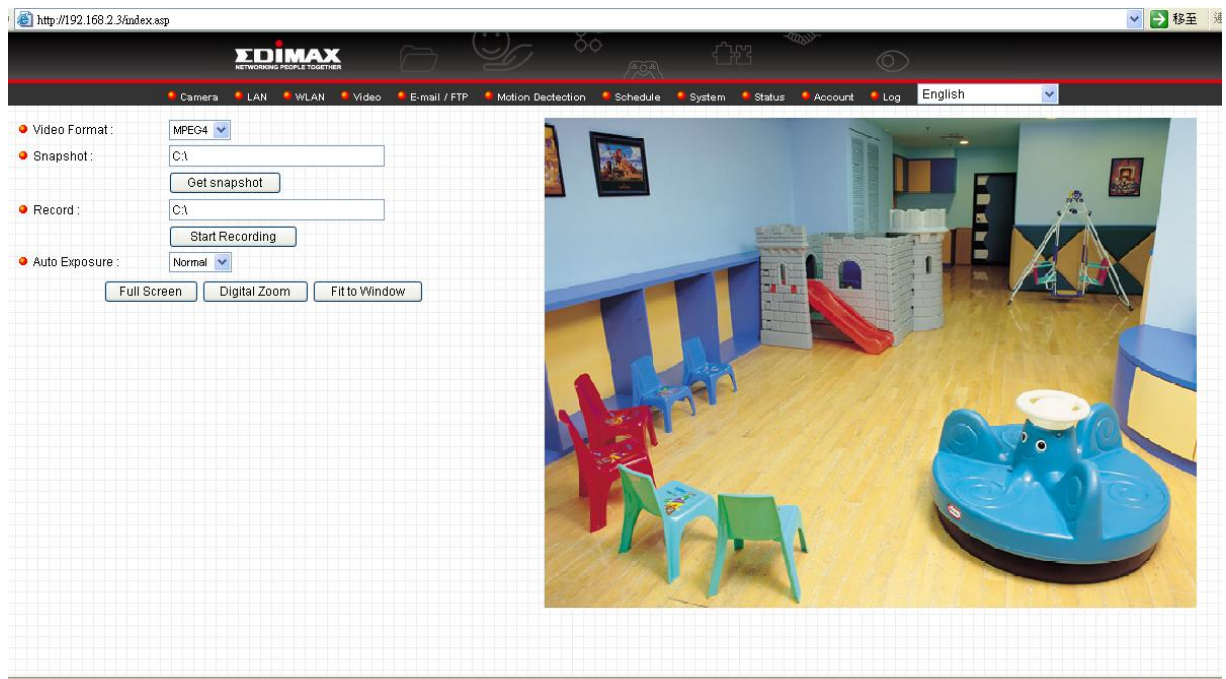
Press 'Finish' when you see this message. Now please go back to last section to install IP camera plugin.



Chapter II: Using Web Management Interface

2.1 Camera Settings

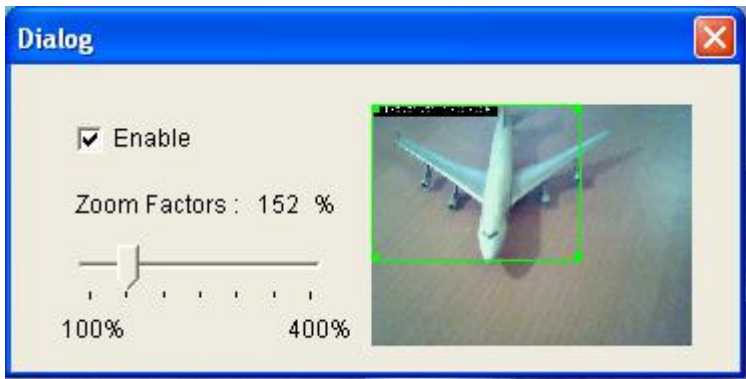
The first menu after you logged onto web management interface is 'Camera', and this is the only menu you can see the real-time image from camera.




You can always back to this menu by clicking 'Camera' on the top of web management interface.



The descriptions of every setting in this menu will be given below:

Item	Description
Video Format	<p>Specifies video encoding format. You can choose MPEG4 or MJPEG (Motion-JPEG).</p> <p>MPEG4 mode also supports motion detection</p>
Snapshot	Take a snapshot picture and save the picture to your computer's hard drive. Click on directory display and you'll be prompted to select a folder to save snapshot file.
Record	Start video recording and save recorded video clip to your computer's hard drive. Click on directory display and you'll be prompted to select a folder to save snapshot file.
Auto Exposure	Enable or disable automatic exposure control. There are 3 levels of automatic exposure control: Dark, Normal, and Bright. Select one of them to control the brightness of image. Select 'Disable' to disable automatic exposure control.
Full Screen	Click this button and the image captured by camera will be displayed in full-screen mode. To resume, double-click the image.
Digital Zoom	<p>Click this button to enable digital zoom (video magnification) function:</p>  <p>Check 'Enable' box to enable digital zoom, and you can set the percentage of zoom from 100% (no magnification) to 400%. You can also drag the green square by mouse and put it on the area you wish captured image to be magnified.</p>

	To exit digital zoom setting, press  button.
Fit to Window	Click this button and captured image will fit to window size.

***Note:** If you're not using Microsoft Internet Explorer as web browser, some functionalities may not work properly.

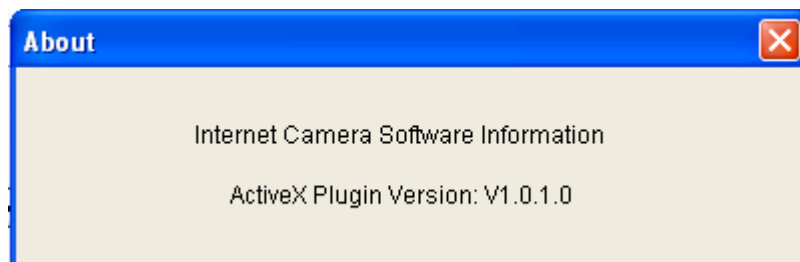
2.1.1 About

This function will provide you with the version number of current IP camera plugin, which is useful when you need online support.

To see version information, right-click on the image. A pop-up menu will appear:



Select 'About' and the version information will appear:



2.2 LAN Settings

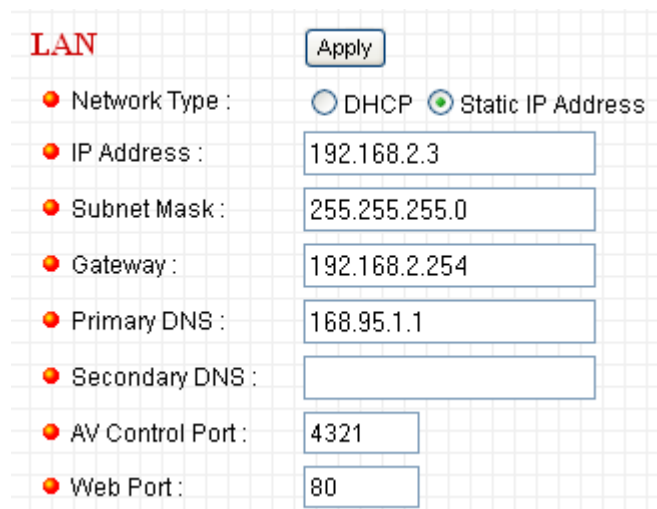
All network-related settings can be found in this menu, and you have to specify TCP/IP parameters in this menu if you want to change IP address, use PPPoE, Dynamic DNS, and activate UPnP function.

You can access this menu by clicking 'LAN' on the top of web management interface.



2.2.1 IP Address

You can define IP address and select the port number you wish to use here.



LAN		<input type="button" value="Apply"/>
● Network Type :	<input type="radio"/> DHCP <input checked="" type="radio"/> Static IP Address	
● IP Address :	<input type="text" value="192.168.2.3"/>	
● Subnet Mask :	<input type="text" value="255.255.255.0"/>	
● Gateway :	<input type="text" value="192.168.2.254"/>	
● Primary DNS :	<input type="text" value="168.95.1.1"/>	
● Secondary DNS :	<input type="text"/>	
● AV Control Port :	<input type="text" value="4321"/>	
● Web Port :	<input type="text" value="80"/>	

The descriptions of every setting in this menu will be given below:

Item	Description
Network Type	<p>This camera can obtain the IP address from DHCP server automatically (if you have one), or set a fixed IP address. Select 'DHCP' to obtain IP address automatically or 'Static IP Address' to assign this IP camera with a fixed IP address.</p> <p>When 'DHCP' is selected, IP address parameters below will be grayed out.</p>
IP Address	Specify the IP address for this IP camera here.
Subnet Mask	Specify the subnet mask for this IP camera here.
Gateway	Specify the gateway address of the local network here.
Primary DNS	Specify the IP address of DNS server here. Please input IP address only. If you don't know the address of DNS server, ask network administrator or your ISP for help.
Secondary DNS	<p>Specify the IP address of backup DNS server here. When primary DNS is unreachable, IP camera will use the IP address specified here as DNS server.</p> <p>This field is optional.</p>
AV Control Port	Specify the port number of video transfer here. If you have firewall on your network, you need to allow computers on Internet to access this port number of the IP address of IP camera, or you'll not be able to view video from Internet.
Web Port	<p>Specify the port number of web management interface here. If it's not 80, you'll have to add ':<i>port</i>' after the IP address / hostname of this IP camera.</p> <p>For example, if the HTTP port number you specified here is 90 and the IP address of IP camera is 10.20.20.30, then you have to input '<i>http://10.20.20.30:90</i>' in the address bar of Internet explorer.</p>

Click 'Apply' to save settings and make the new settings take effect.

2.2.2 RTSP

RTSP (Real-Time Streaming Protocol) allows you to view live video captured by IP camera. You can set RTSP related settings here.

RTSP

Apply

● Enable RTSP : ☒ Enable ☐ Disable

● RTSP Port : 554

● RTSP Path : ipcam .sdp

● RTP Port Range : 50000 - 60000

The descriptions of every setting in this menu will be given below:

Item	Description
Enable RTSP	Select 'Enable' to activate RTSP function of this IP camera, select 'Disable' to disable it.
RTSP Port	Input the port number which RTSP will use. Default setting is 554.
RTSP Path	Input the path of RTSP stream. **
RTP Port Range	Input the port range of RTP. Default setting is 50000 to 60000.

Click 'Apply' to save settings and make the new settings take effect.

2.2.3 PPPoE

PPPoE

● Enable PPPoE : ☐ Enable ☒ Disable

● User Name :

● Password :

● MTU : (512 <= MTU Value <= 1492)

Enable PPPoE	Select 'Enable' to activate PPPoE function of this IP camera, select 'Disable' to disable it.
User Name	Input the PPPoE username assigned by your ISP here.
Password	Input the PPPoE password assigned by your ISP here.
MTU	Input the MTU (Maximum Transmission Unit) given by your ISP here. Ask your ISP if you don't know what value you should input here. Default value should work with most of ISPs and will give you a nice network performance.

Click 'Apply' to save settings and make the new settings take effect.

2.2.4 Dynamic DNS

If your ISP does not give you a fixed Internet IP address (i.e. the Internet address you're using when you access the Internet is not always the same – ask your ISP for detailed information), you can use this function to help you locate the IP address of this IP camera when you're away from home or office.

Before you can use this function, you'll need to apply for an account at dyndns.org (<http://www.dyndns.org>). Detailed instructions of how to apply a new account can be found on dyndns.org's website.

Dynamic DNS Apply

● Enable DDNS : ☒ Enable ☐ Disable

● Provider : dyndns.org

● Host Name : ddns-host

● User Name : ddns-account

● Password :

The descriptions of every setting in this menu will be given below:

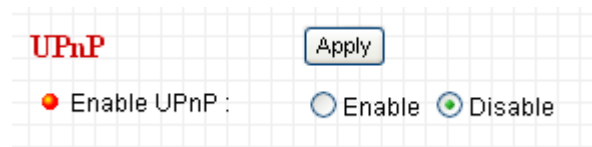
Item	Description
Enable DDNS	Select 'Enable' to activate Dynamic DNS function of this IP camera, select 'Disable' to disable it.
Provider	Select dynamic DNS service provider here. Only dyndns.org is available currently.
Host Name	Input dynamic DNS host name here.
User Name	Input dynamic DNS user name here, must be the same as the one you applied on dyndns.org.
Password	Input dynamic DNS password here, must be the same as the one you applied on dyndns.org.

Click 'Apply' to save settings and make the new settings take effect.

2.2.5 UPnP

When UPnP function is activated, all UPnP-compatible computers / network devices will be able to discover this IP camera automatically (only those in the same local network).

This function is useful and you don't have to remember the IP address of this IP camera. Simply open 'Network neighbor' and it's there!

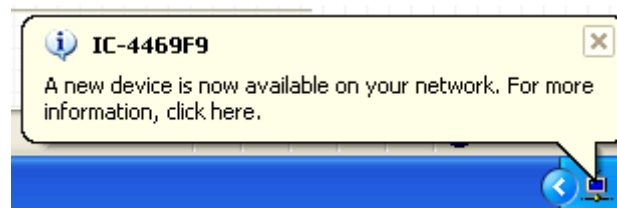


The descriptions of every setting in this menu will be given below:

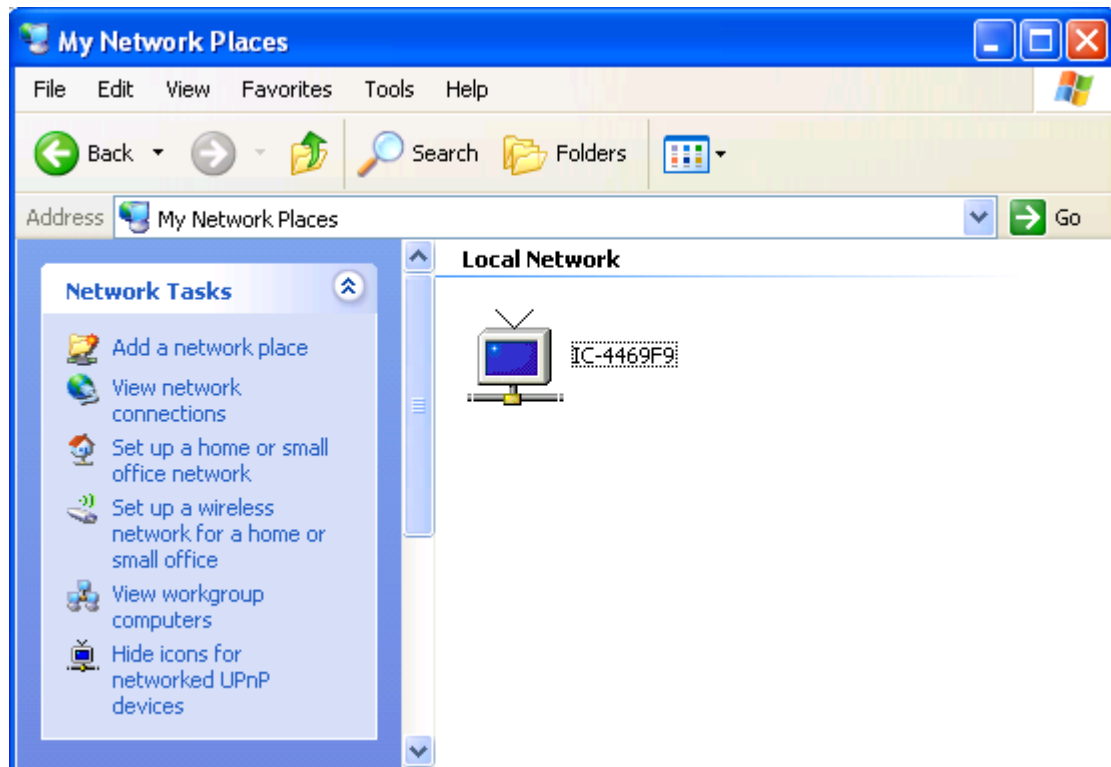
Item	Description
Enable UPnP	Select 'Enable' to activate UPnP function of this IP camera, select 'Disable' to disable it.

Click 'Apply' to save settings and make the new settings take effect.

After UPnP function is activated, a popup message will appear:



Click the message to open 'My Network Places', and you'll see the IP camera:



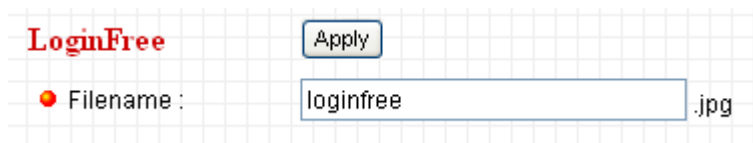
You can double-click the icon to launch Internet Explorer and log onto IP camera's web management interface directly.

2.2.6 LoginFree

You can specify a filename here, and everyone who knows this filename can gain access to the picture captured by the IP camera with this name with .jpg file extension.

For example, if the filename you specified here is 'loginfree' and your IP camera's IP address is '192.168.2.3', then everyone on the network can access to the picture taken by the IP camera at 'http://192.168.2.3/loginfree.jpg'.

This function is for convenience only, and anyone who knows this filename will be able to see the picture taken by your IP camera. Please think again before you use this function.



The screenshot shows a web interface for configuring the 'LoginFree' feature. It includes a red 'LoginFree' label, an 'Apply' button, and a text input field labeled 'Filename :' containing the text 'loginfree' followed by '.jpg'.

The descriptions of every setting in this menu will be given below:

Item	Description
LoginFree	Specify the file name of the picture here. If you want to disable this function, leave it blank.

Click 'Apply' to save settings and make the new settings take effect.

2.3 WLAN Parameters

If you wish to use wireless network instead of wired network connection, you have to set wireless LAN parameters here.

WPS

Self PinCode : 44835774

Configure via Push Button :

Configure via PinCode : Registrar SSID :

Wireless LAN

Wireless Connection : ☐ Enable ☒ Disable

Network Type : Infrastructure

Available Networks :

Connect	SSID	MAC Address	Signal	Channel	Encryption	Network Type
<input type="radio"/>	amy-ap	00:1A:92:F0:E3:30	26	1	WPAPSK(TKIP)	Infrastructure
<input type="radio"/>	VXTRAVEL	00:D0:41:B4:4C:C2	100	3	WPAPSK(TKIP)	Infrastructure

SSID :

Channel :

Basic Rate :

Authentication :

Encryption Type :

WPA Pre-Shared Key :

WEP Key Length :

WEP Key Format :

Default Key :

WEP Key 1 :

WEP Key 2 :

WEP Key 3 :

WEP Key 4 :

You can access this menu by clicking 'LAN' on the top of web management interface.



