EDIMAX
NETWORKING PEOPLE TOGETHER

IC-3140W

User Manual

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I. Product Information

I-1. Package Contents

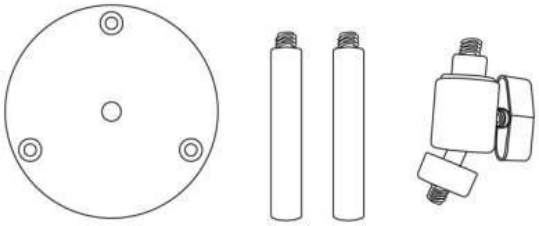
IC-3140W

QIG

CD-ROM

Power Adapter

Ethernet Cable

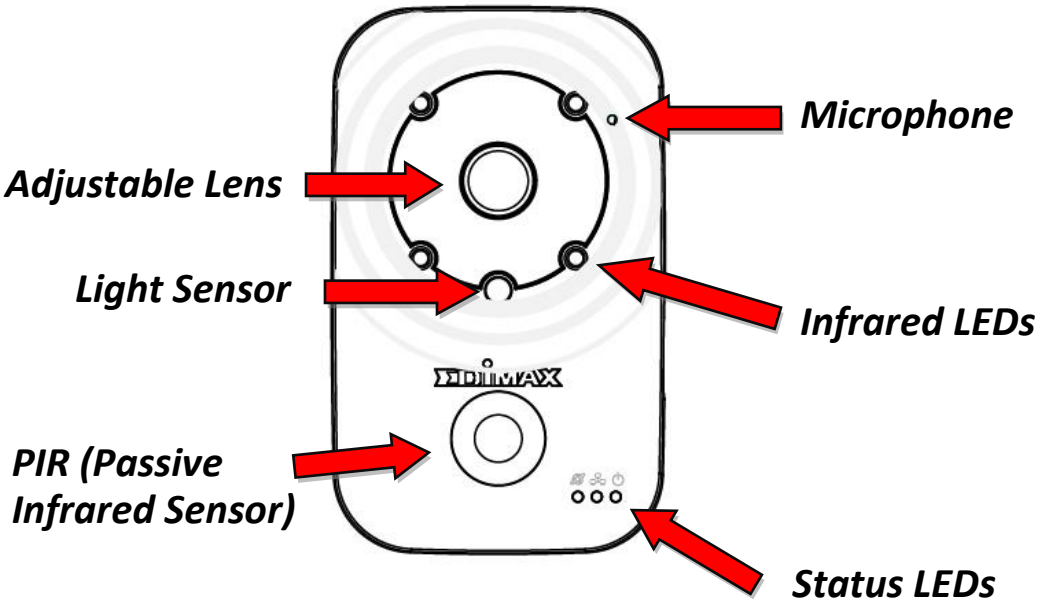


Mounting Kit

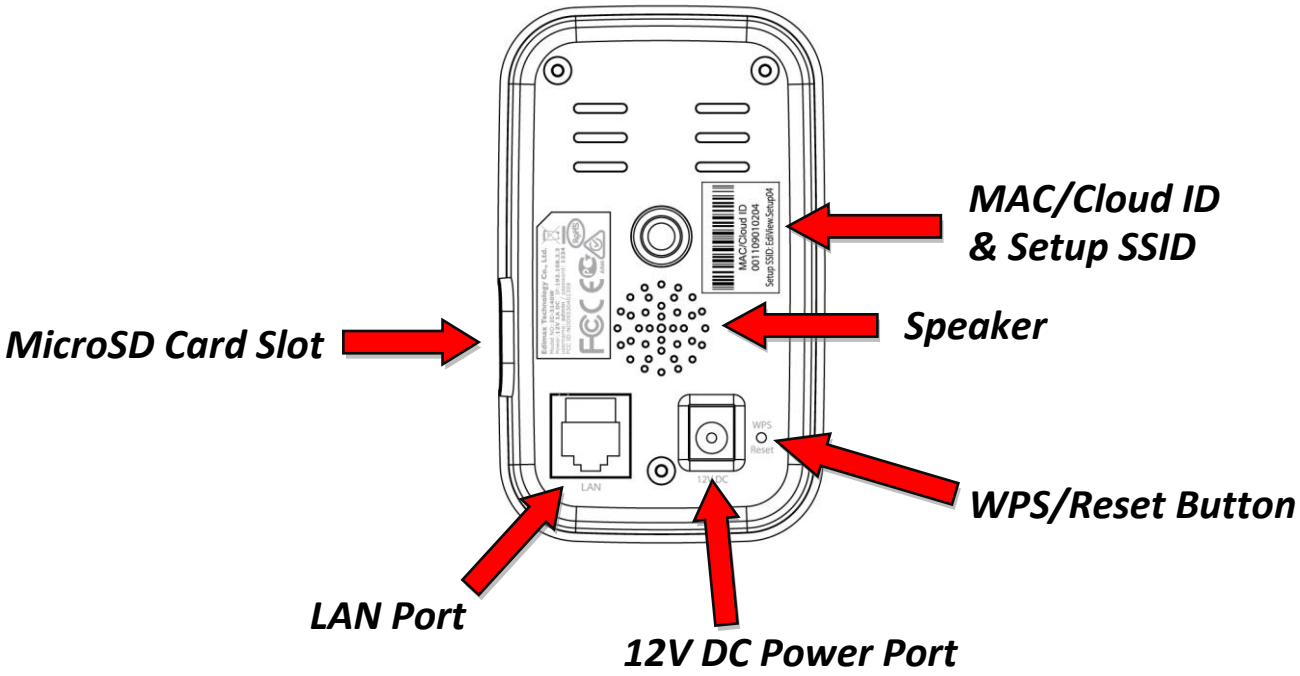
I-2. System Requirements

- Intel Pentium 4 2.4GHz (above or similar)
- VGA card (1024*768 or above)
- CD-ROM Drive
- At least 128MB hard disk space (256 MB recommended)
- Windows 2000, XP, Vista, 7 or 8
- Web browser (Internet Explorer 7.0, Firefox 3.6, Chrome 10, Opera 11, Safari 5 or above)

I-3. Front Panel



I-4. Back Panel



I-5. LED Status

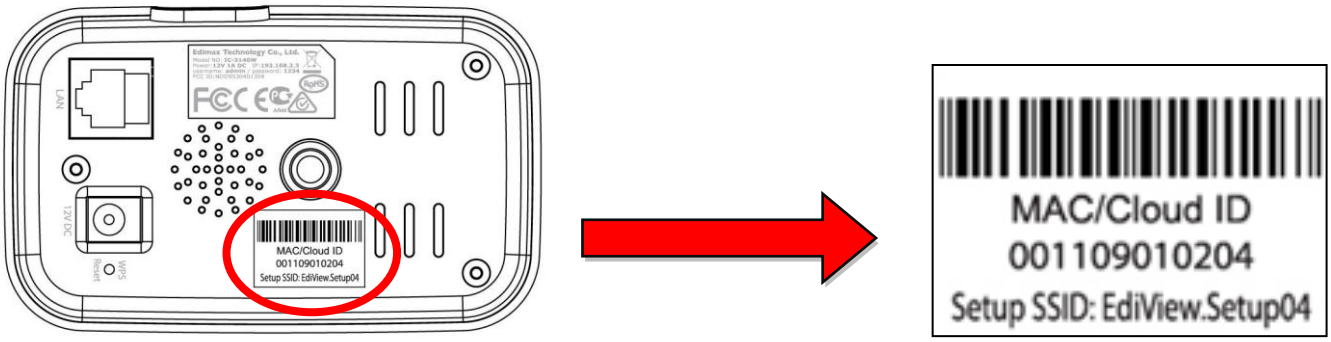
LED	LED Color	LED Status	Description
Power	**Green**	On	Network camera is on and connected to cloud server.
		Quick Flashing	Network camera is restarting.
		Slow Flashing (1 x per second)	Network camera is starting up **OR** network camera is not connected to cloud server.
LAN	**Green**	On	Network camera is connected to the local network.
		Quick Flashing	LAN activity (transferring data).
		Slow Flashing (1 x per second)	WPS is active.
Internet	**Orange**	On	Connected to Internet.
		Slow Flashing (1 x per second)	Not connected to Internet.