The descriptions of every setting in this menu will be given below:

Item	Description
Self PinCode	A random 8-digit code will be displayed here. If the wireless AP you wish to connect supports PINCODE, please input this code to the AP you wish to connect. This code changes every time you enter this page.
Configure via Push Button	<p>If the wireless AP you wish to connect supports push button WPS configuration, click 'Start PBC' and press the WPS button on the wireless AP to start pairing.</p> <p>You can also press 'WPS / Reset' button located at the back of IP camera for the same purpose. DO NOT press and hold 'WPS / Reset' button for too long time, if you press and hold 'WPS / Reset' button for more than 10 seconds, all settings in IP camera will be lost!</p>
Configure via PinCode	If the wireless AP already generates a 8-digit code, please input the code here and click 'Start PIN' button to start pairing.
Wireless Connection	Select 'Enable' to activate wireless network function of this IP camera, select 'Disable' to disable it.
Network Type	<p>Select the network type of wireless connection.</p> <p>Available options are 'Infrastructure' (Connect the IP camera to a wireless access point), and 'Adhoc' (This IP camera will become a stand-alone wireless network point, other wireless computers / devices can discover this IP camera and connect to it without wireless access point).</p> <p>You can set to 'Adhoc' when you don't have any wireless access point, but your computer has wireless network card. Set to 'Infrastructure' when you have wireless access point, and you have computers with wired network connection.</p>
Available Networks	Here shows all wireless access points found by this IP camera. Please note not all access points will be displayed at the same time, if the access point you wish

	<p>to connect does not appear, you may have to click 'Refresh' button for several times until it appears.</p> <p>The descriptions of all fields is listed below:</p> <p>Connect: You can select the wireless access point you wish to connect here.**</p> <p>SSID: the SSID of all found wireless access points will be shown here. Some wireless access point may hide their SSID, in this case, you have to identify them by their MAC address.</p> <p>MAC Address: If you there are many wireless access points in proximity or some wireless access point hides it's SSID, you can use MAC address to distinguish them.</p> <p>Signal: Shows the radio signal strength in percent.</p> <p>Channel: Shows the radio channel of this wireless access point.</p> <p>Encryption: Shows the encryption type used by this wireless access point. You must use the same encryption type if you wish to connect to a certain wireless access point. If the wireless access point does not use encryption, 'Disabled' will be displayed here.</p> <p>Network Type: Shows the network type of a certain wireless access point (Infrastructure or Adhoc).</p>
SSID	<p>Input the SSID of the wireless access point you wish to connect. It should be less than 32 alphanumerical characters.</p> <p>When you select a wireless access point above, it's SSID will be filled in this field automatically. However, if the SSID is not displayed (the wireless access point you</p>

	<p>selected choose to hide it's SSID), you have to know it's SSID and input it here, or you will not be able to connect it.</p>
Channel	<p>Select the radio channel you wish to use here. When network type is 'Infrastructure', the radio channel is auto-selected according to the channel that wireless access point uses. You can only select the channel number when network type is 'Adhoc'.</p>
Basic Rate	<p>Select the maximum wireless data transfer rate here, from 1Mbps to 54Mbps. Maximum transfer rate for 802.11b wireless network is 11Mbps, and maximum transfer rate for 802.11g wireless network is 54Mbps.</p> <p>It's recommended to select 'Auto', so the data transfer rate will vary according to the actual signal strength and quality.</p>
Authentication	<p>Select the wireless authentication here, and this setting must be the same with the wireless access point you selected.</p> <p>When you select a wireless access point from the list, it's authentication type will be selected automatically, and you should not modify it or you will not be able to connect to the wireless access point you selected.</p> <p>Available options are: None (no authentication), Open System, Shared Key System, WPA-PSK, WPA2-PSK, and WPA None (the last one is only for Adhoc).</p>
Encryption Type	<p>Select the wireless encryption type here, and this setting must be the same with the wireless access point you selected.</p> <p>When you select a wireless access point from the list, it's encryption type will be selected automatically, and you should not modify it or you will not be able to connect to the wireless access point you selected.</p> <p>Available options are: None, WEP, TKIP and AES. The</p>

	<p>options available here will vary depends on the authentication type you selected above. If an authentication type does not support need encryption, this field will be grayed out.</p>
WPA Pre-Shared Key	<p>Input the WPA pre-shared key here.</p> <p>This field is only available when authentication type is WPA-PSK or WPA2-PSK, and will be grayed out when other authentication type is selected.</p>
WEP Key Length	<p>Please select the key length when you use WEP encryption. Available options are 64-bit and 128-bit.</p> <p>Selecting '128-Bit' is safer, however, it would make the network a little bit slower.</p> <p>If the key length is 64-bit, you should input 10 HEX characters or 5 ASCII characters, like 112233aabb (HEX) or MYWEP (ASCII).</p> <p>If the key length is 128-bit, you should input 26 HEX characters or 13 ASCII characters, like 11223344556677889900abcdef (HEX) or myweppassword (ASCII).</p>
WEP Key Format	<p>Select the Key Format of WEP key here. Available options are 'HEX' and 'ASCII'.</p> <p>When you select 'HEX' WEP key format, you can only use numbers (0 to 9), and alphabet a to f as WEP key; when you select 'ASCII' WEP key format, you can use all alphanumerical characters, and is case sensitive.</p>
Default Key	<p>Select the default key set that is IP camera should use against the wireless access point when WEP encryption is used.</p> <p>Available options are 1 to 4.</p>
WEP Key 1	<p>Input the 1st set of WEP key here. At least a set of WEP key is required and you should use 1st WEP key if you</p>

	only have one WEP key.
WEP Key 2	Input the 2 nd set of WEP key here.
WEP Key 3	Input the 3 rd set of WEP key here.
WEP Key 4	Input the 4 th set of WEP key here.

Click 'Apply' to save settings and make the new settings take effect.

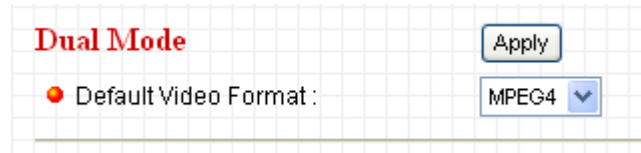
2.4 Video

You can specify the video and audio parameters of this IP camera here.

Dual Mode	<input type="button" value="Apply"/>
● Default Video Format :	MPEG4 ▾
<hr/>	
MPEG4	<input type="button" value="Apply"/>
● Video Resolution :	VGA (640 x 480) ▾
● Video Quality :	<input type="radio"/> CBR 2 Mbps ▾ <input checked="" type="radio"/> VBR Highest ▾
● Video Frame Rate :	30 ▾
<hr/>	
MJPEG	<input type="button" value="Apply"/>
● Video Resolution :	VGA (640 x 480) ▾
● Video Quality :	Highest ▾
● Video Frame Rate :	30 ▾

2.4.1 Dual Mode

This IP camera supports two video encoding formats: MPEG4 and MJPEG. You can select the encoding format from one of them.



The descriptions of every setting in this menu will be given below:

Item	Description
Default Video Format	Specify default video encoding format of this IP camera here. Available options are MPEG4 and MJPEG.

Click 'Apply' to save settings and make the new settings take effect.

2.4.2 MPEG4

If you selected 'MPEG4' as the video encoding format of this IP camera, you can specify the parameters of MPEG4 video encoder here.

MPEG4

Apply

Video Resolution : VGA (640 x 480)

Video Quality : ☒ CBR 2 Mbps ☐ VBR Highest

Video Frame Rate : 30

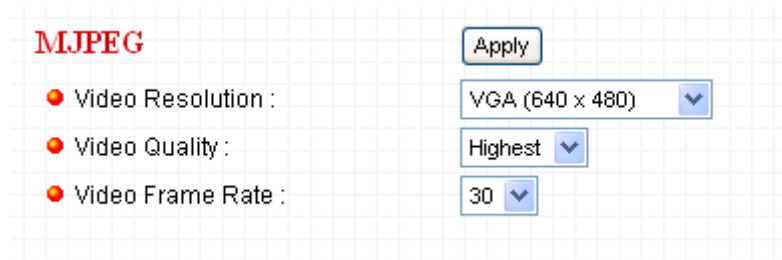
The descriptions of every setting in this menu will be given below:

Item	Description
Video Resolution	Specify video resolution of MPEG4 video encoder. Available options are VGA and QVGA resolution. VGA resolution provides more details than QVGA, but requires more network bandwidth.
Video Quality	Specify video quality. There are two video quality types: CBR (Constant Bit Rate), and VBR (Variable Bit Rate): CBR: The video bit rate is fixed, you can select a bit rate from dropdown menu. Higher bit rate means better video quality. But if your network bandwidth is limited, select a lower bit rate will help. VBR: Video bit rate is variable based on the video content being transferred. There're 5 levels of setting from 'Lowest' to 'Highest'. Select 'Lowest' will lower video quality and save network bandwidth; if a better video quality is required, select 'High' or 'Highest'.
Video Frame Rate	Specify video refresh rate of MPEG4 video encoder. Higher video refresh rate provides more details about motion, but requires more network bandwidth. CAUTION: Choosing a low frame rate will save bandwidth, but may not be able to capture every motion if the object that IP camera points to is moving too fast.

Click 'Apply' to save settings and make the new settings take effect.

2.4.3 MJPEG

If you selected 'MJPEG' as the video encoding format of this IP camera, you can specify the parameters of MPEG4 video encoder here.



MJPEG

Apply

● Video Resolution : VGA (640 x 480)

● Video Quality : Highest

● Video Frame Rate : 30

The descriptions of every setting in this menu will be given below:

Item	Description
Video Resolution	Specify video resolution of MJPEG video encoder. Available options are VGA (640x480), QVGA (320x240), and QQVGA (160x120) resolution. VGA resolution provides more details than QVGA and QQVGA, but requires more network bandwidth.
Video Quality	Specify video encoding quality of MJPEG video encoder. There are five levels of video quality from highest to lowest. Higher video quality provides better video quality, but requires more network bandwidth.
Video Frame Rate	Specify video refresh rate of MJPEG video encoder. Higher video refresh rate provides more details about motion, but requires more network bandwidth. CAUTION: Choosing a low frame rate will save bandwidth, but may not be able to capture every motion if the object that IP camera points to is moving fast.

Click 'Apply' to save settings and make the new settings take effect.

2.5 Email & FTP

This IP camera is capable to send an Email or perform FTP upload with captured image, when a motion is detected. This is very convenient since IP camera will guard the environment automatically for you, and you don't have to look at the monitor all the time.

You can access this menu by clicking 'E-Mail & FTP' on the top of web management interface.



The instructions of Email and FTP settings will be given below.

2.5.1 Email Settings

These settings are used to send the captured picture via Email:

E-Mail

Apply Send a test email

● Recipient E-Mail Address : max 127 characters, support 'user1@server1.com; user2@server2.com' multi-user format

● SMTP Server :

● SMTP Port :

● Sender E-Mail Address :

● SSL : ☐ Enable ☒ Disable

● SMTP Authentication (If needed) : ☐ Enable ☒ Disable

● User Name :

● Password :

The descriptions of every setting in this menu will be given below:

Item	Description
Recipient E-Mail Address	Input the email recipient's Email address here. If you have more than one Email recipient, please add a ; (semicolon) mark between every Email address. All characters shouldn't exceed 127 characters.
SMTP Server	Input the IP address or host name of the SMTP server (the server that delivers the Email for you) here. If you don't know, please refer to the SMTP server you're using in your Email software (like Outlook, Outlook Express etc.), or ask your network administrator or ISP.
SMTP Port	Input mail server's SMTP port here. Most of mail servers use port number 25.
Sender E-Mail Address	Input the Email address of mail sender, this will help you to identify the Email sent by this IP camera by sender's Email address. <i>NOTE: Some mail server would reject to deliver the Email from unknown sender, it's recommended to input your own Email address here, or any other actual one.</i>
SSL	If SSL encryption is required to connect to the SMTP server, select 'Enable' or SMTP connection may fail; select 'Disable' if your SMTP server doesn't support SSL

	encryption. If in doubt, ask your ISP or mail server's administrator.
SMTP Authentication	Some SMTP server requires mail senders to be authenticated before they can send Email. If your SMTP server requires you to do so, please select 'Enable', or select 'Disable' to disable it. If you don't know, please refer to the SMTP server you're using in your Email software (like Outlook, Outlook Express etc.), or ask your network administrator or ISP.
User Name	Please input the user name of SMTP server here, if your SMTP server requires the use of authentication.
Password	Please input the password of SMTP server here, if your SMTP server requires the use of authentication.

Click 'Apply' to save settings and make the new settings take effect.

After that, you can click 'Send a test email' to send a testing Email to the address you set here, so you can make sure the setting you specified here is correct and working.

2.5.2 FTP Settings

These settings are used to send the captured picture by FTP:

The descriptions of every setting in this menu will be given below:

Item	Description
FTP Server	Input the IP address or host name of the FTP server you wish to use here.
FTP Port	Input the port number of the FTP server you wish to use here.
User Name	Input the user name of the FTP server you wish to use here.
Password	Input the password of the FTP server you wish to use here.
Remote Folder	<p>Input the remote folder name on the FTP server here. If nothing is specified here, all uploaded image files will be placed in FTP server's root directory.</p> <p>Please ask FTP server's administrator to know which folder you should use. Certain user name may have restrictions and therefore can not place the file in the directory not owned by the user.</p>
Passive Mode	<p>Select 'Enable' to use passive mode to send file, or select 'Disable' to not to use passive mode to send file.</p> <p>Some FTP servers require passive mode, if you don't know, please ask FTP server's administrator; most of FTP servers will work fine with both modes, but if you</p>

	found that non-passive mode is not working, you can try to use passive mode.
--	--

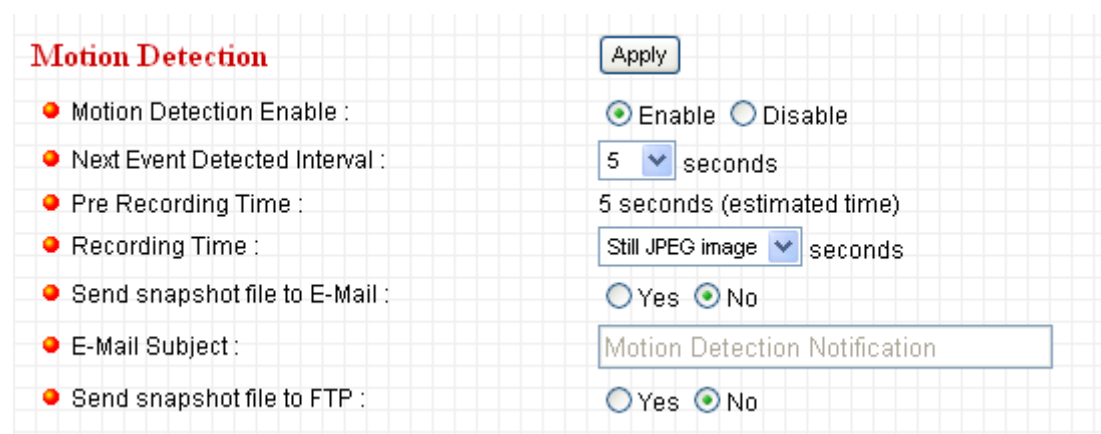
Click 'Apply' to save settings and make the new settings take effect.

After that, you can click 'Upload a test file' to send a file to the FTP server you set here, so you can make sure the setting you specified here is correct and working.

2.6 Motion Detection

2.6.1 Basic Settings

Motion detection function makes this IP camera become your non-stop guard. You don't have to waste all the time monitoring the images from the camera, and camera will detect all motions for you. Once motion is detected, a captured image will be sent to you by Email or via FTP.



Motion Detection

Apply

● Motion Detection Enable : ☒ Enable ☐ Disable

● Next Event Detected Interval : 5 seconds

● Pre Recording Time : 5 seconds (estimated time)

● Recording Time : Still JPEG image seconds

● Send snapshot file to E-Mail : ☐ Yes ☒ No

● E-Mail Subject : Motion Detection Notification

● Send snapshot file to FTP : ☐ Yes ☒ No

You can access this menu by clicking 'Motion Detection' on the top of web management interface.



The descriptions of every setting in this menu will be given below:

Item	Description
Motion Detection Enable	Select 'Enable' to start motion detection, and select 'Disable' to disabled it.
Next Event Detected Interval	<p>Specify the time interval between two motion detections in seconds. If a motion is detected after last detection time, and before next detection time, nothing will be send by Email or via FTP.</p> <p>Please specify a time interval that suites your need. If the time interval is too long, you may not be able to know what is happened between time interval; if the time</p>

	interval is too short, you may receive too much unnecessary images, and consumes too much disk storage spaces on Email and / or FTP server.
Pre Recording Time	This option allows the IP cam to capture additional image frames prior to the event. The duration of pre recording is based on the settings of Resolution and estimated by the IP cam automatically.
Recording Time	Select the duration you wish this camera to record image when a motion is detected from dropdown menu. The available option of the duration is based on the settings of Resolution.
Send snapshot file to Email	Select 'Yes' to send a picture to the Email address you specified in 'E-Mail & FTP' menu when a motion is detection, and select 'No' to disable this function.
E-Mail Subject	Set the subject of Email being sent here. This will help you to distinguish the Email sent by this IP camera from others.
Send snapshot file to FTP	Select 'Yes' to send a picture to the FTP server you specified in 'E-Mail & FTP' menu when a motion is detection, and select 'No' to disable this function.

Click 'Apply' to save settings and make the new settings take effect.

2.6.2 Setup Motion Detection Regions

If you only want to be notified when motion is detected in certain area of captured image, you can use this function and motions outside of motion detection region will be ignored, so you won't receive too much 'useless' notifications.