I-6. Product Label

The product label located on the back of the camera displays the MAC address, cloud ID and setup SSID of your network camera.

The MAC address and cloud ID are the same for easy reference.

The cloud ID allows you to view a live stream from your network camera remotely (from any Internet connection) as described later in **V Myedimax.com**.



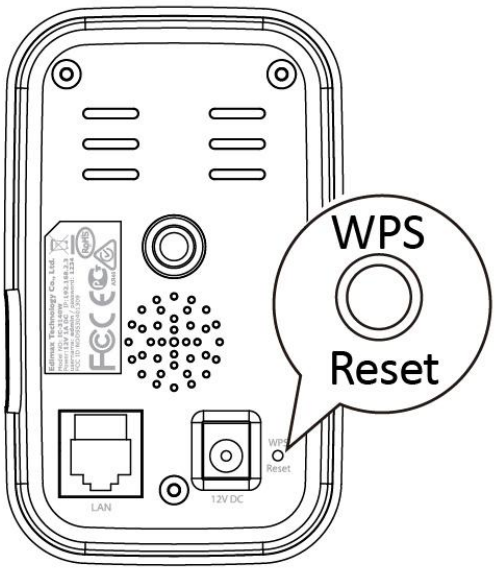
I-7. Reset

If you experience problems with your network camera, you can reset the camera back to its factory default settings. This resets **all** settings back to default.

1. Press and hold the WPS/Reset button found on the back panel for at least 10 seconds

2. Release the button when the **green** power LED is **flashing quickly.**

3. Wait for the network camera to restart. The camera is ready when the **green** power LED is **flashing slowly**.



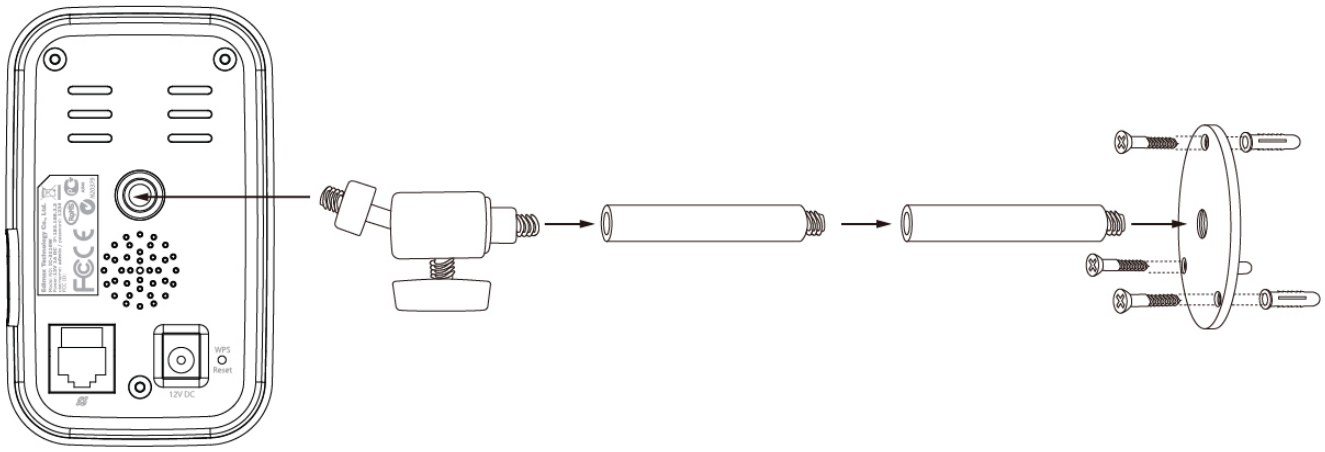
After setup, the green power LED will display on to indicate a successful connection to the cloud server.

II. Hardware Installation

II-1. Mounting Kit

A stand for your network camera is included in the package contents. The stand requires some assembly.

1. Assemble the included camera stand as shown below. The camera stand can stand by itself or be mounted to a wall:



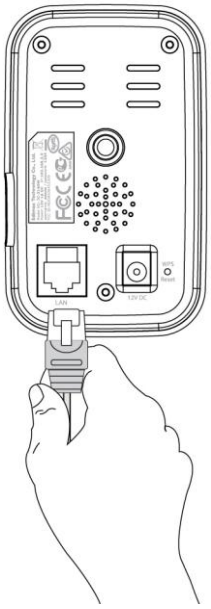
2. Secure the network camera to the included camera stand using the mounting hole on the rear of the camera.

You can also mount the network camera to a tripod using the mounting hole.

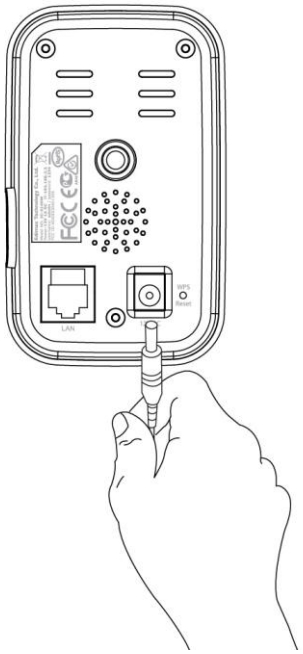
II-2. Camera

Follow the instructions below to ensure your camera is properly connected and ready for setup. You can setup your camera using Wi-Fi or using an Ethernet cable.

1. For Ethernet cable setup, use an Ethernet cable to connect the network camera's LAN port to a router/switch/access point's LAN port.



2. Connect the power adapter to the network camera's power port and to a power supply, as shown to the right.



3. Wait a moment for the camera to power on. The camera will make a sound and the **green** power LED will **flash slowly** when it's ready. Please refer to **III. Camera Setup** to setup your network camera.

III. Camera Setup

Your network camera can be up and running in just a few minutes. You need to connect your network camera to your network. There are several easy ways to do this:

A. With the free EdiView II app on Android or iPhone, using Wi-Fi or an Ethernet cable. Refer to **III-1. EdiView II App**.

B. Using a computer and EdiView Finder. Refer to **III-2. EdiView Finder.**

C. Using WPS (Wi-Fi Protected Setup), a simple method to connect your camera to your wireless network. Refer to **III-4. WPS.**

After connecting your camera to your network using one of the methods above, you can view your camera's live image or configure its settings:

Local network:

A. Using the web based management interface (see **IV. Web Based Management Interface**.).

B. Using the 16 channel viewer software (see **VI. 16 Channel Viewer Software**).

Remotely (from any Internet connection):

A. Using the camera's cloud ID (see **V. Myedimax.com**).

B. Using the EdiView II app.

III-1. EdiView II App

Use the free EdiView II smartphone app to set up your camera's Wi-Fi and monitor your camera remotely from any Internet connection.