This IP camera supports up to 3 motion detection regions. To setup detection region, Please use your mouse to drag and resize motion detection regions marked as 'Region1', 'Region2', and 'Region3' (appear as yellow, green, and red squares on image):



Motion detection region settings can be found at the bottom of this page:

<input checked="" type="checkbox"/> Region1	<input checked="" type="checkbox"/> Region2	<input checked="" type="checkbox"/> Region3	<input type="button" value="Refresh"/>
			<input type="button" value="Save"/>
Sensitivity :	90	90	90

The descriptions of every setting in motion detection menu will be given below:

Item	Description
Region1 / Region2 / Region3	Check the box to enable / disable a certain motion detection area.
Sensitivity	Control the detection sensitivity of motion detection of respective motion detection region. When sensitivity is higher, small changes in image will cause IP camera to send a Email / FTP notification; if you received too much unwanted notification, try to set sensitivity to a lower value.
Refresh	Click this button to take and display a new picture so you can make real-time adjustments to motion detection region.
Save	Save current motion detection settings.

2.7 Schedule

You can control FTP / Email image transfer by schedule. Unlike motion detection, the only key to trigger file transfer is time.

Schedule [Apply]

● Enable FTP Schedule : ☒ Enable ☐ Disable

● Time Interval : ☒ Upload one image to FTP server every 1 minute(s) /Frame
☐ Upload one image to FTP server every 2 Frames/Second

● File Control : ☐ Upload files with filename composed of date / time
☒ Overwrite file with the same filename : snapshot.jpg

● Enable E-Mail Schedule : ☐ Enable ☒ Disable

● Time Interval : Send one image every 1 minute(s)

You can access this menu by clicking 'Motion Detection' on the top of web management interface.



The descriptions of every setting in this menu will be given below:

Item	Description
Enable FTP Schedule	Enable or disable FTP scheduling.
Time Interval	<p>Select the time interval between 2 FTP file transfers. Available options are:</p> <p>Upload one image to FTP server every xx second(s) minute(s) / hour(s) / day(s) / Frame: An image file will be uploaded to FTP server after the time you specified here has been passed. Where xx is an integer between ** and **.</p> <p>Upload one image to FTP server every xx Frames/Second: An image file will be uploaded to FTP server every xx frames / second.</p>
File Control	Control the file overwriting behavior:

	<p>Upload files with filename composed of date / time: When a file is uploaded, it will be named as the date and time when the file is uploaded.</p> <p>Over file with the same filename: When a new file is uploaded, it will replace the old one with the same file you specified here.</p>
Enable E-Mail Schedule.	Enable or disable E-mail scheduling.
Time Interval	Specify the time interval between 2 emails.

Click 'Apply' to save settings and make the new settings take effect.

2.8 System

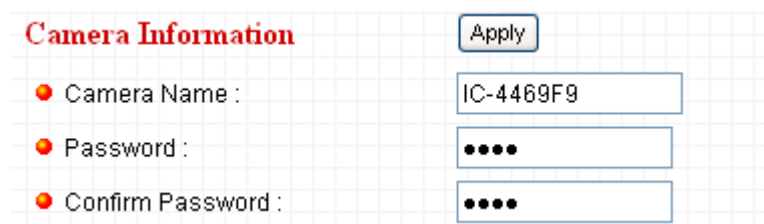
The system menu allows you to set some system-specific parameters, like password and time setting. You can also upgrade the firmware of this IP camera, to make new functions available on this IP camera. You may also clear all settings or reboot the IP camera here.

You can access this menu by clicking 'System' on the top of web management interface.



2.8.1 Camera Information

Camera information allows you to set the name and administrator's password of this camera.



The descriptions of every setting in this menu will be given below:

Item	Description
Camera Name	<p>Please specify the name of this IP Camera here. This can be used to identify your camera on the network when you have more than one IP camera in the same network.</p> <p>Default name begins with 'IC-' plus the last 6 characters of the MAC address of this IP camera. You can modify the name to the one you can remember and meaningful to you, but never give all IP cameras in the same network with same name.</p>
Password	<p>Please specify user name 'admin' 's password here. (The one you need when you log onto web management interface and use 'admin' as user name.</p>
Confirm Password	<p>Please input the same password again, to make sure there's no typo.</p>

Click 'Apply' to save settings and make the new settings take effect.

2.8.2 Date / Time Setting

This setting allows you to change the date and time of the real time clock in this IP camera. You can set the time manually, or use network time protocol (NTP) to set the time automatically.

Date / Time Setting

☒ Set Date/Time manually / / : :

☐ NTP Server

☒ Time Zone : (GMT+08:00) Taipei ▼

☒ NTP Server : pool.ntp.org

☒ Enable Daylight Saving Time : ☐ Yes ☒ No

The descriptions of every setting in this menu will be given below:

Item	Description
Set Date/Time manually	<p>Please input the date and time you wish to set here.</p> <p>Date / time format is YYYY / MM / DD HH:MM:SS Time is in 24-hour format.</p> <p>You can click 'Synchronize to PC time' to use the time of the computer you're using.</p> <p><i>Example: 24th August 2007 = 2007/ 08 / 24, and PM 9:24:30 = 21:24:30</i></p>
Time Zone	Please select the time zone of the country / city of resident from dropdown menu here.
NTP Server	Please input the IP address or host name of NTP server here. You can use default value 'pool.ntp.org', or ask your ISP for the IP address or host name, if they have one.
Enable Daylight Saving Time	Select 'Yes' if your area of residence uses daylight saving; if not, select 'No'.
Synchronize to PC time	Click this button and the IP camera will use the current time setting of your computer as IP camera's time setting.

Click 'Apply' to save settings and make the new settings take effect.

2.8.3 Utilities

This menu allows you to upgrade firmware, clear all settings, reboot the IP camera, and switch LED lights on/off.

Utilities

- Upgrade Firmware :
- Reset To Factory Defaults :
- Reboot Device :
- LED Setting :

The descriptions of every setting in this menu will be given below:

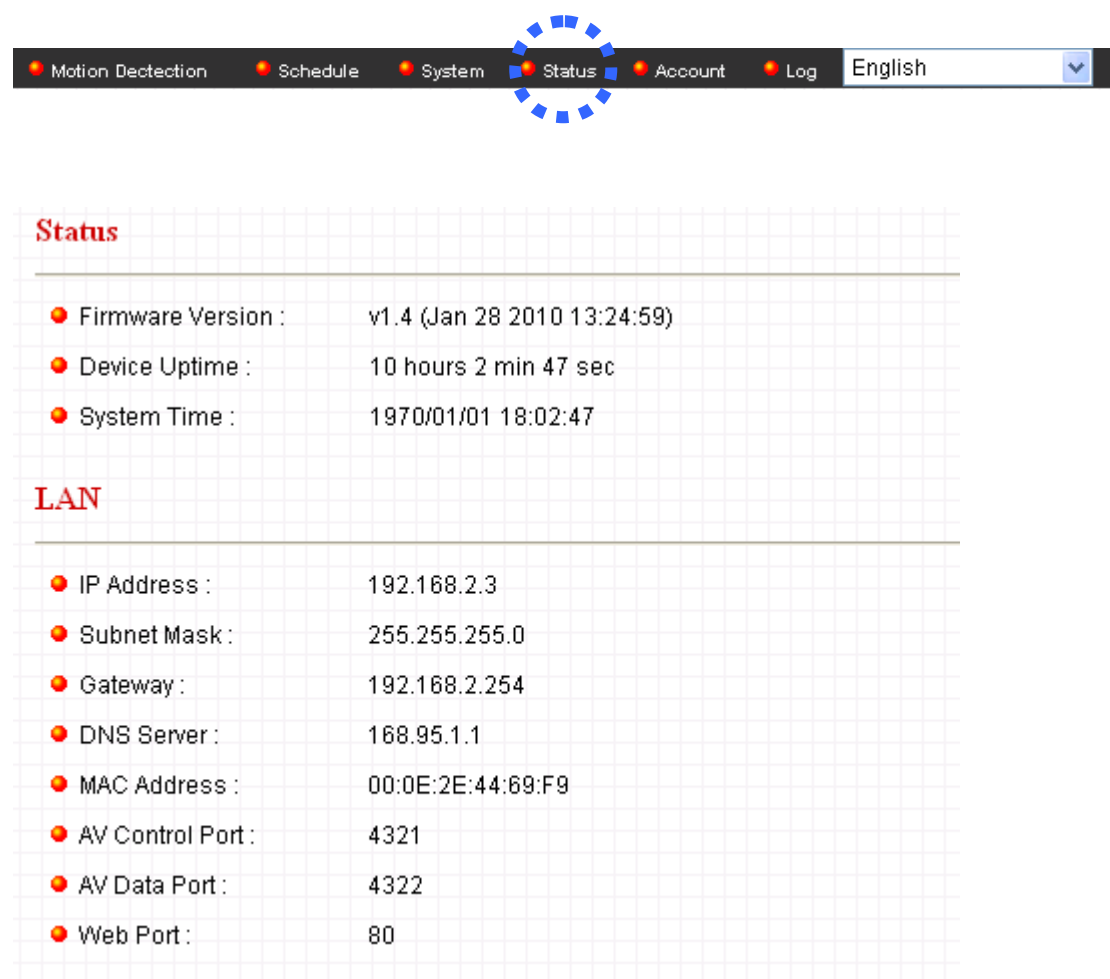
Item	Description
Upgrade Firmware	<p>If you downloaded latest firmware file from our website, you can click 'Browse' button to pick the firmware file you wish to use. Then click 'Upgrade' button to start firmware upgrade procedure.</p> <p><i>It's recommended to use wired Ethernet connection when you use this function, and DO NOT DISCONNECT OR CLOSE WEB BROWSER DURING UPGRADE!</i></p>
Reset	<p>Clear all settings in the camera. Please think again before you do this, and then click this button to reset all settings.</p> <p><i>NOTE: IP address will be reset to default value '192.168.2.3' also. You'll need to change the IP address setting of your computer if the IP address of your computer does not begin with '192.168.2', and subnet mask is not '255.255.255.0', or you'll not be able to connect to this IP camera again.</i></p>
Reboot Device	<p>If you found the IP camera is responding slowly or behaves strange, you can click this button to try to reboot the IP camera, this may help.</p>
LED Setting	<p>Switch the LED light of this IP camera off, so 'LAN' and 'WLAN' LED on the IP camera will stop working, in case</p>

	<p>you don't want other people know the camera is transferring data.</p> <p>You can click this button again to switch LED lights on again.</p>
--	--

2.9 Status

This menu provides all information about this IP camera, like firmware version, system uptime, date / time, and network information.

You can access this menu by clicking 'Status' on the top of web management interface.



Status

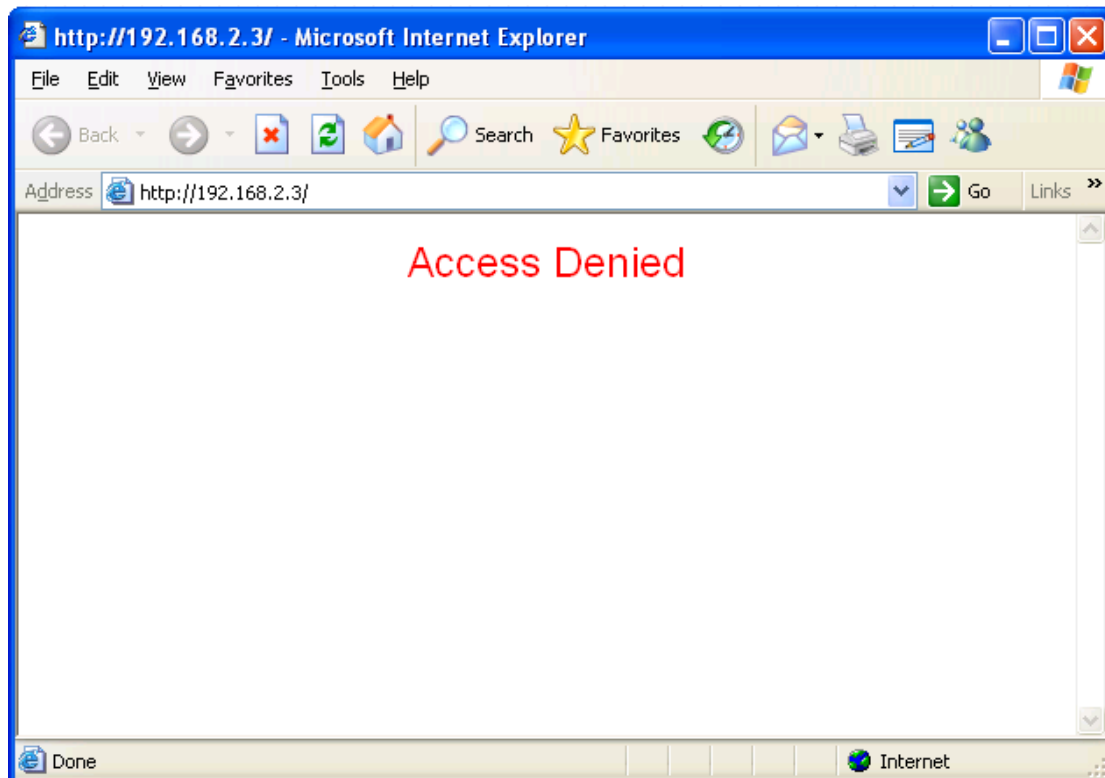
Firmware Version :	v1.4 (Jan 28 2010 13:24:59)
Device Uptime :	10 hours 2 min 47 sec
System Time :	1970/01/01 18:02:47

LAN

IP Address :	192.168.2.3
Subnet Mask :	255.255.255.0
Gateway :	192.168.2.254
DNS Server :	168.95.1.1
MAC Address :	00:0E:2E:44:69:F9
AV Control Port :	4321
AV Data Port :	4322
Web Port :	80

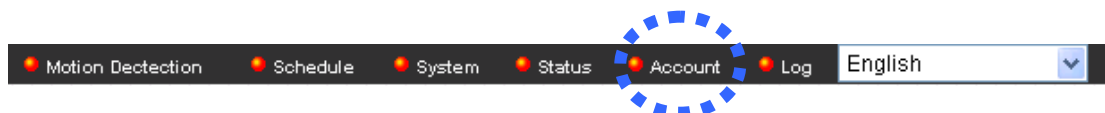
2.10 Account

If you wish to allow other people to view the image captured by this camera, but don't want to allow them to modify system settings, you can give them user-level user name and password, so they can only view the image and can not change any system setting. When they want to click menus other than 'Camera', they will see the following message informing that they don't have permission to do that:



This IP camera supports up to 16 user accounts.

You can access this menu by clicking 'Account' on the top of web management interface.



Note: only one user (including administrator) will be able to view the image of IP camera at the same time.

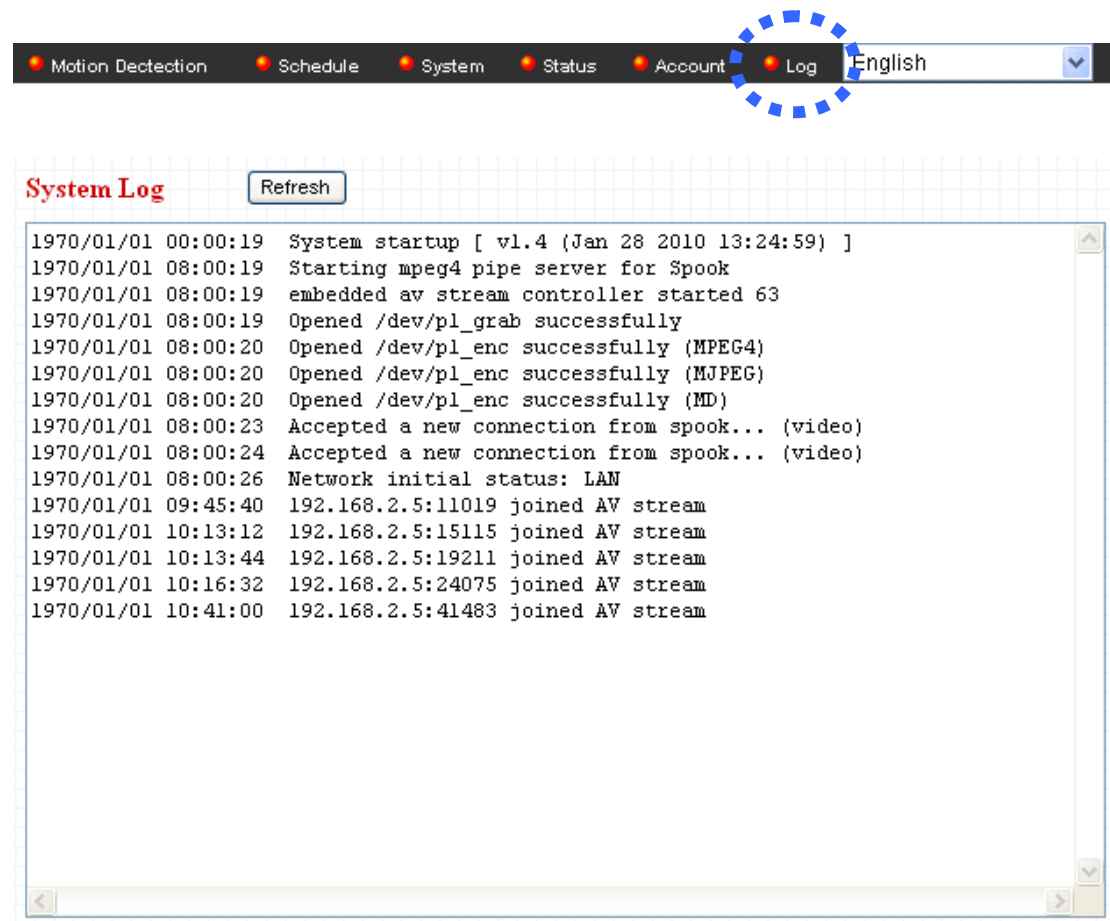
The descriptions of every setting in this menu will be given below:

Item	Description
Login	Specify the user name here. Please use alphanumerical characters (0 to 9, A to Z, and a to z). Not using symbols and space.
Password	Specify the password for this user here.
Confirm Password	Specify the password for this user here again.
Authority	Select 'Operator' and this user will be able to change the settings of IP camera; select 'Guest' and this user can only view the image.
Add	Click 'Add' to add a new user with the information listed above.
Modify	To modify the information of an existing user, select his / her user account, change the information, and then click this button to save changes.
Remove	Select an existing user and click this button to remove it.

2.11 Log

All activities of this IP camera will be logged, and you can enter 'Log' menu to view these logs.

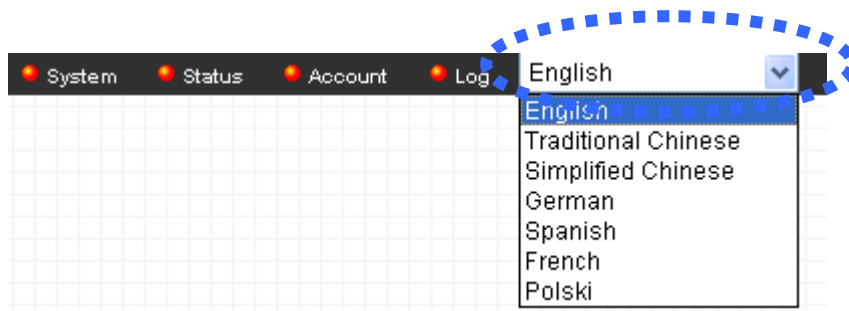
You can access this menu by clicking 'Log' on the top of web management interface.



Click 'Refresh' to get latest update.

2.11 Language Menu

This IP camera's user interface supports multiple languages. To change language, click 'Language' dropdown menu:



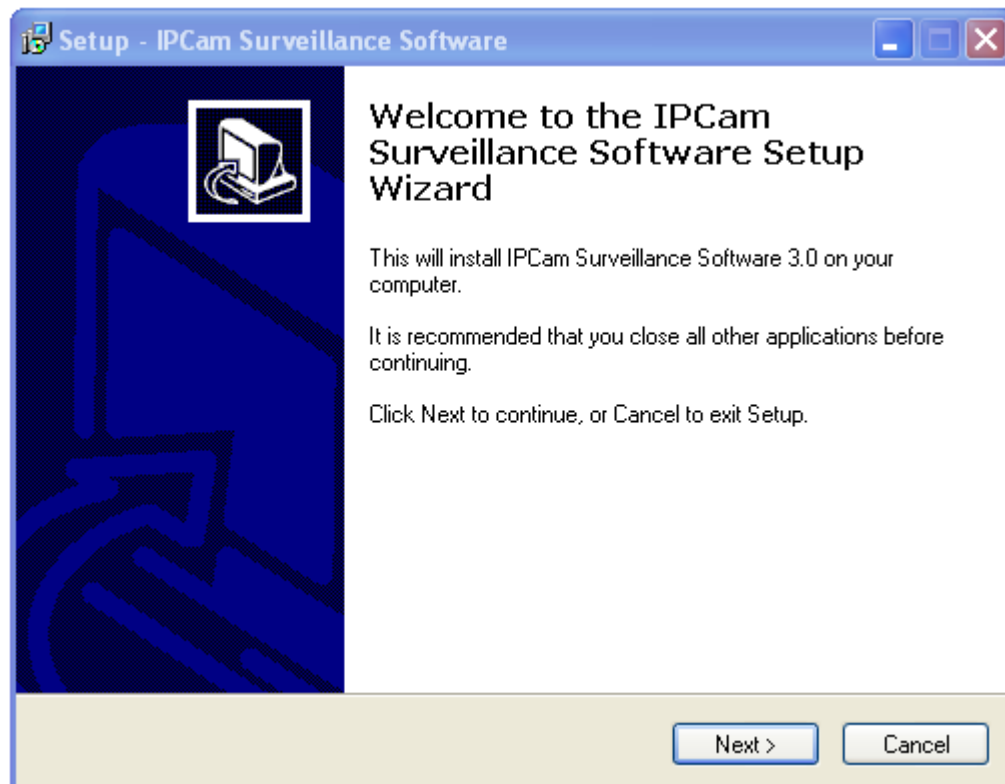
Select a language you wish to use from dropdown menu to change displaying language.

Chapter III: Using Surveillance Software

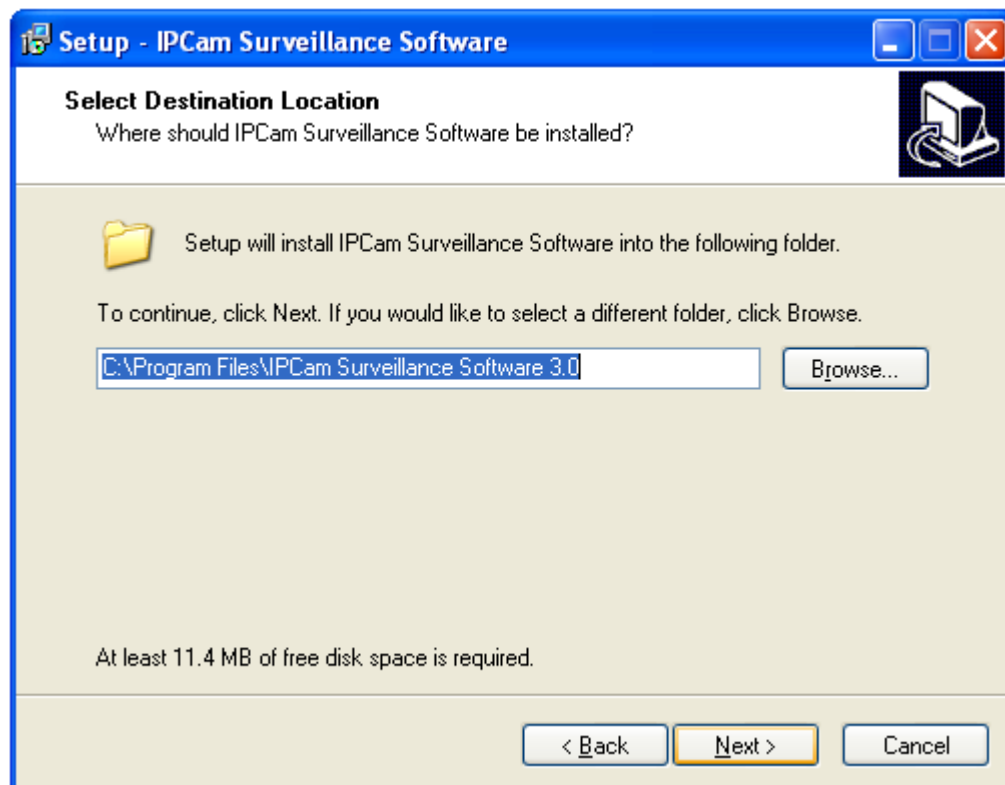
3-1 Installing IP Camera Surveillance Software

The IP camera surveillance software provides various functions like video recording, after this software is installed, you can use your IP camera to safeguard your property. Please follow the following instructions to install the surveillance software.

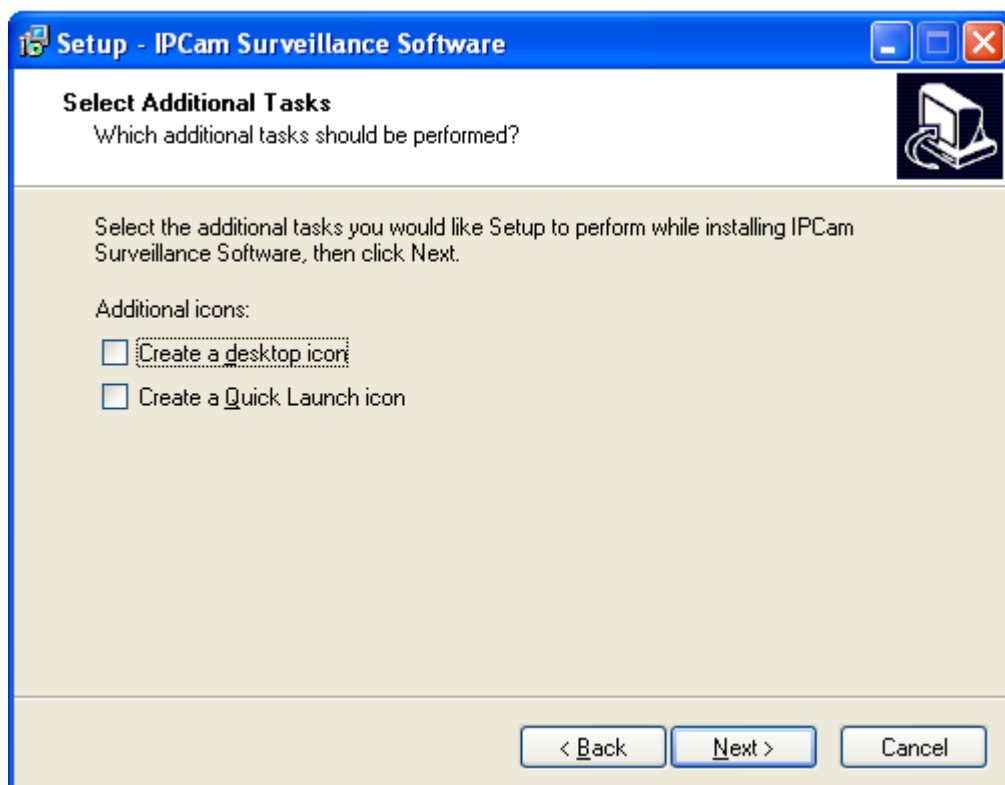
1. Click “16 channel viewer” in supplied CD-ROM, when the following window appears, click ‘Next’.



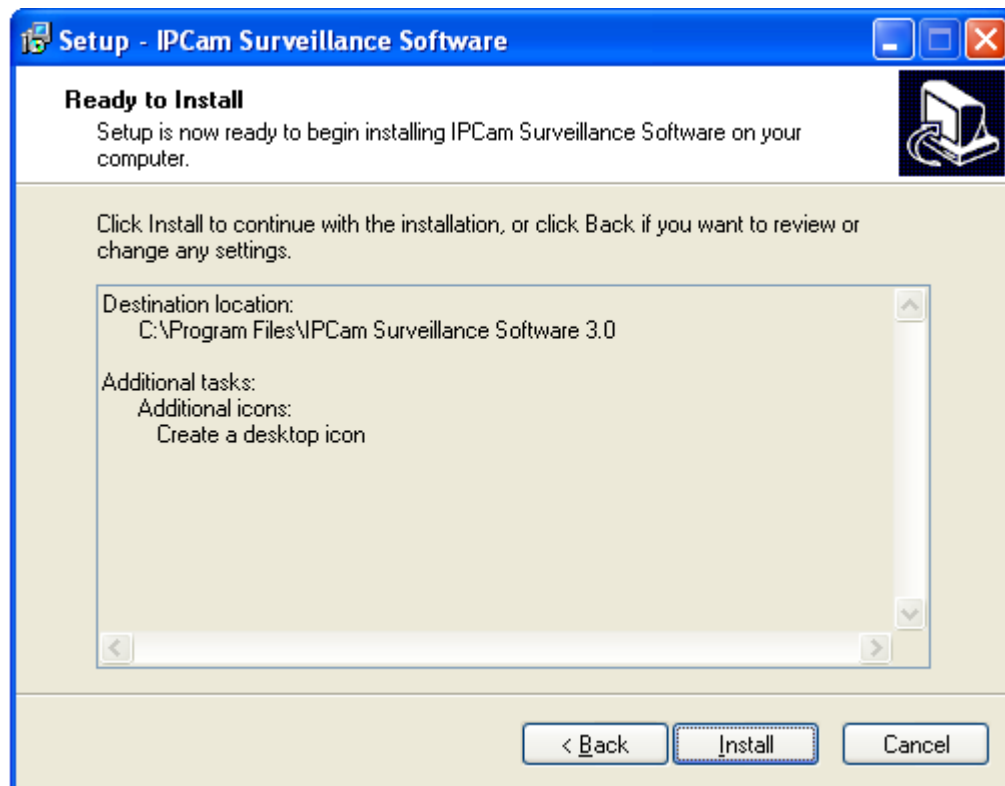
2. You can specify the destination folder of software installation, you can just use the default folder, and click ‘Next’ to continue.



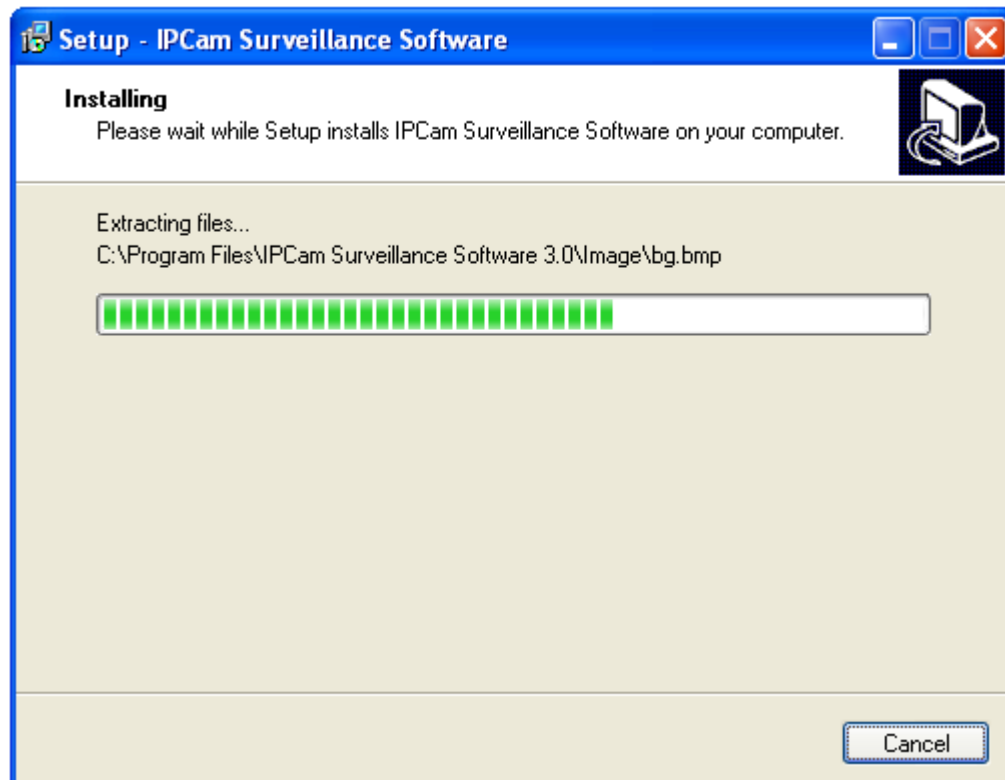
3. If you need installation program to create a desktop icon or a quick launch icon for you, click all items you need here, than click 'Next' to continue.



4. Here lists all options you chose in previous steps, if everything's correct, click 'Install' to start installing procedure, or click 'Back' to go back to previous step to modify installing settings.



5. The installing procedure will take some time, please be patient.



6. When you see this window, it means the software installing procedure is complete. Please click 'Finish' to finish the procedure (IP camera surveillance software will start after you click 'Finish' button, if you want to start it later, uncheck 'Launch IPCam Surveillance Software' box).



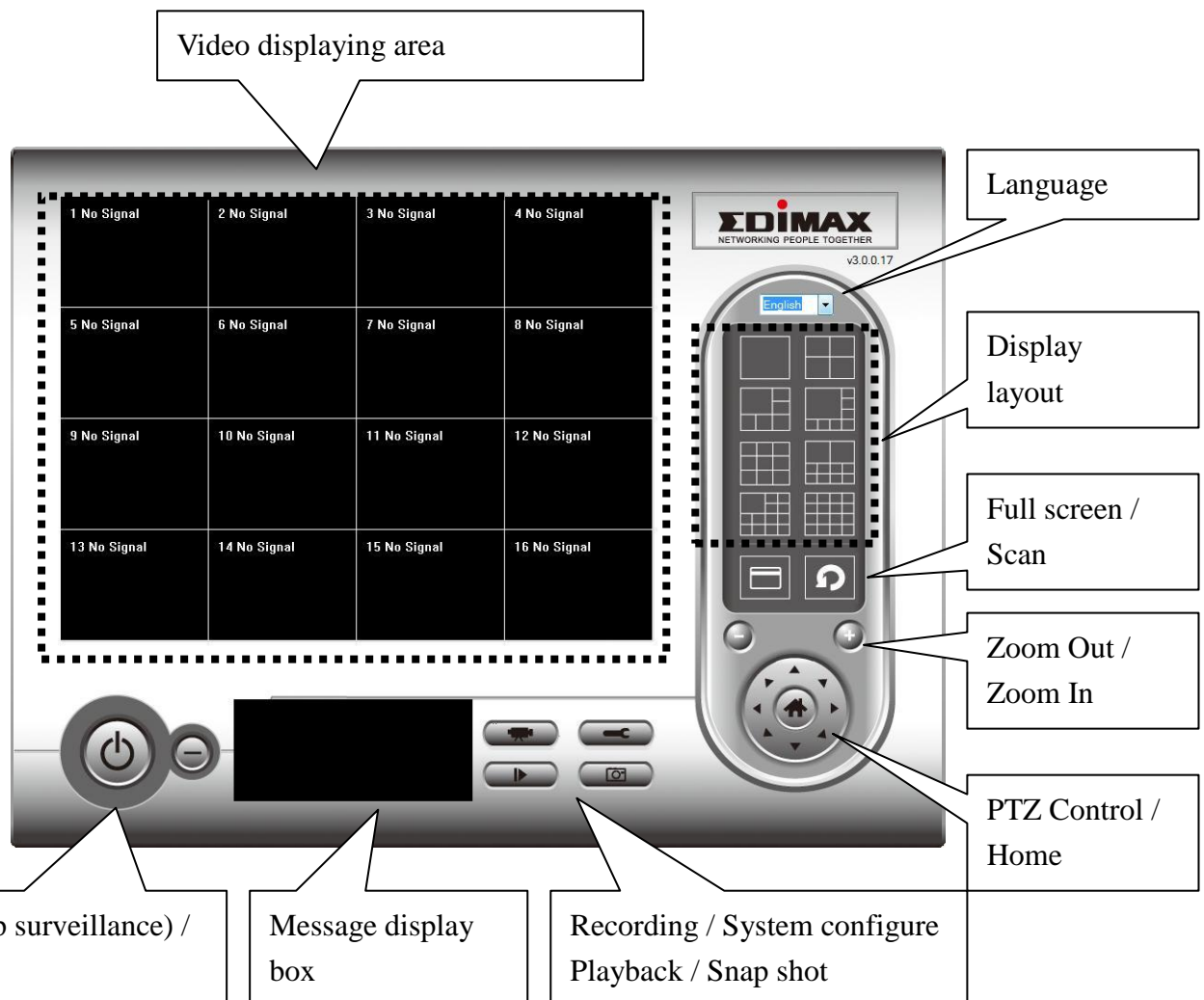
3-2 Using IP camera surveillance software

You can click 'IPCam Surveillance Software' icon from desktop, quick launch bar, or start menu to start the IP camera surveillance software.