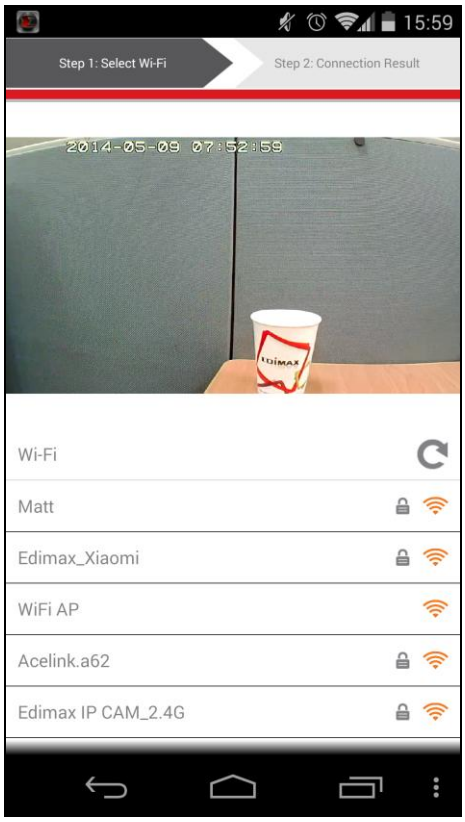
III-1-1. Android: Wi-Fi

1. Search Google Play for "EdiView II" and then download and install the EdiView II app.

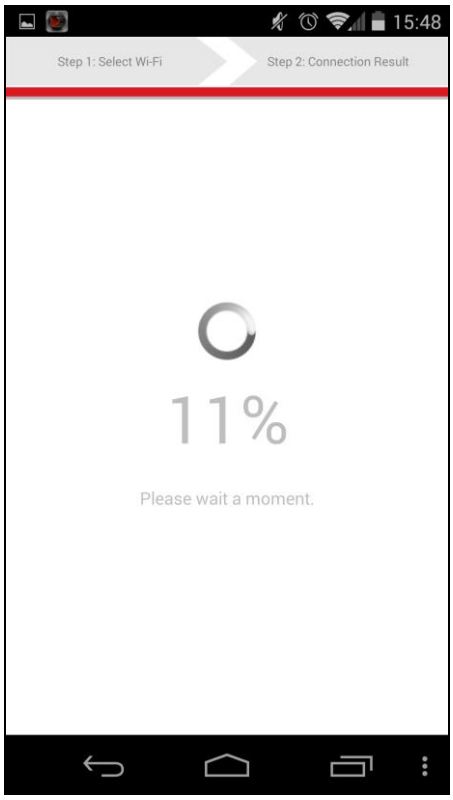
2. Ensure your Android device's Wi-Fi is switched on, and open the EdiView II app. Select your network camera as shown below, then click "OK" to continue. Wait a moment while EdiView II connects to your network camera.

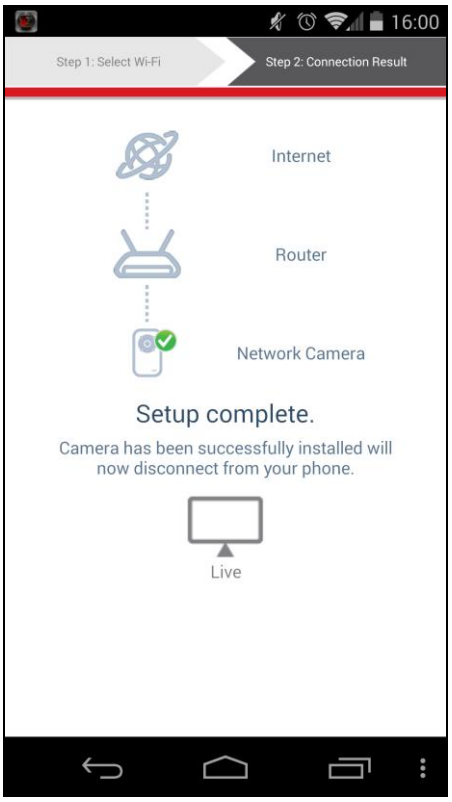
Select your network camera's SSID. The unique SSID is displayed on the product label on the back of the camera and consits of "EdiView.Setup**" where ** are the last two characters of your camera's unique MAC address.

3. Select your Wi-Fi network from the list and then enter your Wi-Fi password, before clicking “OK”.



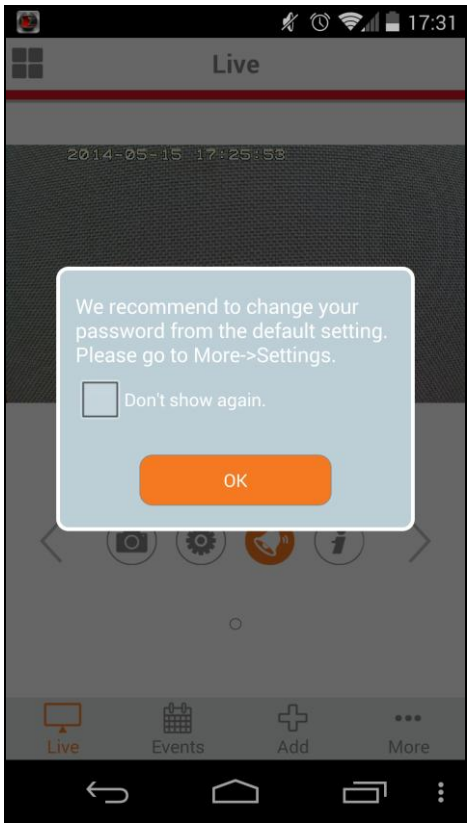
4. Please wait a moment while your camera connects to your Wi-Fi. When you see the “Setup complete” screen, click the “Live” icon to continue or wait for a few seconds to continue automatically.

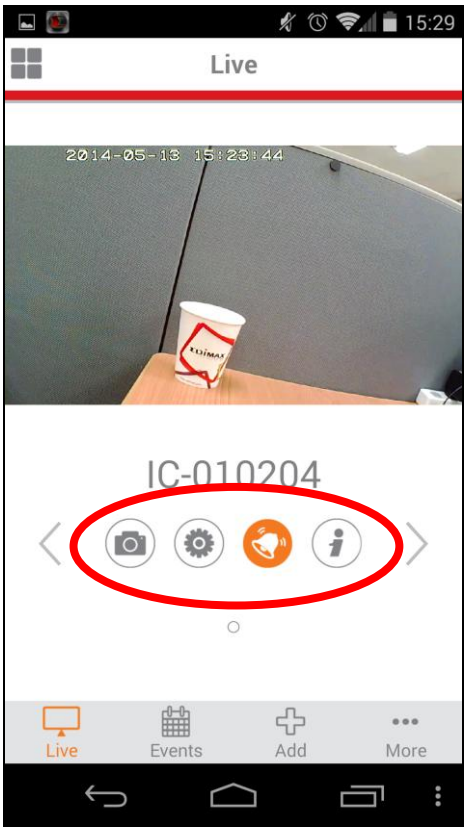




5. Setup is complete. The camera's **green** power LED should display **on**. You should see a live stream from your network camera which you can view anytime you are connected to the Internet.

It is recommended that you change your camera's password. Go to "More" in the bottom right corner and select "Settings".





You can configure your camera's settings and functions using the icons below the live image.

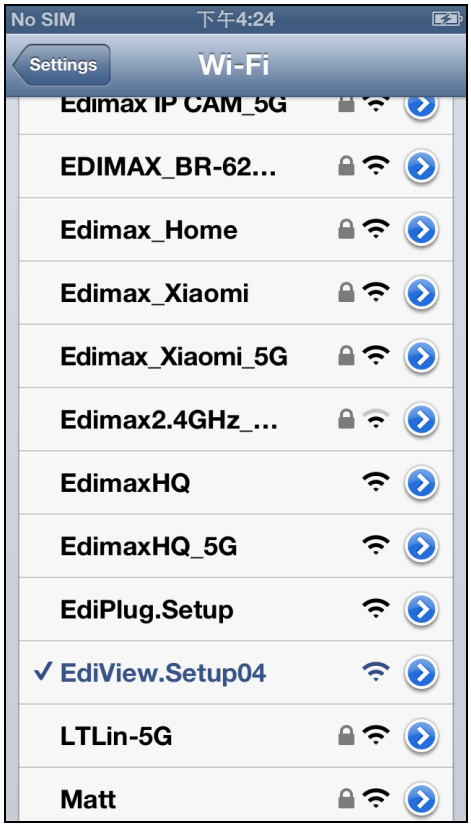
III-1-2. iPhone: Wi-Fi

Use the free EdiView II smartphone app to set up your camera' Wi-Fi and monitor your camera remotely from any Internet connection.

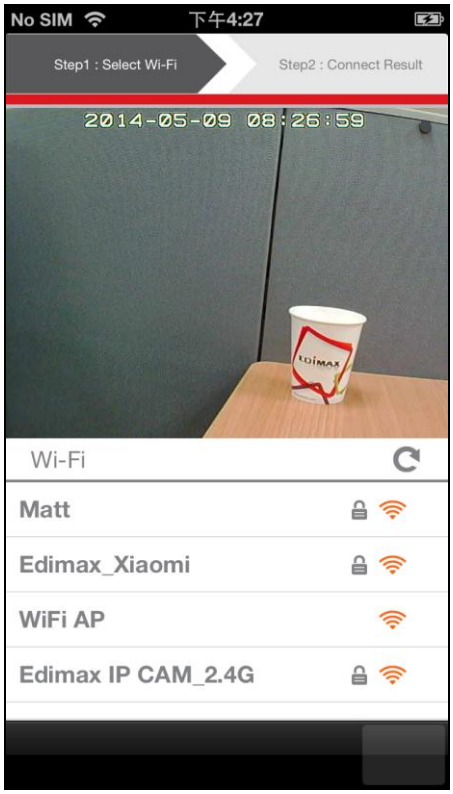
1. Search the Apple App Store for "EdiView II", and then download and install the EdiView II app.

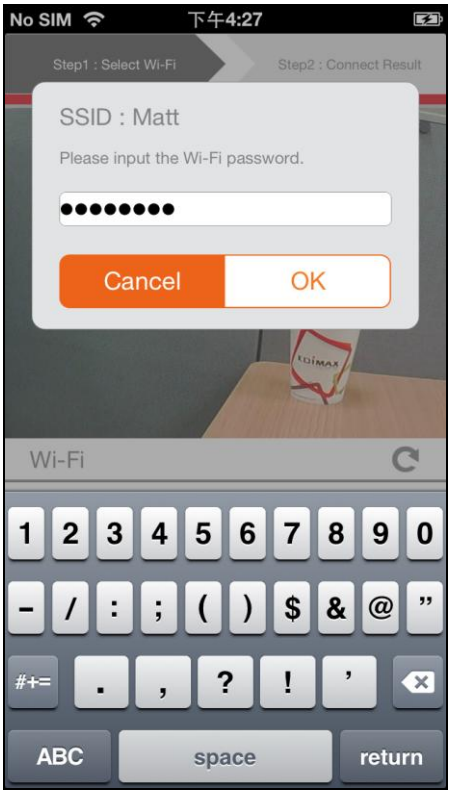
2. Go to your iPhone's Wi-Fi settings and connect to your network camera's SSID.

Your network camera's unique SSID is displayed on the product label on the back of the camera and consits of "EdiView.Setup**" where ** are the last two characters of your camera's unique MAC address.

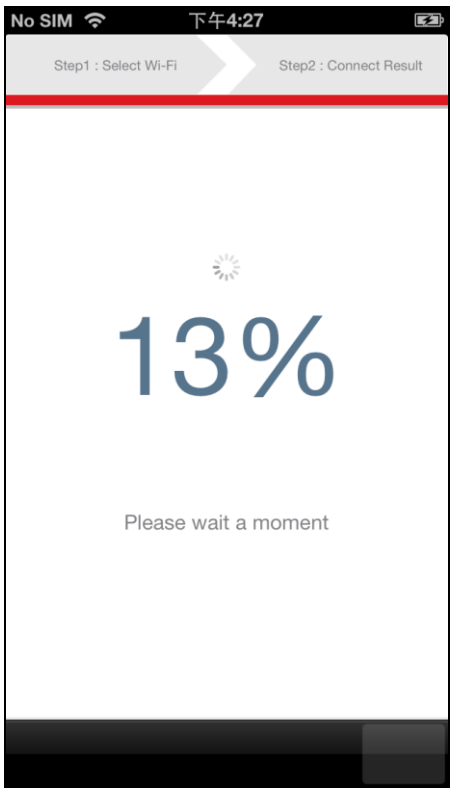


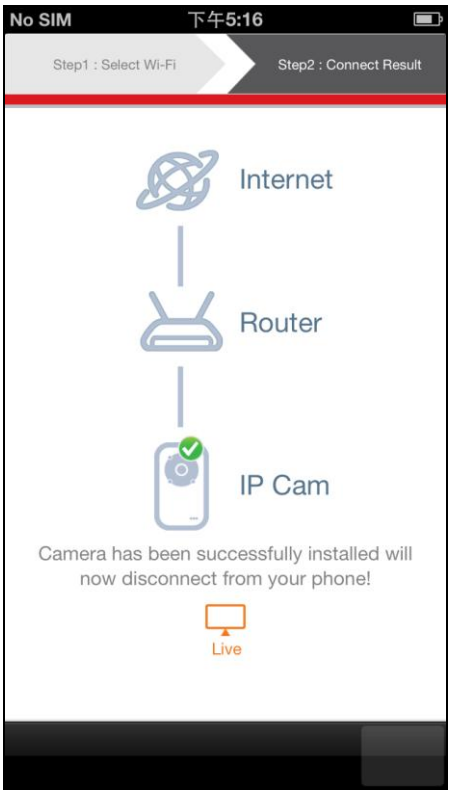
3. Open the EdiView II app and select your Wi-Fi network from the list. Enter your Wi-Fi password, before clicking “OK”.