Before you start:





IP camera surveillance software will only work when your monitor's resolution is '1024 x 768'. Please change the resolution before you use IP camera surveillance software, or it won't start.

Here are descriptions for all components of IP camera surveillance software:




You can put the mouse cursor on a certain component and see its button name, and here're detailed descriptions of all buttons:

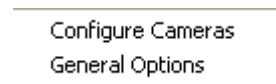
Item	Description
Video displaying area	The image of all connected cameras will be displayed here.
Language	Select a language from this dropdown menu to change display language.
Display layout 	Change camera image display layout (Click a layout icon to change camera display layout). There are 8 kinds of available display layouts.
Full screen 	Click this button to switch to full screen mode (only display all camera's image), press 'ESC' key to quit full screen mode.
Scan 	Click this button and the IP camera surveillance software will switch displaying the image of all connected camera automatically. Click this button once to activate scan function (scan icon will become blue ) , click again to stop scanning (scan icon will become white ) .
Zoom out 	Zoom-out (To see more objects). This function is only available for supported cameras.
Zoom In 	Zoom-in (Too see more details). This function is only available for supported cameras.
PTZ control 	There are 8 directions in PTZ control ring. If the camera you connect support PTZ, you can use PTZ control ring to change the direction that camera points to. This function is only available for supported cameras.
Home 	Click this button to return the camera to 'Home' (default) position. This function is only available for supported cameras.
Recording 	Start video recording.
Configure 	Software / camera configuration.

Playback 	Playback a recorded video file.
Snapshot 	Take a snapshot of current camera.
Message display	Displays all system messages like camera is disconnected etc.
Close window (stop surveillance) 	Terminates IP camera surveillance software.
Minimize window 	Minimizes IP camera surveillance software window.
Video displaying area	Displays the image of all cameras by the display layout you selected.

3-3 Configure IP camera surveillance software

3-3-1 Configure cameras

Before you use this IP camera surveillance software, you must configure the camera(s) you wish to connect. Please click 'System configure' button  and a popup menu will appear:



Please select 'Configure Cameras' to configure cameras:

Note: If you're prompted by a windows security alert which asks you if you want to block 'IPCamViewer' program, please click 'Unblock' button, of IP camera surveillance software will not be able to function correctly.



3-3-1-1 'Camera' tab

In this tab you can configure all cameras you wish to connect. Up to 16 cameras can be connected simultaneously:

The screenshot shows a window titled 'Configure Cameras' with a tabbed interface. The 'Camera' tab is selected, showing configuration fields for 'Camera Configuration 15'. On the left, a list of channels from 1 to 16 is shown, with 'Channel 15' highlighted. The configuration fields include: Name (IC7000PTnV2), Model (empty), IP Address (192.168.2.105), Username (admin), Web Port (80), and Password (masked with dots). A 'Reset' button is next to the password field. Below these is a 'Camera Search' section with a table header: Camera Name, IP, Model. The table is currently empty. 'Select' and 'Refresh' buttons are at the bottom of the search section. 'OK' and 'Cancel' buttons are at the bottom right of the window.

Here are the descriptions of all setting items:

Item	Description
Channel	Select the channel number you wish to set.
Camera Search	All cameras found on your local network will be displayed in 'Camera Search' box.
Select	Select a camera listed in 'Camera Search' box, and click 'Select' button to fill all parameters of selected camera in every camera configuration fields.
Refresh	Rescan all cameras on your local network. If you didn't see the camera you expected in 'Camera Search' box, or new cameras has been joined to your local network after last scan.
Name*	Input the name of camera here. Default value is the first 6 bytes of camera's MAC address, you can change the name of camera so you can remember the camera's location of purpose easily.
Model	Displays the model of selected camera, this field can not be changed.

IP*	Input the IP address of camera.
Username*	Input the user name of camera.
Web Port*	Input the web port of the camera. By default it's '80'.
Password	Input the password of camera. Default value is '1234'. You should change the password if you changed the password of selected camera.
Video Format**	Select the video encoding format of this camera (MJPEG or MPEG4).
Reset	Clear all fields in 'Camera Configuration' section.
OK	Save settings in this tab.
Cancel	Discard all settings in this tab.

*: It's recommended to use 'Select' button to fill the content of this field.

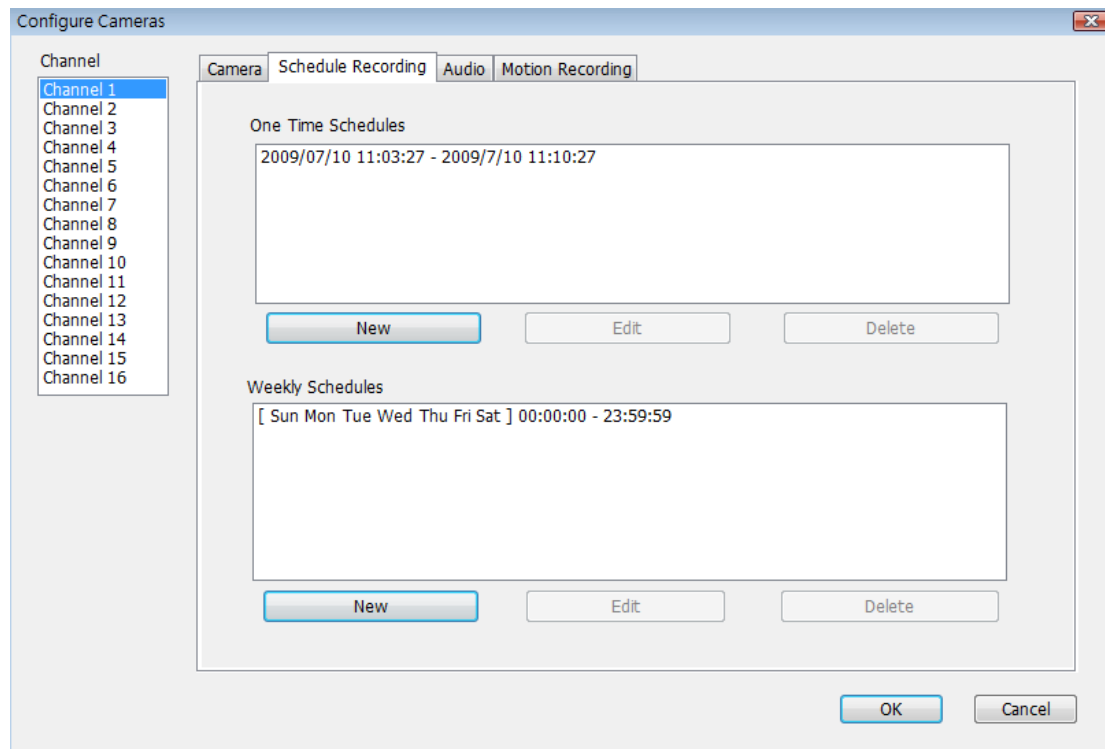
**: Only available for cameras support this function.

After you've set all channels you wish to set, click 'OK' to save settings, and if everything's correct, you'll see the camera's image in IP camera surveillance software's main menu:



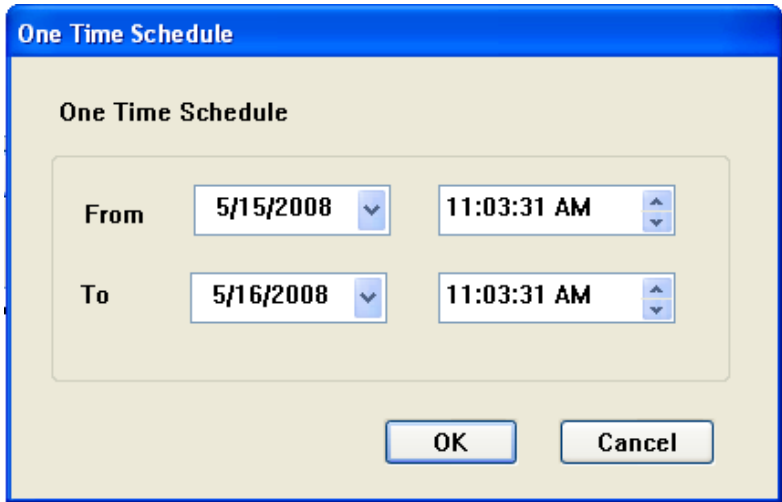
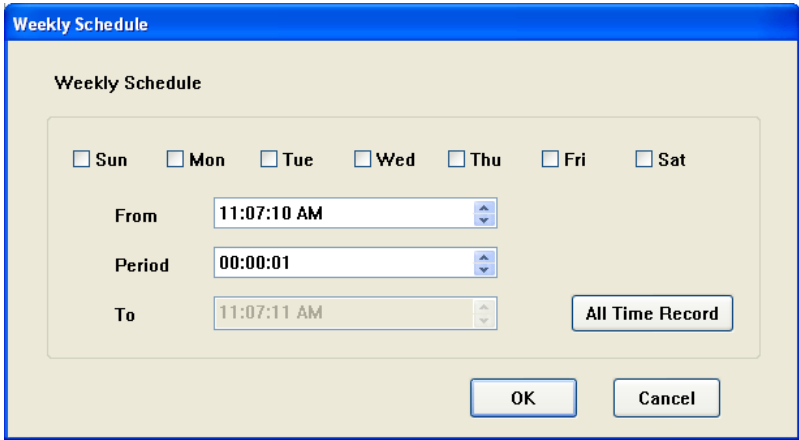
3-3-1-2 Schedule Recording

In this tab, you can setup scheduled video recording, so you can record the video captured by all cameras you have by a pre-defined schedule.



Here are the descriptions of all setting items:

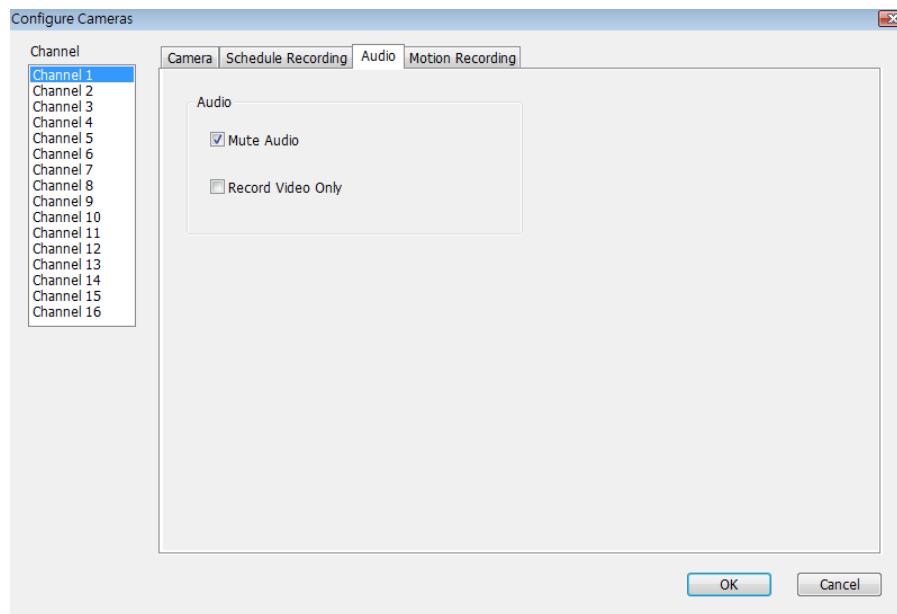
Item	Description
Channel	Select the channel number you wish to set.
One Time Schedules	You can specify the one-time schedule for selected camera; this schedule will be executed once only.
New (One Time Schedules)	Click this button and a new window will appear:

	<div data-bbox="518 203 1302 703" data-label="Form">  <p>The 'One Time Schedule' dialog box has a blue title bar. Inside, it has a label 'One Time Schedule'. Below this, there are two rows of controls. The first row is labeled 'From' and contains a date dropdown set to '5/15/2008' and a time spinner set to '11:03:31 AM'. The second row is labeled 'To' and contains a date dropdown set to '5/16/2008' and a time spinner set to '11:03:31 AM'. At the bottom right, there are 'OK' and 'Cancel' buttons.</p> </div> <p>Please specify the time duration of this one-time schedule (the date and time of 'From' and 'To'), then click 'OK' to save settings.</p> <p>Please note you must set a schedule that will be happened in the future, you can not set a schedule in the past.</p>
Edit	<p>You can modify a scheduled recording item. Select a schedule in 'One Time Schedules' list, and click 'Edit' button to edit the start and end time of this schedule.</p>
Delete	<p>Delete a selected schedule item.</p>
New (Weekly Schedules)	<p>Click this button and a new window will appear:</p> <div data-bbox="518 1413 1319 1850" data-label="Form">  <p>The 'Weekly Schedule' dialog box has a blue title bar. Inside, it has a label 'Weekly Schedule'. Below this, there are seven checkboxes for the days of the week: Sun, Mon, Tue, Wed, Thu, Fri, and Sat. Below the checkboxes, there are three rows of controls. The first row is labeled 'From' and contains a time spinner set to '11:07:10 AM'. The second row is labeled 'Period' and contains a time spinner set to '00:00:01'. The third row is labeled 'To' and contains a time spinner set to '11:07:11 AM'. To the right of the 'To' row, there is an 'All Time Record' button. At the bottom right, there are 'OK' and 'Cancel' buttons.</p> </div> <p>You can define recording schedule that will be executed at the specified time of certain weekday(s) in a week.</p>

	<p>Please check all weekdays that applies, and set the start time in 'From' field. You can set the duration of video recording in 'Period' field (format is HH:MM:SS), and the end time will be calculated automatically and displayed in 'To' field. You can also click 'All Time Record' button to define a recording schedule that will be executed every weekday, from 12:00:00AM to 11:59:59PM.</p> <p>Click 'OK' to save changes.</p>
Edit	You can modify a scheduled recording item. Select a schedule in 'One Time Schedules' list, and click 'Edit' button to edit the start and end time of this schedule.
Delete	Delete a selected schedule item.
OK	Save settings in this tab.
Cancel	Discard all settings in this tab.

3-3-1-3 Audio

For cameras that support audio, you can use this tab to decide if you wish to hear the audio captured by selected camera.



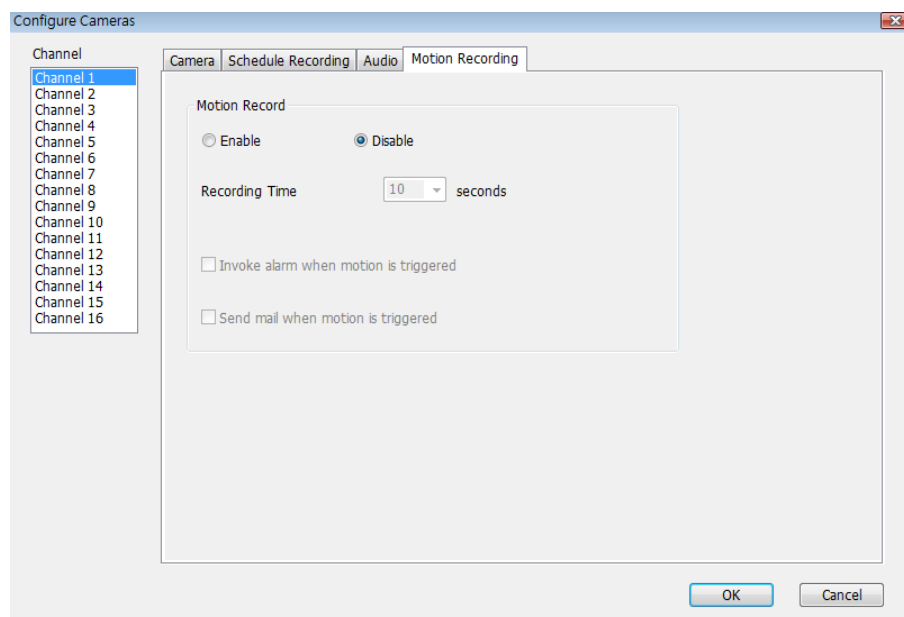
Here are the descriptions of all setting items:

Item	Description
Channel	Select the channel number you wish to set.
Mute Audio	Check this box and the IP camera surveillance software will not play the audio captured by this camera.
Record Video Only	Check this box and the IP camera surveillance software will not record the audio captured by this camera.
OK	Save settings in this tab.
Cancel	Discard all settings in this tab.

3-3-1-4 Motion Record

With this function activated, only motions captured by the camera will be recorded, so you don't have to waste hard disk storage space on images you don't need to pay attention to.

WARNING: For applications that security is highly concerned, it's not recommended to use this function since some tiny changes you may need to know may not be able to trigger the camera and the camera will not start recording.