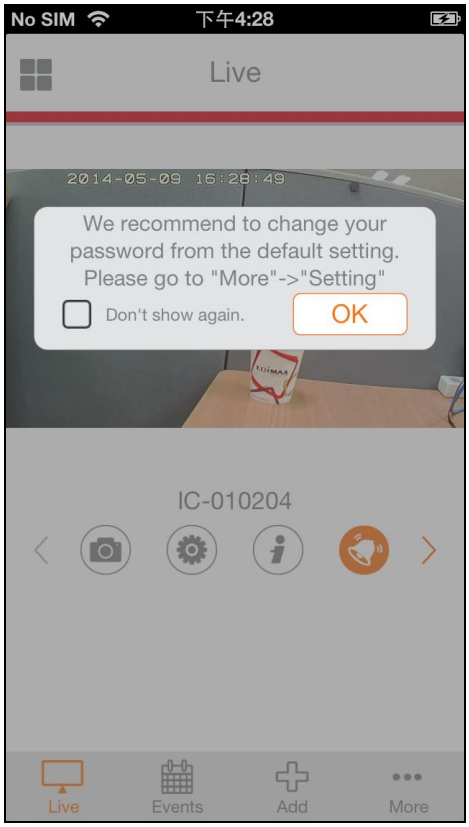
6. Please wait a moment while your camera connects to your Wi-Fi. When you see the “Setup complete” screen, click the “Live” icon to continue or wait a few moments to continue automatically.

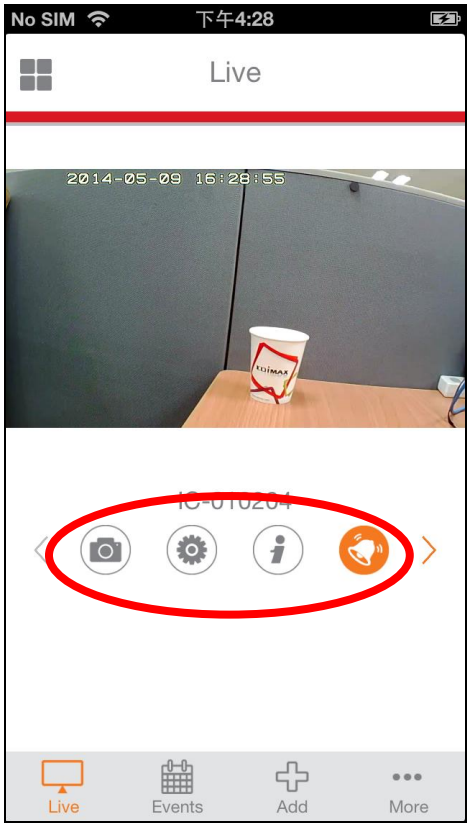




7. Setup is complete. The camera's **green** power LED should display **on**.You should see a live stream from your network camera which you can view anytime you are connected to the Internet.

It is recommended that you change your camera's password. Go to "More" in the bottom right corner and select "Settings".





You can configure your camera's settings and functions using the icons below the live image.

III-1-3. Android: Ethernet Cable

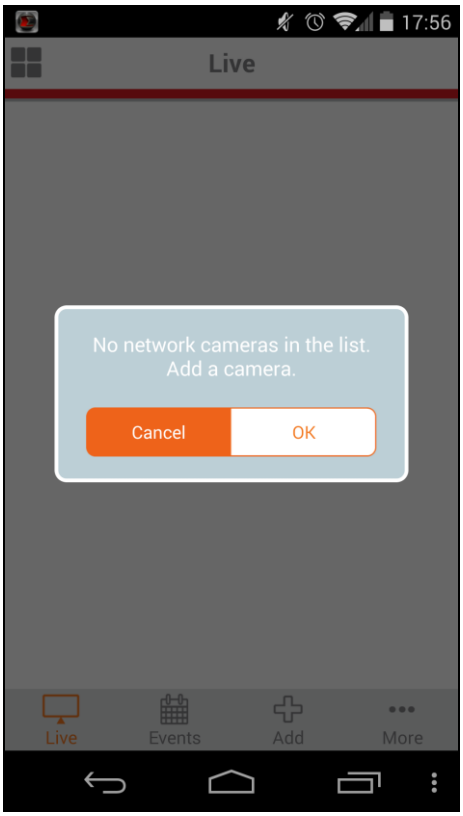
Your Android device must be connected to the same router as your network camera.

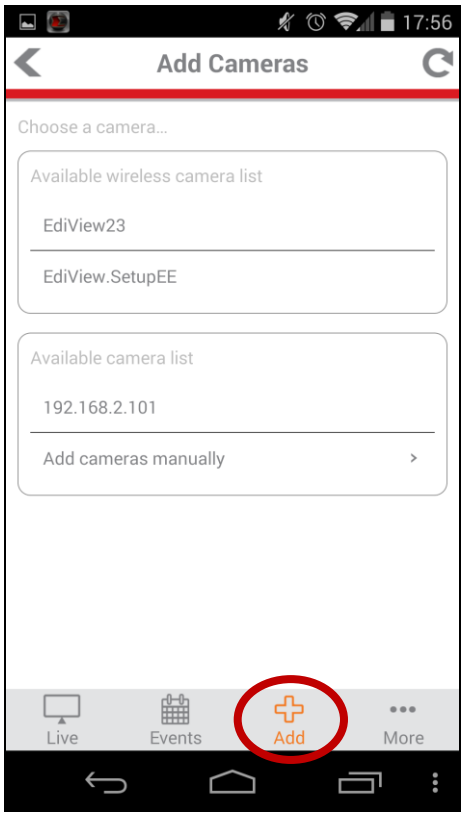
1. Ensure your network camera is connected to your router using an Ethernet cable.

2. Search Google Play on your Android device for “EdiView II” and then download and install the EdiView II app.

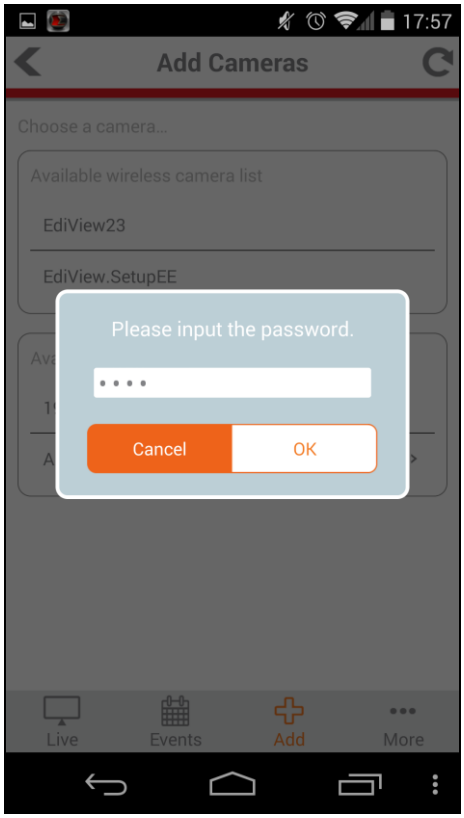
3. Open the EdiView II app and click “OK”, and then select your network camera from the “Available camera list” in the “Add” screen.

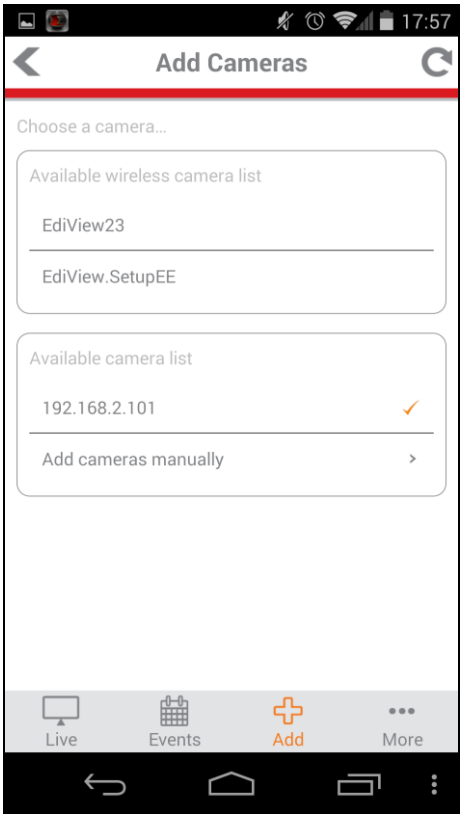
Network camera’s are listed by their IP address.



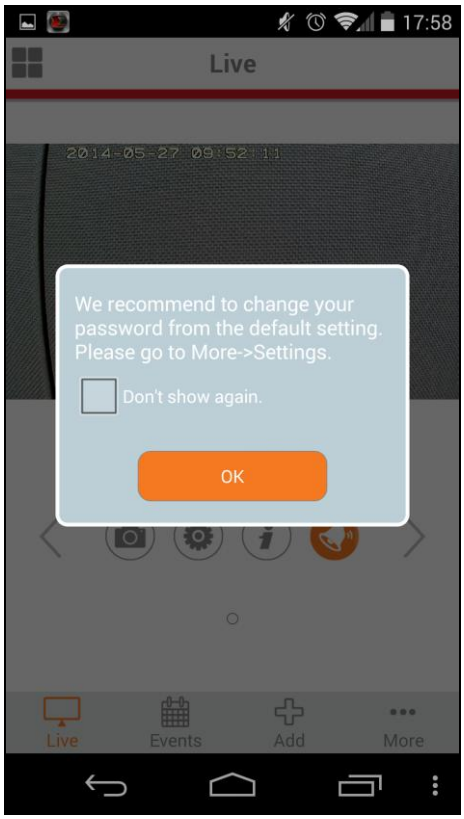


4. Enter your network camera’s password and click “OK”.





5. Click “Live” to go to a live view of your network camera.



III-1-4. iPhone: Ethernet Cable

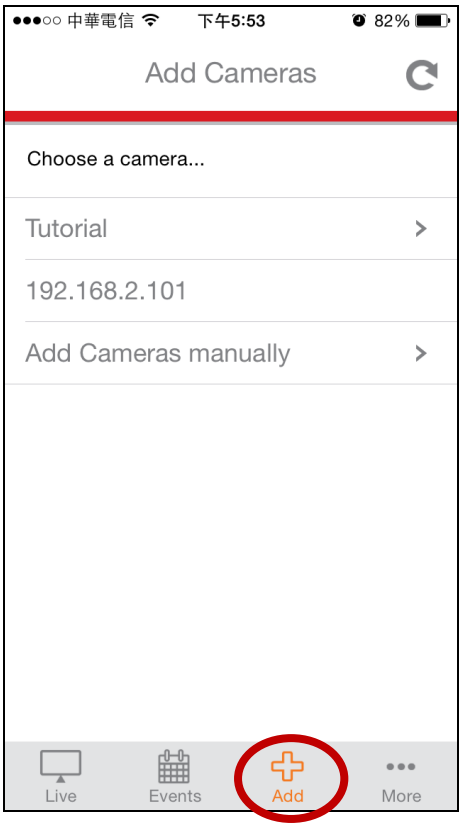
Your iPhone must be connected to the same router as your network camera.

1. Ensure your network camera is connected to your router using an Ethernet cable.

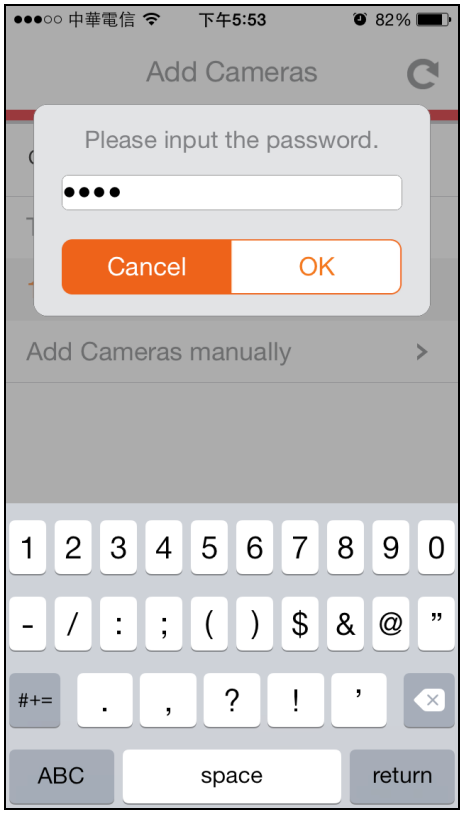
2. Search the Apple App Store for “EdiView II”, and then download and install the EdiView II app.

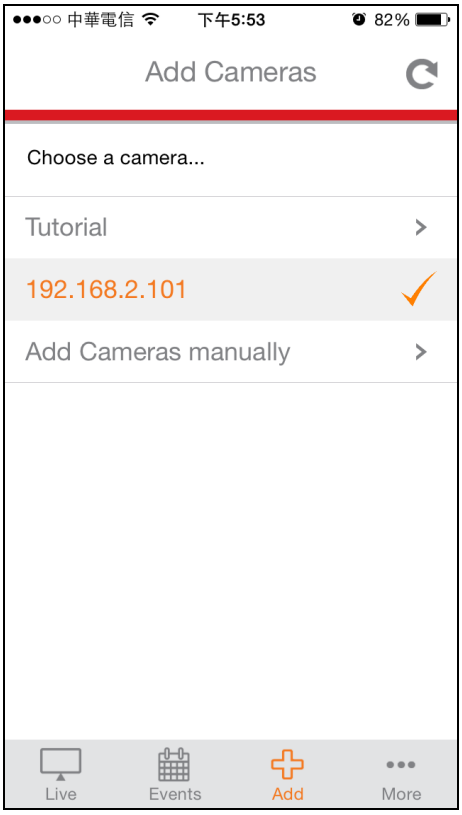
3. Open the EdiView II app and then select your network camera from the “Choose a camera” list in the “Add” screen.

Network camera’s are listed by their IP address.