Here are the descriptions of all setting items:

Item	Description
Channel	Select the channel number you wish to set.
Enable	Enable motion record function.
Disable	Disable motion record function.
Recording Time	Select the time duration that camera will record when a motion has been detected from dropdown menu in seconds.
Invoke alarm when motion is triggered	Send an alarm when a motion has been detected by the camera.
Send mail when	Send an email to a pre-defined address when a motion

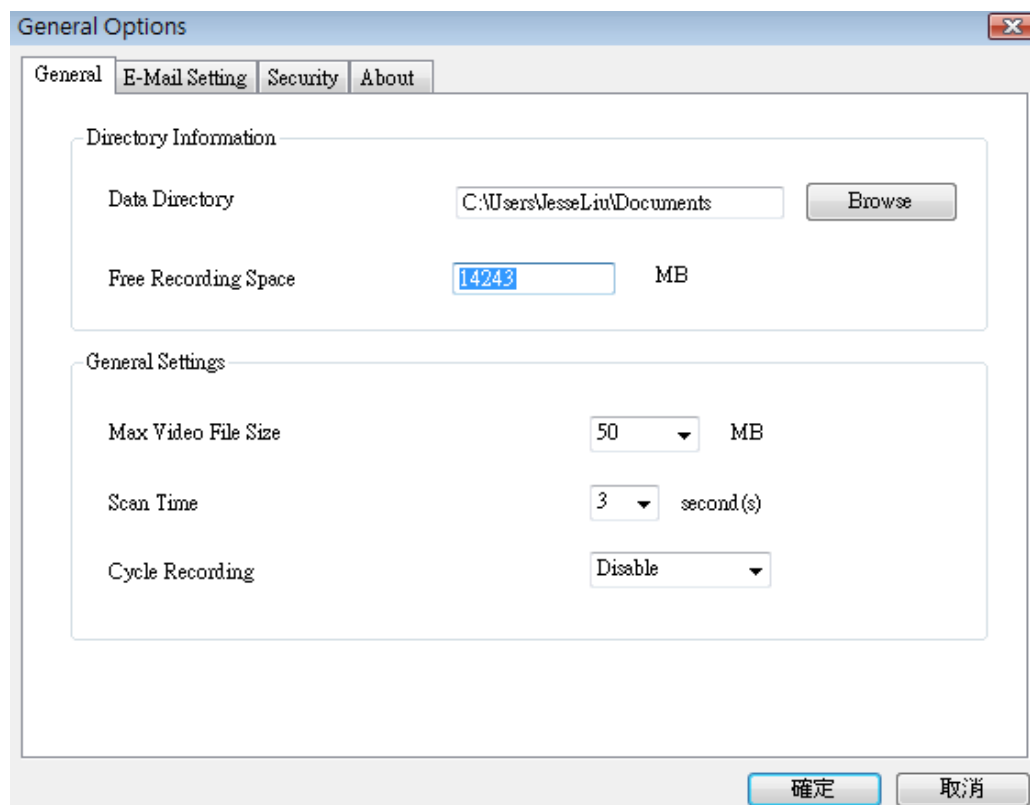
motion is triggered	has been detected by the camera.
OK	Save settings in this tab.
Cancel	Discard all settings in this tab.

3-3-2 General Settings

You can set system-wide settings of this IP camera surveillance software in this menu.

3-3-2-1 'General' tab

All general settings like file storage directory and recording spaces can be set here.



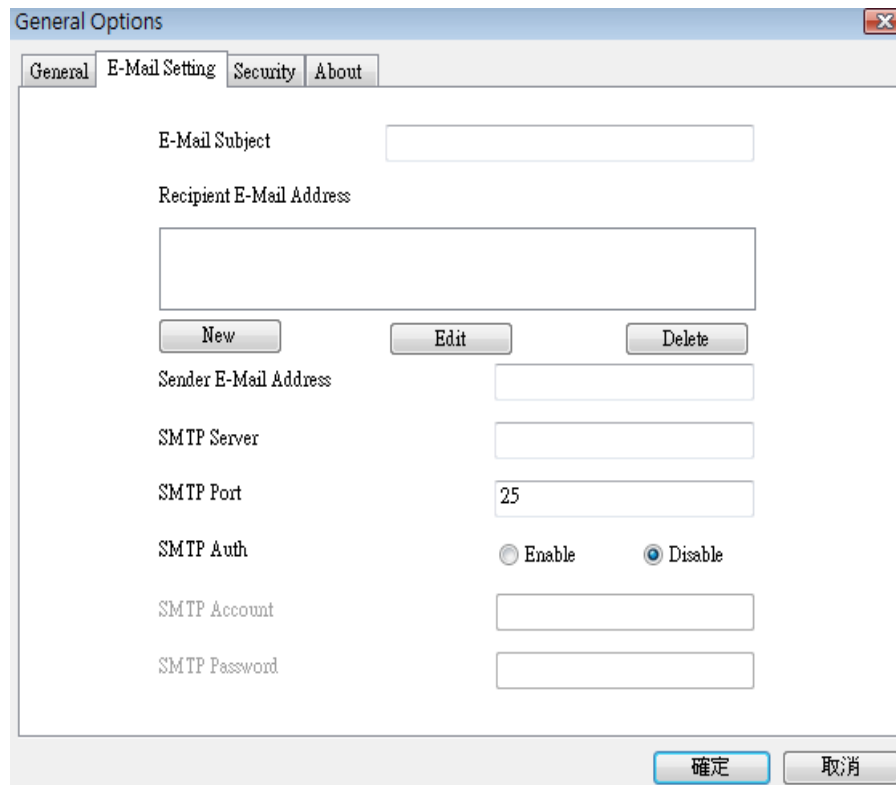
Here are the descriptions of all setting items:

Item	Description
Data Directory	Set the directory (folder) you wish to store the recorded video and captured image. You can click 'Browse' button to pick a directory in your hard disk.
Free Recording Space	Displays remaining storage space.
Max Video File Size	Defines the maximum file size of every video file. When the size of file exceeds this value, IP camera surveillance software will open another file to record the video.

Scan Time	Define the time period to pause between every camera switch when you activate 'Scan' function.
Cycle Recording	<p>You can decide the behavior when hard disk space is full:</p> <p>Disable: Do not overwrite recorded video files.</p> <p>Enable: Overwrite recorded video files.</p>
OK	Save settings in this tab.
Cancel	Discard all settings in this tab.

3-3-2-2 'E-Mail Setting' tab

If you want to use motion detection function and wish to get an email that contains the image captured by the camera, please setup your email related parameters here first.



General Options

General E-Mail Setting Security About

E-Mail Subject

Recipient E-Mail Address

New Edit Delete

Sender E-Mail Address

SMTP Server

SMTP Port 25

SMTP Auth ☐ Enable ☒ Disable

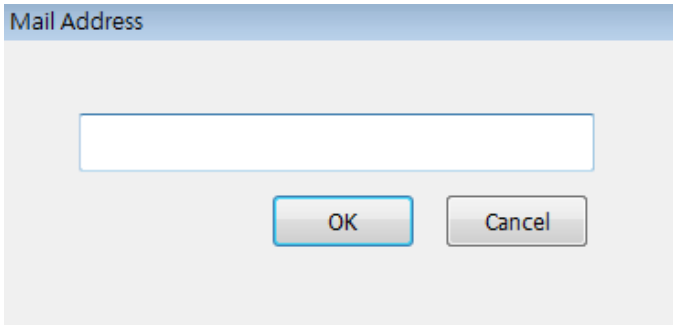
SMTP Account

SMTP Password

確定 取消

Here are the descriptions of all setting items:

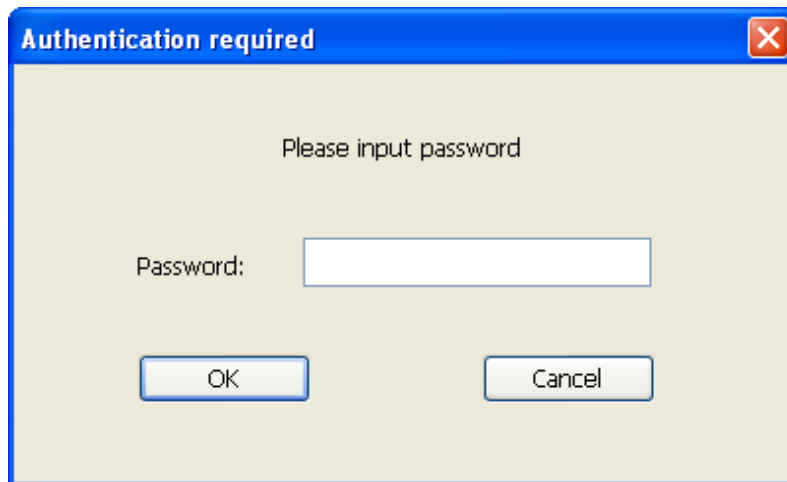
Item	Description
E-Mail Subject	Specify the subject of sending email.
Recipient E-Mail Address	Here lists all email addresses you set.
New	Click this button and you'll be prompted to input the email address. Click 'OK' to save changes.

	 <p>A screenshot of a 'Mail Address' dialog box. It has a title bar 'Mail Address' in blue. Below the title bar is a large white text input field. At the bottom of the dialog are two buttons: 'OK' and 'Cancel'.</p>
Edit	Select an email address from 'Recipient E-Mail Address' box, and click 'Edit' to edit the email address.
Delete	Delete selected email address.
Sender E-Mail Address	Specify the email address of email sender.
SMTP Server	Specify the IP address or host name of the SMTP server you wish to use. For most of ISPs they will only allow its subscriber to use their SMTP server, if you don't know which SMTP server you should use, please refer to the setting of your email software or ask your ISP / network administrator.
SMTP port	Specify the port number of the SMTP server you wish to use here. By default (and the setting of most of SMTP servers) it's '25'.
SMTP Auth	Select 'Enable' if your SMTP server requires authentication, select 'Disable' if it's not required. If you don't know if your SMTP server requires authentication, please refer to the setting of your email software or ask your ISP / network administrator.
SMTP Account	Input the SMTP account (username) of your SMTP server here. In most cases, it's the same with your POP3 username (the one you used to receive email). Please refer to the setting of your email software or ask your ISP / network administrator if you're not sure about this.
SMTP Password	Input the SMTP password of your SMTP server here. In most cases, it's the same with your POP3 password (the one you used to receive email). Please refer to the setting of your email software or ask your ISP / network administrator if you're not sure about this.
OK	Save settings in this tab.
Cancel	Discard all settings in this tab.

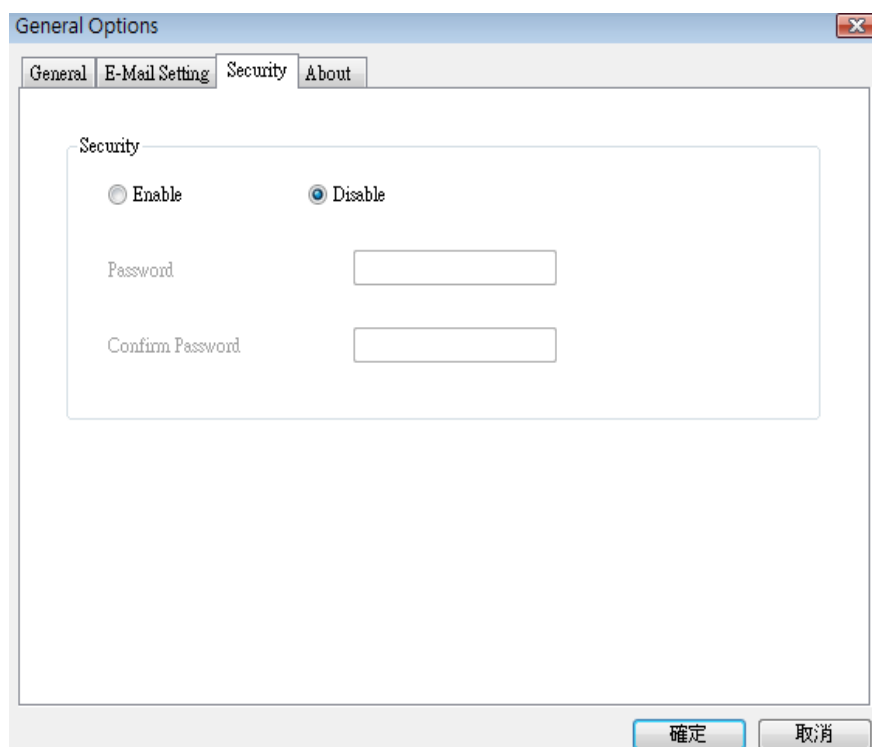
3-3-2-3 Security

If you don't want other people to access this IP camera surveillance software, you can set a password to protect it.

You'll need to input the password every time you wish to use this IP camera surveillance software:



To set password, please use 'Security' tab in 'General Options' menu:

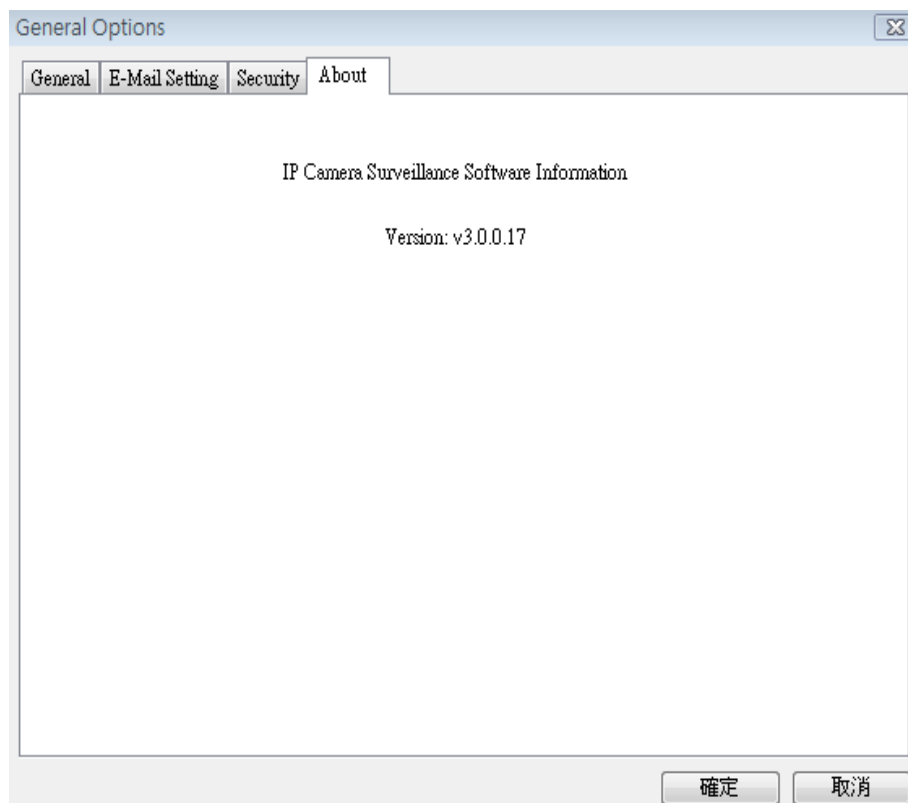


Here are the descriptions of all setting items:

Item	Description
Enable	Requires password authentication when this software starts.
Disable	Password authentication is not required when this software starts.
Password	Input the password you wish to use here.
Confirm Password	Input the password you wish to use here again.

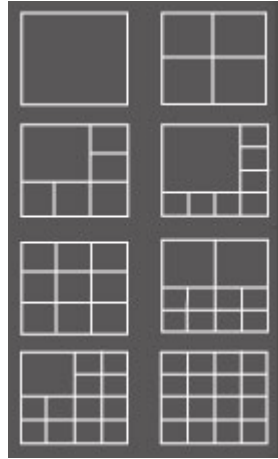
3-3-2-4 About

This tab shows the version number of the IP camera surveillance software you're using.


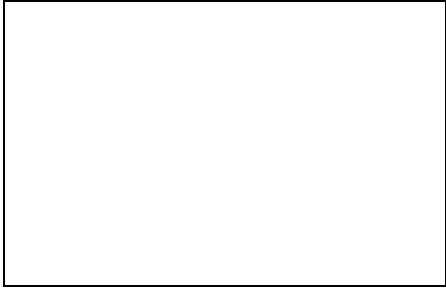

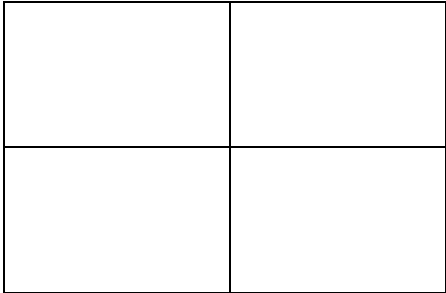


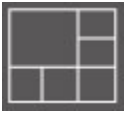
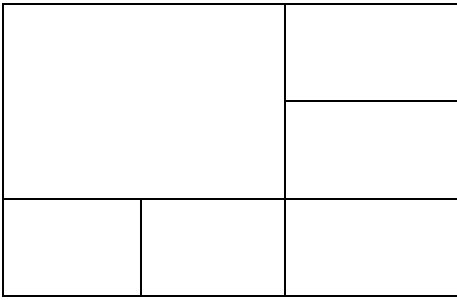

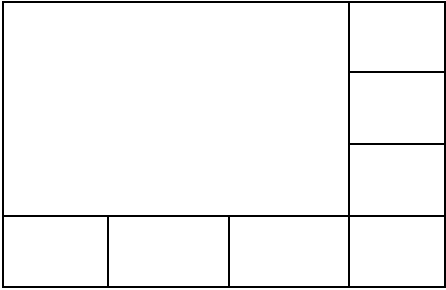
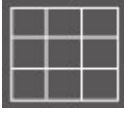
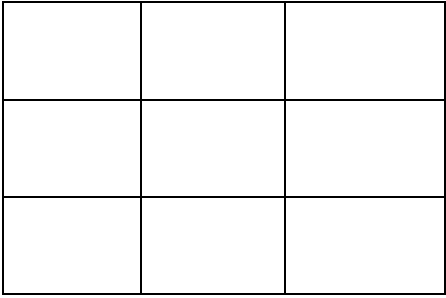
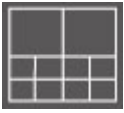
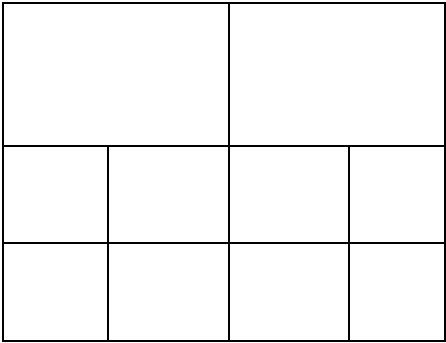
3-4 Change Display Layout

This IP camera surveillance software provides 8 kinds of display layout:

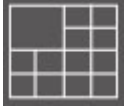


Every layout displays different number of camera and camera arrangement, you can click the icon that presents a specific kind of layout, and the video displaying area will change accordingly.