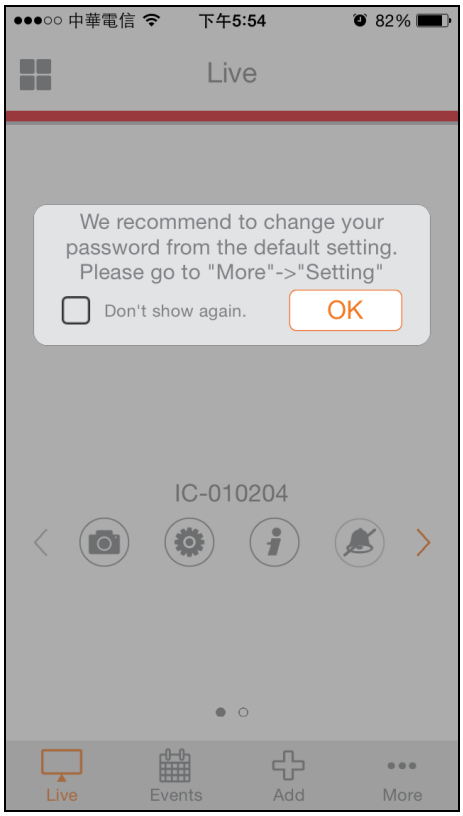


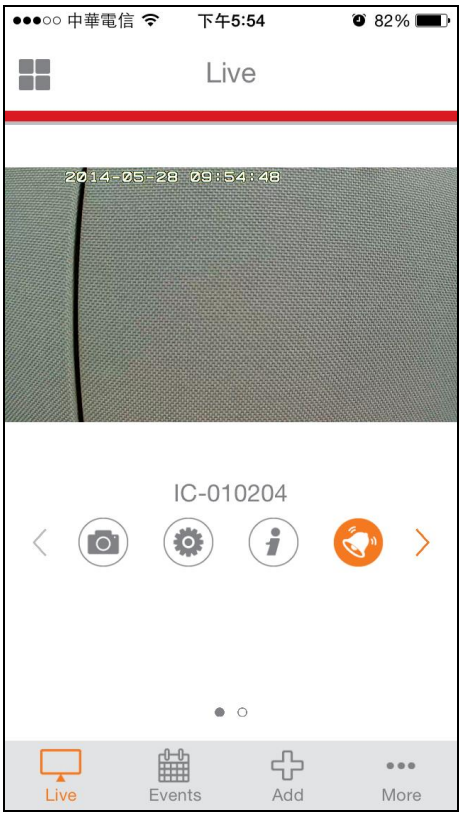
4. Enter your network camera's password and click "OK".





5. Click "Live" to go to a live view of your network camera.





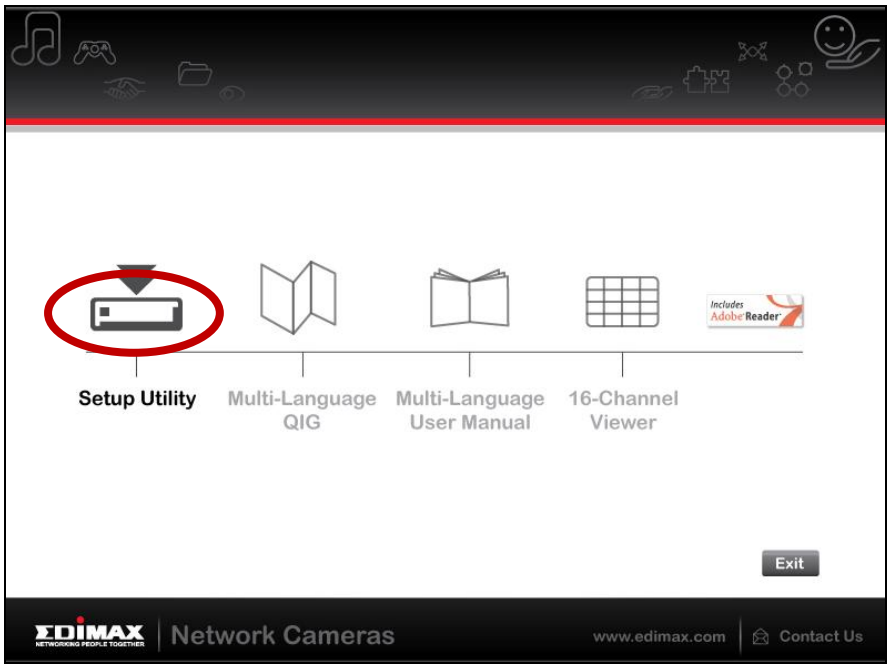
III-2. EdiView Finder

Ensure your computer is connected to the same router as the network camera using an Ethernet cable.

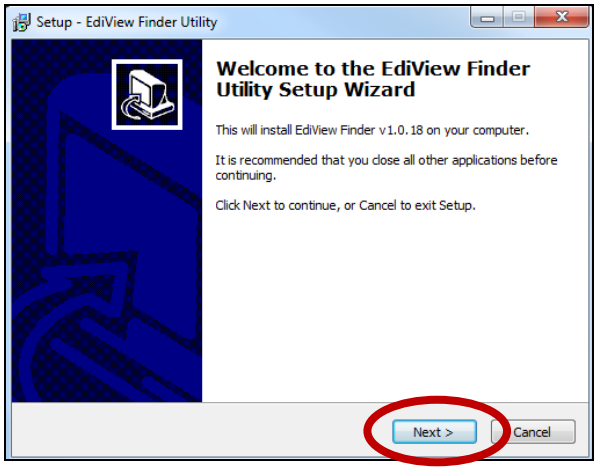
III-2-1. Windows

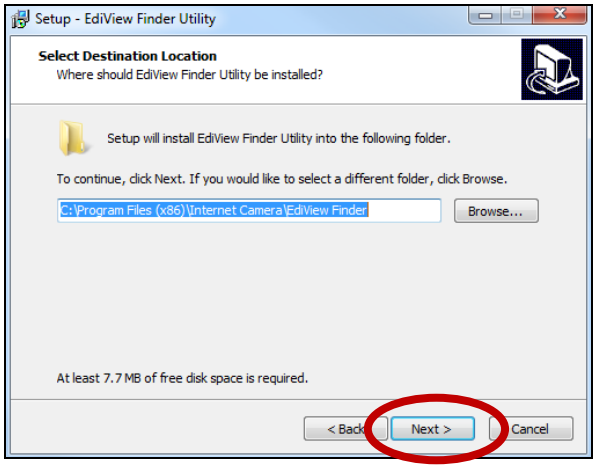
1. Insert the included CD into your CD-ROM drive and if the setup utility does not automatically open, please locate and open the “Autorun.exe” file in the “Autorun” folder.

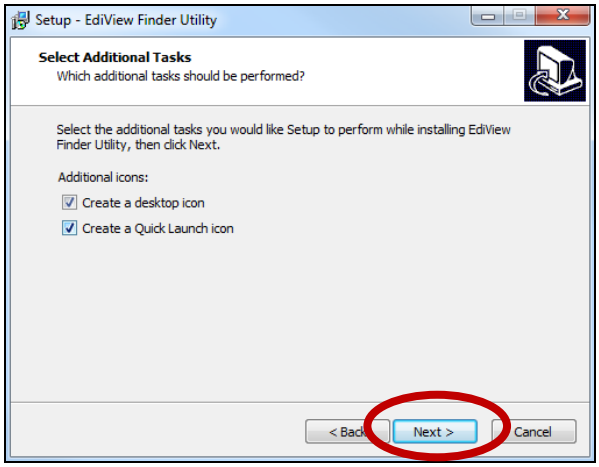
2. Click “Setup Utility” to install the EdiView Finder software utility.