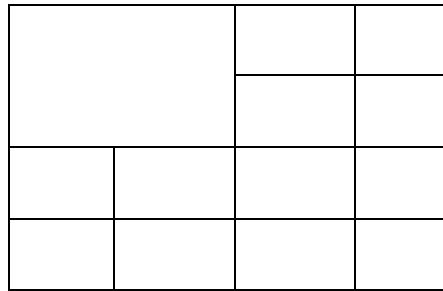
<p>Layout style 1: 1 Camera only</p> 	<p>Displays the video of 1 camera only.</p> 
<p>Layout style 2: 4 Cameras</p> 	<p>Displays the video of up to 4 cameras.</p> 

<p>Layout style 3: 6 Cameras</p> 	<p>Displays the video of up to 6 cameras.</p> 
<p>Layout style 4: 8 Cameras</p> 	<p>Displays the video of up to 8 cameras.</p> 
<p>Layout style 5: 9 Cameras</p> 	<p>Displays the video of up to 9 cameras.</p> 
<p>Layout style 6: 10 Cameras</p> 	<p>Displays the video of up to 10 cameras.</p> 

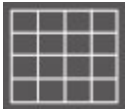
Layout style 7: 13
Cameras



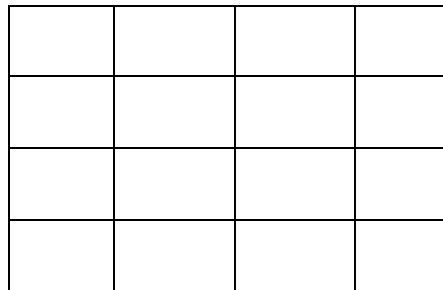
Displays the video of up to 13 cameras.



Layout style 8: 16
Cameras

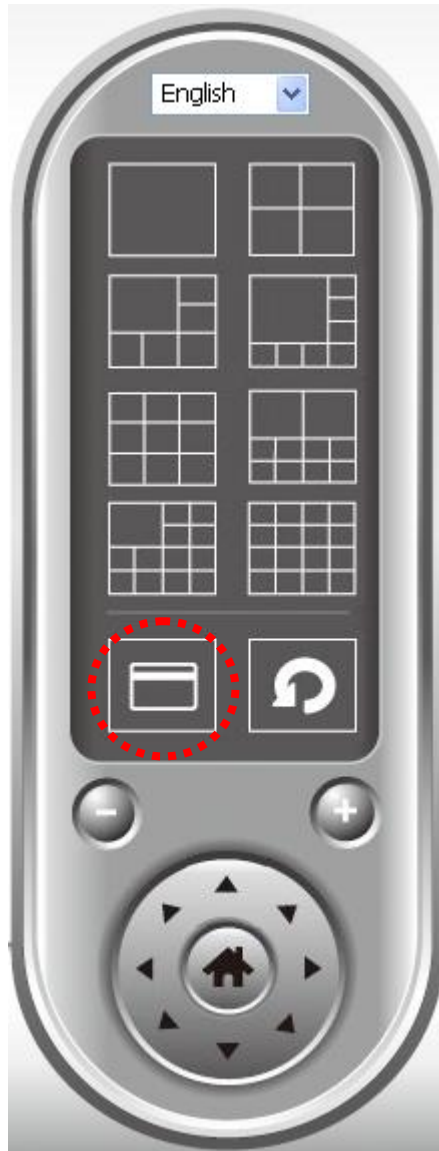


Displays the video of up to 16 cameras.



3-5 Full-screen mode

If you want to use all available spaces on your monitor to display surveillance image, you can click 'Full Screen' button to switch display mode to full-screen mode.





To exit full-screen mode, press 'ESC' key.

3-6 Scan

If you have more than one camera configured, and you wish to switch the displaying image between cameras, you can click 'Scan' button to switch between all configured cameras.

NOTE: If a camera is configured but disconnected, it will still be displayed in a scan sequence (you'll see nothing and you'll see 'Disconnected' text displayed at the upper-left corner of display image).





Click 'Scan' button once to activate scan function (scan icon will become blue ) , click again to stop scanning (scan icon will become white ).

3-7 Zoom-in / Zoom-out

For cameras that support zoom-in / zoom-out function, you can use this function to see more objects that fall in the scope of camera's view, or enlarge the image size of a certain object to see its detail.



Please select a camera in video displaying area by clicking on its image, then click  button to see more objects that fall in the scope of camera's view, or click  to enlarge the image size of a certain object to see its detail (Before zoom-in, you may need to use PTZ buttons - described in next section) to find an object you wish to see its detail).

3-8 PTZ

For cameras that support pan - tilt function (but this model doesn't support PTZ function), you can change the position that camera points to, to see different places that fall in the scope of camera's view.



Please select a camera in video displaying area by clicking on its image, and then click the directions you wish the camera to move to (total 8 directions available). Click 'Home' button (🏠) to return to camera's home (default) position.

3-9 Snapshot

You can take a snapshot of selected camera and save it to 'Snapshot' sub-folder of pre-defined data directory.



Click snapshot button once to take a snapshot; you can take as much snapshot as you want before hard disk is full.

3-10 Recording

You can start video recording of selected camera manually by clicking 'Start Recording' button:



When recording starts, you'll see a message displayed in message displaying box like '1/1 10:00:00, Camera 2 Start Manual', which means camera 1 starts recording manually on 1/1 at 10:00:00.

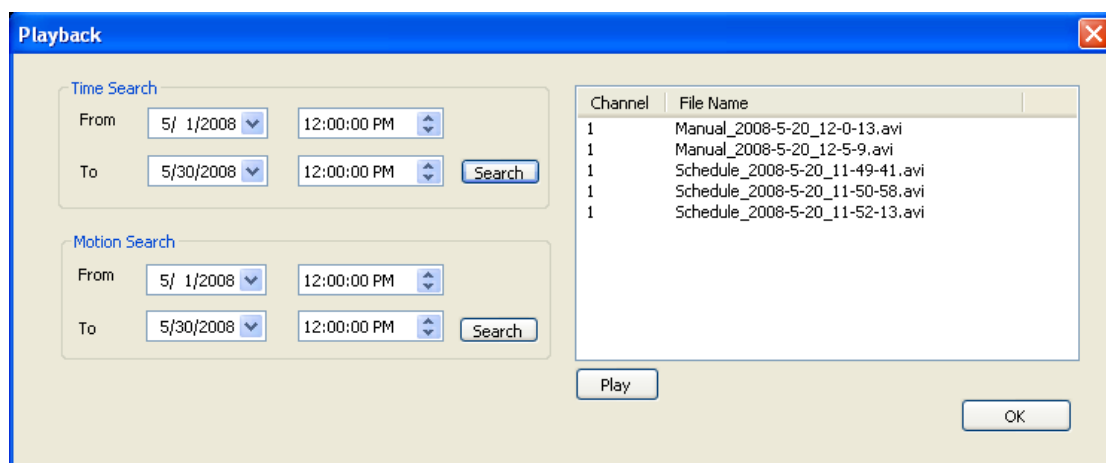
To stop recording, click 'Start Recording' button again, and you'll see a message displayed in message displaying box like '1/1 10:00:00, Camera 2 Stop Manual'.

3-11 Video Playback

You can playback all recorded video by clicking this button.



A new window will appear:



You have to search the video file before you can play it. There are two kinds of video search: Time Search (search all videos file that falls in a specific period of time) and Motion Search (search all videos recorded by motion detection function and falls in a specific period of time).

Please define the start and end date / time of the time period you wish to search, and then click 'Search' button (of 'Time Search' or 'Motion' Search'). All found videos will be displayed, select the video you wish to play and click 'Play' button to playback.

Chapter V: How to View IP Camera over the Internet with iPhone

IC-3005 series features iPhone support for iPhone users to monitor their home using Edimax IP-Cameras.

Please check following instruction for installation. The following instruction applies to all Edimax routers

Step1:

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 iPhone by using this unique IP address. Therefore, an unique IP address is a Public and fixed IP address. With this, it's much easy for iPhone monitoring your home. For example, an IP address looks like numbers separated with a dot as: 192.168.2.3

(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 hypothetical IP address, 61.61.61.1 (yours is different)

(2) Dynamic IP address

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

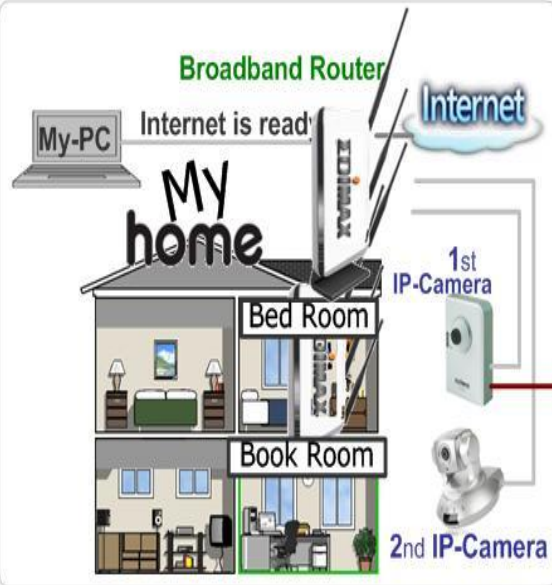
Your IP address for browsing Internet will change by hours or by days.

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:



Configuration for the 1st camera

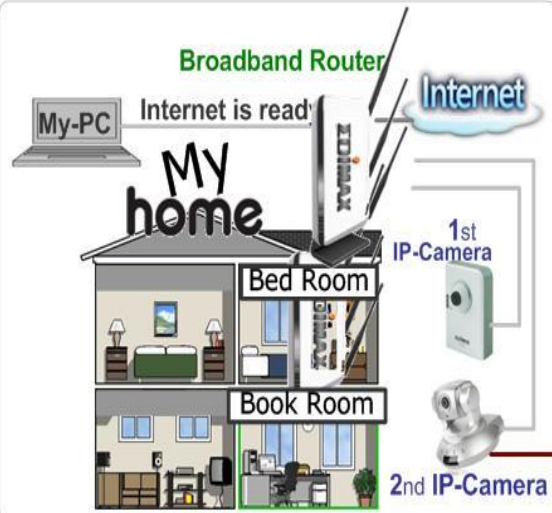
LAN
Audio/Video
E-mail & FTP
● ● ● ●

LAN
Click "LAN"

1
Apply

- Network Type ☐ DHCP ☒ Static IP Address
- IP Address 2 Change the IP to 192.168.2.10
- Subnet Mask
- Gateway This is the IP of Edimax router
- Primary DNS
- Second DNS
- AV Control Port 3
- Web port "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
● ● ● ●

LAN
Click "LAN"

1
Apply

- Network Type ☐ DHCP ☒ Static IP Address
- IP Address 2 Change the IP to 192.168.2.20
- Subnet Mask
- Gateway This is the IP of Edimax router
- Primary DNS
- Second DNS
- AV Control Port 3
- Web port "Web port" 82 is preserved for the 2nd camera

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"

Apply Cancel

Step 4:

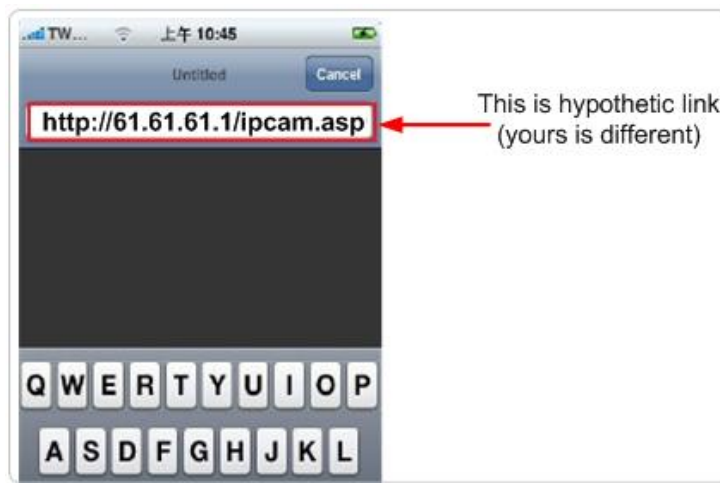
Configuration for iPhone.

(1) Make sure Internet connection is ok with iPhone and click “Safari”



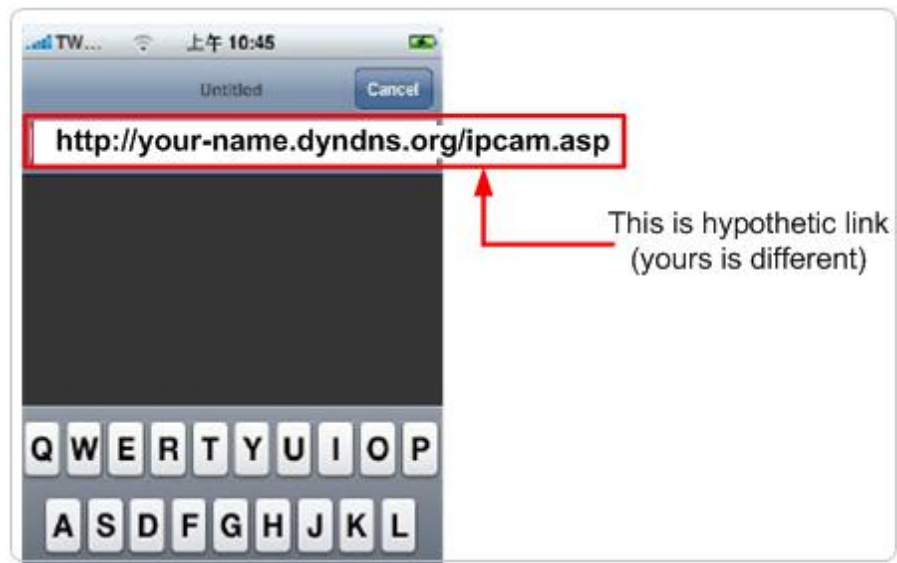
(2) Enter the IP address of your router’s “fixed and public IP address” (check the Step 2 for details)

Note: “/ipcam.asp” is needed



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



- (3) Enter user name & password for the Edimax IP camera. By default, user name is admin and password is 1234



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



(5) Click “Add” when finishing the following configuration:



(6) Click “Add” when finishing the following configuration for the 2nd IP camera



(7) Configuration is complete. You could see the live video of the 2nd IP camera.

Chapter V: Appendix

5.1 Troubleshooting

If the IP camera is not working properly, before you contact the dealer of purchase for help, please check the troubleshooting list here, this may help you to solve the problem by yourself and therefore saves your valuable time.

Scenario	Possible Solution
I can not connect to IP camera	<p>a. Please confirm the IP address setting of the computer you're using. If they're not in the same subnet, they will not be able to communicate with each other.</p> <p>b. Please make the IP address you used to connect to the IP camera is correct.</p> <p>c. If you forget the IP address of the IP camera, you will have to reset it to factory default value (which is 192.168.2.3) by pressing 'reset' button at the bottom of the IP camera. You'll need a pen or pin to be able to press the reset button. Press and hold reset button for 5 seconds, then try to connect to the IP camera with IP address '192.168.2.3' again.</p> <p>d. Please make sure IP camera is correctly powered (the 'Power' LED should be on).</p> <p>e. If you're trying to connect to the IP camera from Internet, please make sure the port that IP camera uses (Video and HTTP port, see section 2.3.1) is not blocked by firewall or other software / hardware.</p> <p>f. Contact dealer of purchase for help, if above solutions do not work.</p>
Image refreshes very slow	<p>a. Try a higher frame rate setting, if it's not 30.</p> <p>b. Try a lower resolution.</p>

	<p>c. If you're connecting this camera from Internet, it could be caused by a slow Internet connection, and it's not a problem caused by camera. However, when the network connection is slow, you should use lower frame rate / resolution.</p> <p>d. Adjust the antenna if you're using wireless connection. The antenna should be perpendicular to the ground to get best reception, and the distance between IP camera and computer / wireless access point should not be too far.</p> <p>e. Try to adjust 'MTU' setting if you're using PPPoE to connect to Internet. Ask your ISP or network administrator for detailed instruction.</p>
IP camera is not responding	<p>a. Is the network cable or wireless connection disconnected? Please check it.</p> <p>b. Unplug the power adapter from wall socket and plug it in again after 10 seconds, then try to connect to the IP camera again.</p> <p>c. If IP camera is correctly powered ('Power' LED is on), but you still can not connect to the camera when you're sure that IP address is correct, please contact dealer of purchase for help).</p>
Image is fuzzy	<p>a. Use a soft cloth to clean the lens on the camera. You can use cloth with water, but <i>DO NOT</i> use alcohol or other chemical solution.</p> <p>b. Try to adjust brightness setting.</p> <p>c. If there's any light at the place where IP camera is located, switch it on and see if image looks better.</p>
I set the IP camera	<p>a. If the image is send by Email, please make sure it's</p>

<p>to send image by Email or FTP, but nothing is received</p>	<p>not blocked by any anti-spam mechanism.</p> <p>b. Please make sure you have enough permission for FTP uploading (You can try this by clicking 'Upload a test file' button).</p> <p>c. Make sure the user name and / or password of SMTP server is correct, if your SMTP server requires authentication (You can try this by click 'Send a test Email' button).</p> <p>d. Please check log, if FTP upload or Email sending is failed, it will be logged, and this may give you some clue on how to solve the problem.</p> <p>e. Change the threshold to a more sensitive setting.</p>
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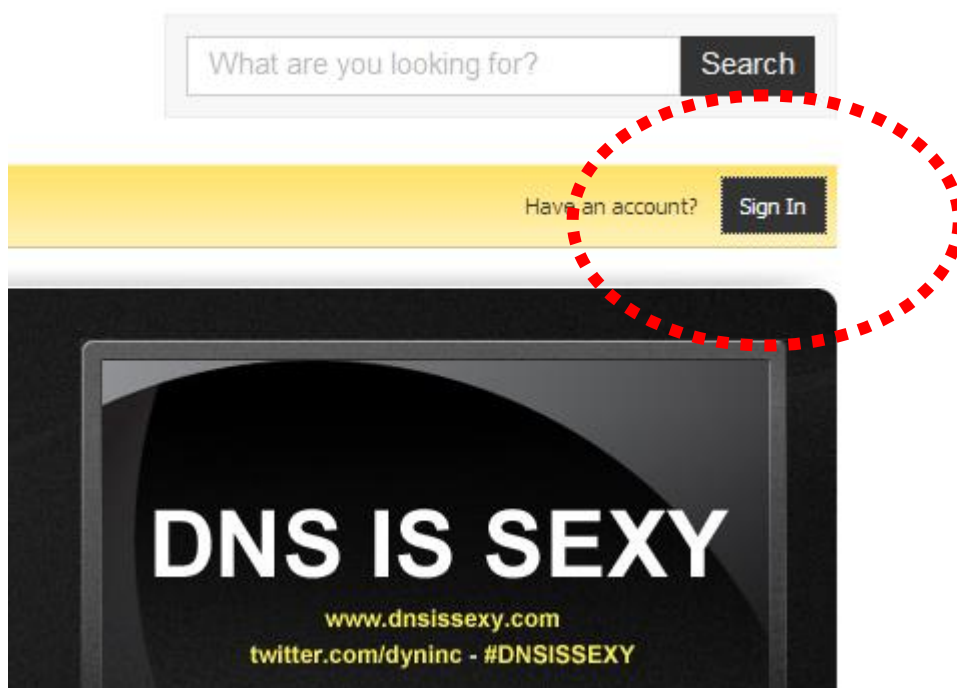
5.2 Obtain a free Dyndns account

If your ISP is issuing dynamic (non-static) IP address to you and you can't connect to your IP camera when you're away from it, you can follow the following steps to obtain a free Dyndns account, which will provide you free IP address to host name mapping service:

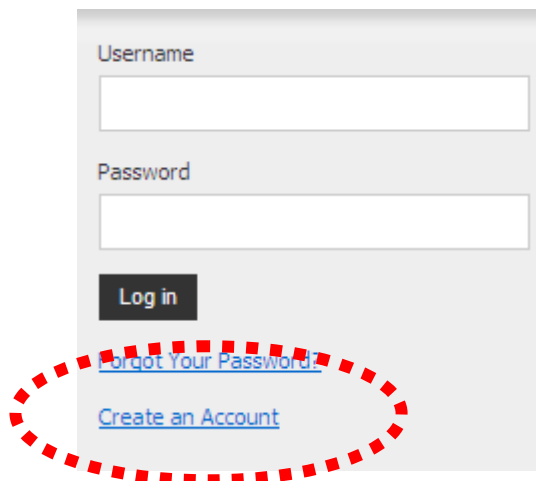
1. Launch your web browser and navigate to <http://www.dyndns.org>



2. Click 'Sign In' button (located at upper-right corner of dyndns.org's webpage)



3. Click 'Create an Account' in pop-up menu.



A login form with fields for Username and Password, a Log in button, and links for 'Forgot Your Password?' and 'Create an Account'. The 'Create an Account' link is circled in red.

Username

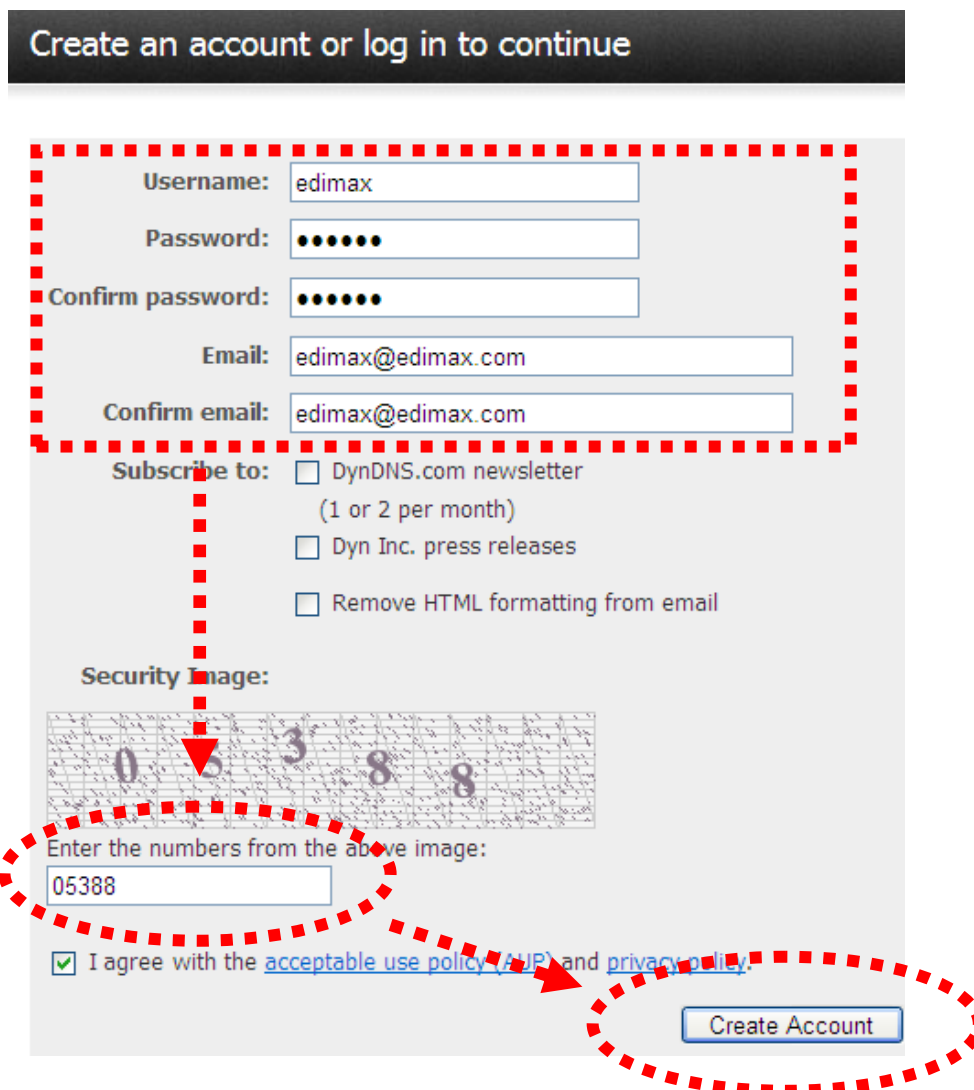
Password

Log in

[Forgot Your Password?](#)

[Create an Account](#)

4. Fill all fields appear in this menu, and click 'Create Account' button to create a new account. You'll be prompted if the account you selected is not available.



A 'Create an account or log in to continue' header above a registration form. The form fields are: Username (edimax), Password (masked), Confirm password (masked), Email (edimax@edimax.com), and Confirm email (edimax@edimax.com). Below these are checkboxes for 'Subscribe to:' (DynDNS.com newsletter, Dyn Inc. press releases, Remove HTML formatting from email). A 'Security Image' section shows a grid of numbers with a red arrow pointing to the input field below it, which contains '05388'. At the bottom, there is a checked checkbox for 'I agree with the acceptable use policy (AUP) and privacy policy.' and a 'Create Account' button. A red dashed box encloses the Username, Password, Confirm password, Email, Confirm email, and Security Image sections. A red dashed arrow points from the 'Create Account' button back to the 'Create an Account' link in the first image.

Create an account or log in to continue

Username:

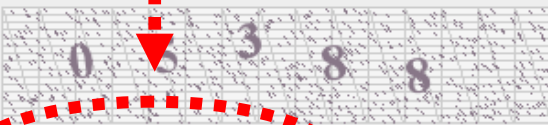
Password:

Confirm password:

Email:

Confirm email:

Subscribe to: ☐ DynDNS.com newsletter (1 or 2 per month)
☐ Dyn Inc. press releases
☐ Remove HTML formatting from email

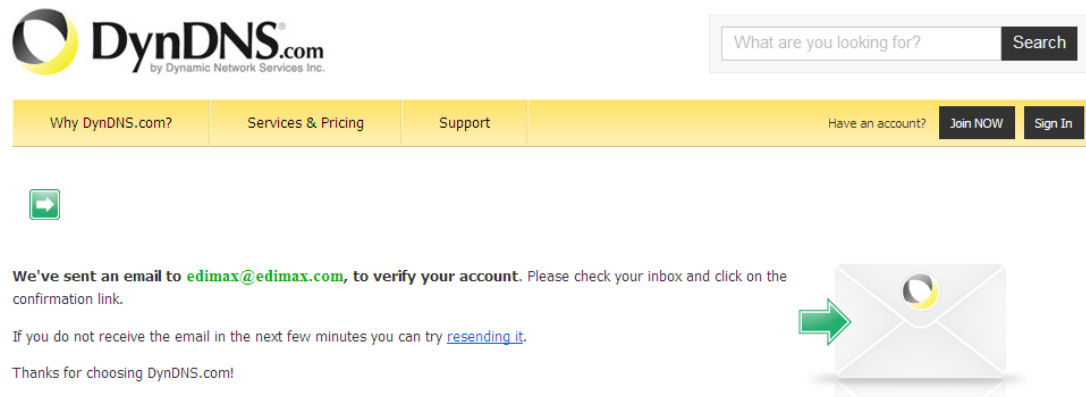
Security Image:


Enter the numbers from the above image:

☒ I agree with the [acceptable use policy \(AUP\)](#) and [privacy policy](#).

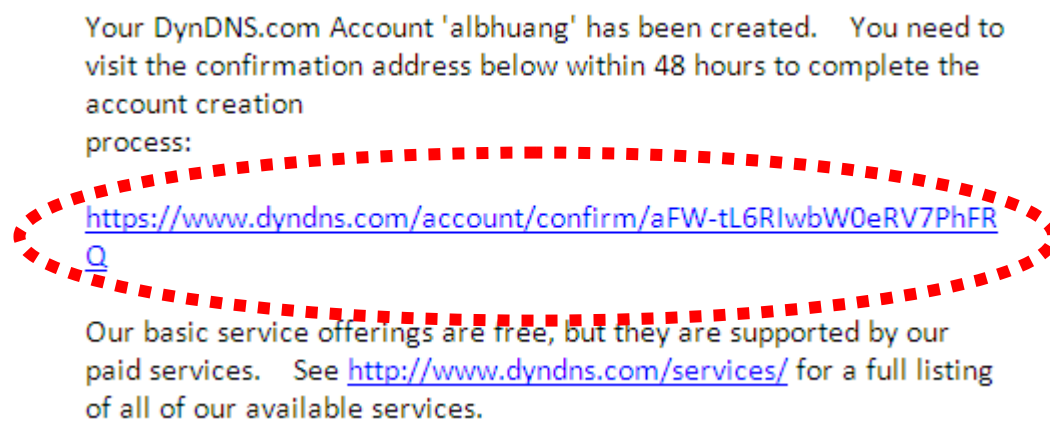
Create Account

5. When you see this image, you'll receive an e-mail confirmation at the e-mail box you registered with dyndns.org.

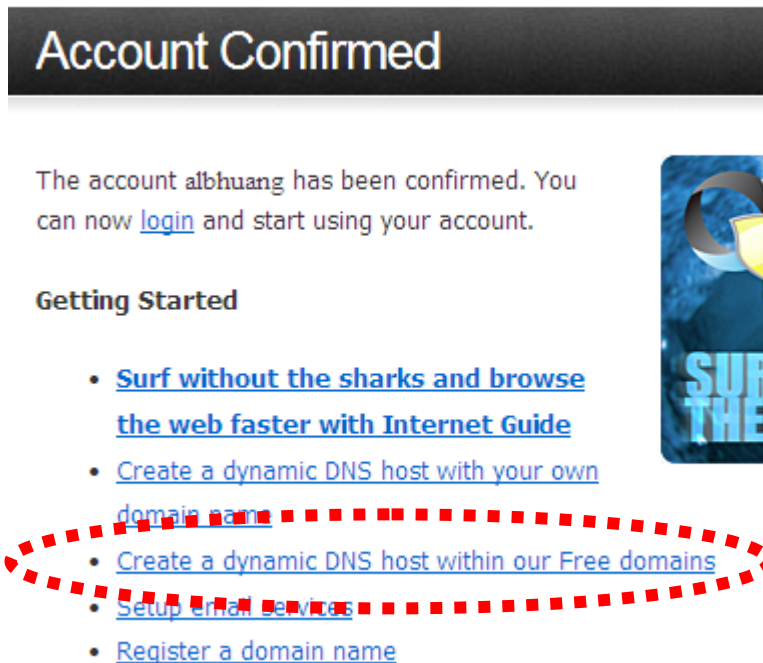


6. Check your e-mail box and you should be able to get confirmation e-mail. Click the link to connect to dyndns.org website and complete registration procedure. If you didn't get the mail, please re-check the e-mail address, or click 'resending it' link in last step.

Also, if nothing happen after you click the link, please copy the link text and paste it in web browser's address bar.



7. When you see 'Account Confirmed' webpage, indicates your dyndns.org account has been confirmed and activated. Now you can click 'Create a dynamic DNS host within our Free domains' link to continue.



8. Click 'Create Hostname' button.



9. In this page:

Input the hostname of your choice in 'Hostname' field,
Select a domain name in dropdown menu,
Select 'Host with IP address' for 'Service Type',
Input current IP address in 'IP Address' field (or click the link below to use detected IP address to fill this field'.

10. Click 'Add to cart' continue.

Add To Cart

11. Click 'Next' to continue.

Your cart contains **free services only**. You will not be asked for credit card information.

Upgrade Options
Free accounts allow only five Dynamic DNS hosts.

- To add more and enjoy [additional benefits](#) for only \$15.00 per year, [purchase Dynamic DNS Pro](#).
- To get Dynamic DNS for **your own domain**, use [Custom DNS](#).

Dynamic DNS Hosts

edimax.ath.cx	-	remove	\$0.00
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Please enter coupons in the box below and click "Add Coupon".

Add Coupon

Sub-Total: \$0.00

Order Total: \$0.00

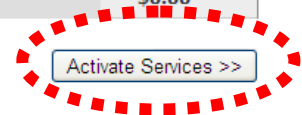
Would you like to [print an estimate/quote?](#)



12. Click 'Activate Services' to continue.

Once you have confirmed the contents of your cart your services will be instantly activated.

Service	Period	Price
Dynamic DNS Hosts		
edimax1.ath.cx	-	\$0.00
Sub-Total:		\$0.00



13. When you see this message, indicates your free dyndns.org hostname mapping service has been activated. You can go to chapter 2-2-3 to use your dyndns.org username, password, and hostname + domain name to locate your IP camera on Internet even you're using dynamic IP address!

[edimax.ath.cx](#) successfully activated.

Hostname	Service	Details	Last Updated
edimax.ath.cx	Host	219.70.117.176	May. 04, 2010 10:30 AM

[» Host Update Logs](#)

[» Bulk Update IP Address And Service Type](#)

[Add New Host](#)

5.3 Use this IPCAM with a router or firewall

If this IPCAM is not directly connected to Internet (behind router or firewall), you'll need to setup your router / firewall so you can access this IPCAM from other computers on Internet.

The following instruction describes how to configure your router or firewall device so your IPCAM can work with them. These instructions are based on a commonly-available residential router and these setup techniques should be easy to apply on any other similar devices as well.

5.3.1 Setup DynDNS Dynamic IP address Mapping

1. Go to your router's setup page, and locate 'DDNS', 'Dynamic DNS', or similar setup item.

Wireless Router | Home | General Setup | Status | Tools

- System
- **WAN**
 - ▶ Dynamic IP
 - ▶ Static IP
 - ▶ PPPoE
 - ▶ PPTP
 - ▶ L2TP
 - ▶ Telstra Big Pond
 - ▶ DNS
 - ▶ **DDNS**
- LAN
- Wireless
- QoS
- NAT
- Firewall

DDNS

DDNS (DynamicDNS) allows users to map the static domain name to a dynamic IP address. You must get a account, password and your static domain name from the DDNS service providers. Our products have DDNS support for www.dyndns.org and www.tzo.com now.

Dynamic DNS :	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Provider :	<input type="text" value="DynDNS"/>
Domain Name :	<input type="text"/>
Account :	<input type="text"/>
Password / Key :	<input type="text"/>

2. Refer to last chapter and obtain a DynDNS account, password, and domain name.

3. Enable Dynamic DNS function, select 'DynDNS' as service provider, and fill the information you obtained from DynDNS.org into Domain name, Account, and Password field (these field's name may different on your router).

Dynamic DNS :	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Provider :	DynDNS
Domain Name :	my-IPCAM.dynalias.com
Account :	myipcam
Password / Key :	*****

5.3.2 Open Ports Required by IP CAM

To access IP CAM located behind router or firewall, you must open ports on router or firewall so you can access IP CAM from Internet.

1. Go to your router's setup page, and locate 'NAT', 'Firewall', 'Port Mapping', 'Port Forwarding', or similar setup item.

- System
- WAN
- LAN
- Wireless
- QoS
- NAT**
 - Port Forwarding
 - Virtual Server
 - Special Applications
 - UPnP Settings
 - ALG Settings
- Firewall

Port Forwarding

Entries in this table allow you to automatically redirect common network services to a specific machine behind the NAT firewall. These settings are only necessary if you wish to host some sort of server like a web server or mail server on the private local network behind your Gateway's NAT firewall.

☐ Enable Port Forwarding

Private IP	Computer Name	Type	Port Range	Comment
<input type="text"/>	<< Select >>	Both	<input type="text"/>	<input type="text"/>

Add Reset

Current Port Forwarding Table

NO.	Computer Name	Private IP	Type	Port Range	Comment	Select
Delete Delete All Reset						

2. Enable this function, and fill IP CAM's IP address in 'Private IP' (or similar field), select 'TCP' or 'BOTH' as data type, and input these port numbers for the services you wish to access from Internet:

IP CAM web configuration and view live image: 80

AV Control Port: 4321

RTSP: 554 and 50000 to 60000

Please note that if you changed the port number of web configuration / view or RTSP, you have to change the port forwarding setting for your router accordingly.

3. If IP CAM is the only one service you wish to access from Internet, you can also use 'DMZ' function to access IP CAM:

DMZ

If you have a local client PC that cannot run an Internet application properly from behind the NAT firewall, then you can open the client up to unrestricted two-way Internet access by defining a Virtual DMZ Host.

☐ Enable DMZ

Public IP	Client PC IP Address	Computer Name
<input checked="" type="radio"/> Dynamic IP Session 1		<< -----Select----- >>
<input type="radio"/> Static IP		

Add Reset

Simply fill the IP address of IP CAM and you can access IP CAM from the IP address of your router directly.



EDIMAX Technology Co., Ltd.
www.edimax.com