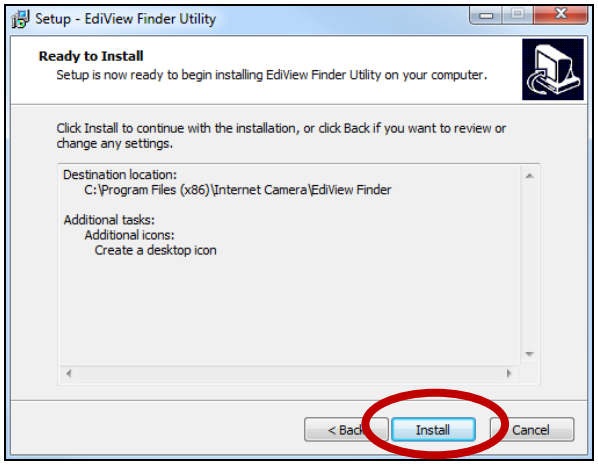


3. Click “Next” and follow the on-screen instructions to install the EdiView Finder software utility.

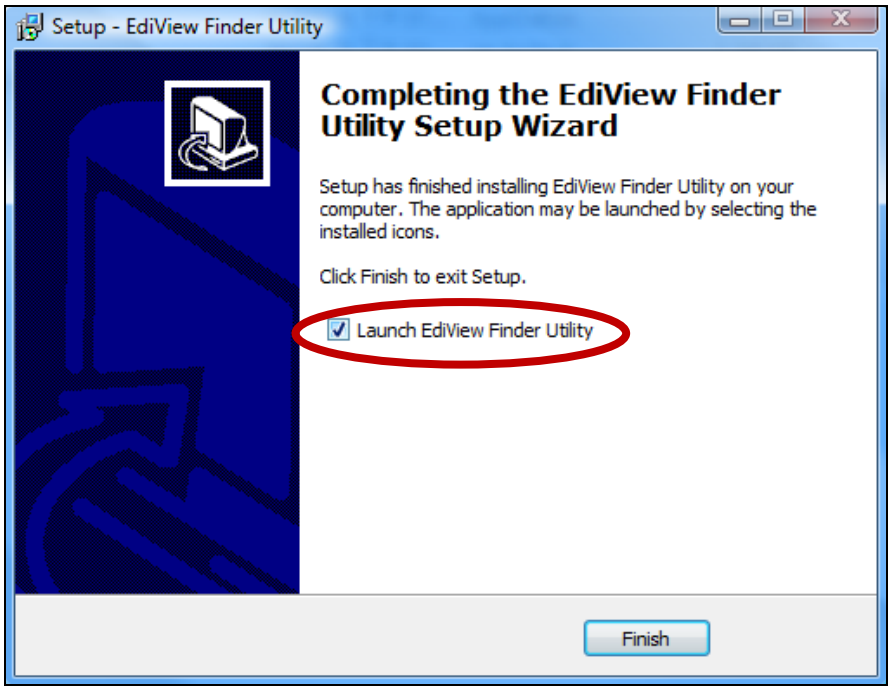






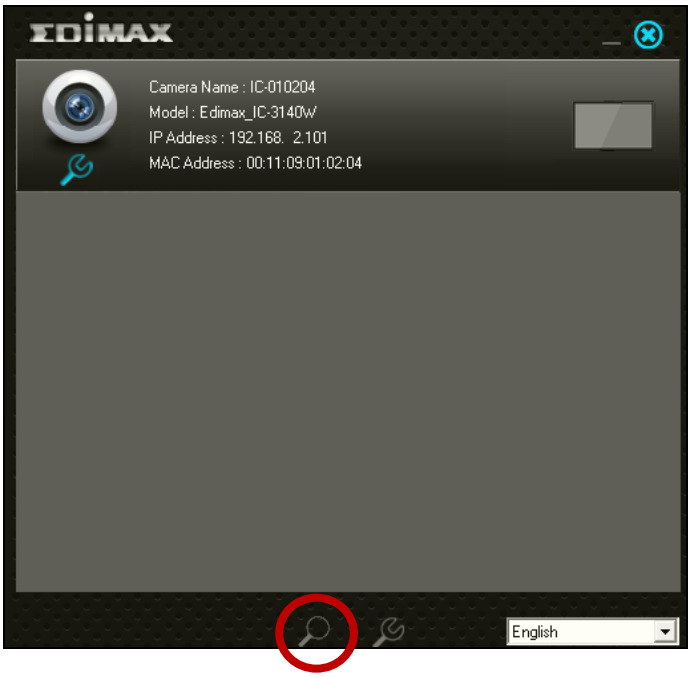


4. When installation is complete, select “Launch EdiView Finder Utility” before clicking “Finish”. Or double click the ”EdiView Finder Utility” icon on your desktop to launch EdiView Finder.



5. EdiView Finder will list all cameras on your local network, along with each camera's name, model, IP address and MAC address.

Click the search icon to refresh the list if your camera is not displayed.

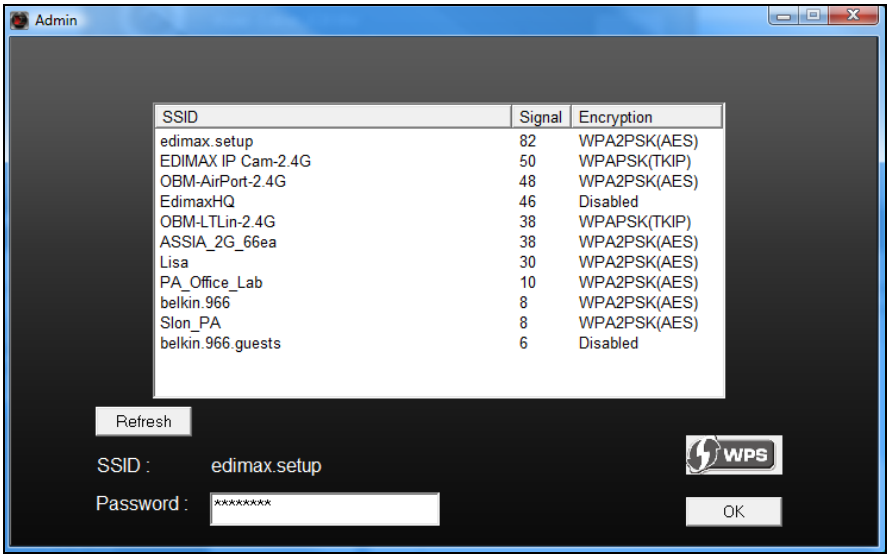


The network camera's IP address is displayed on this screen. After setup, you can enter this IP address into the URL bar of a web browser on the same local network to access your network camera's web-based configuration interface.

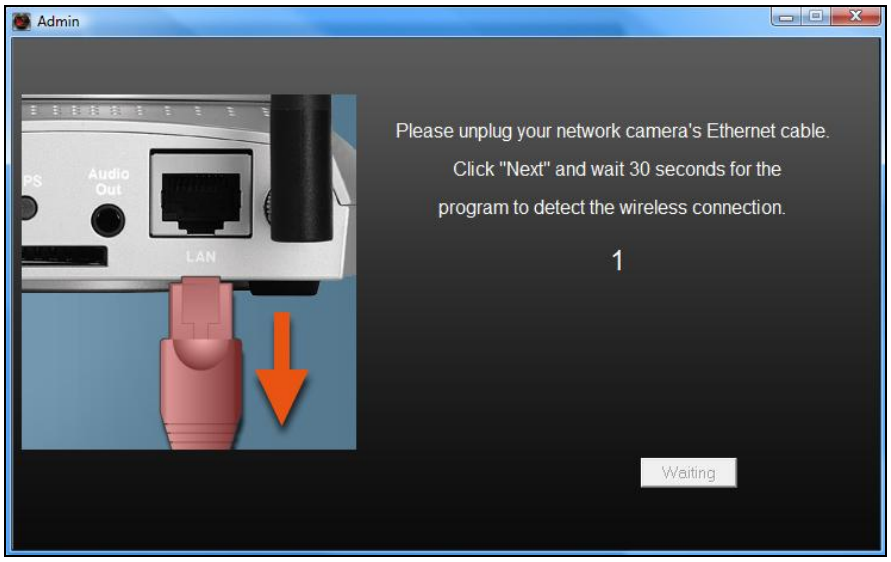
6. Double click your camera and then choose "Yes" or "No" if you wish to set up a wireless connection. If you choose "No" please go to **step 10**.

The IC-3140W is a wireless camera, you can choose "Yes" to set up your wireless connection.

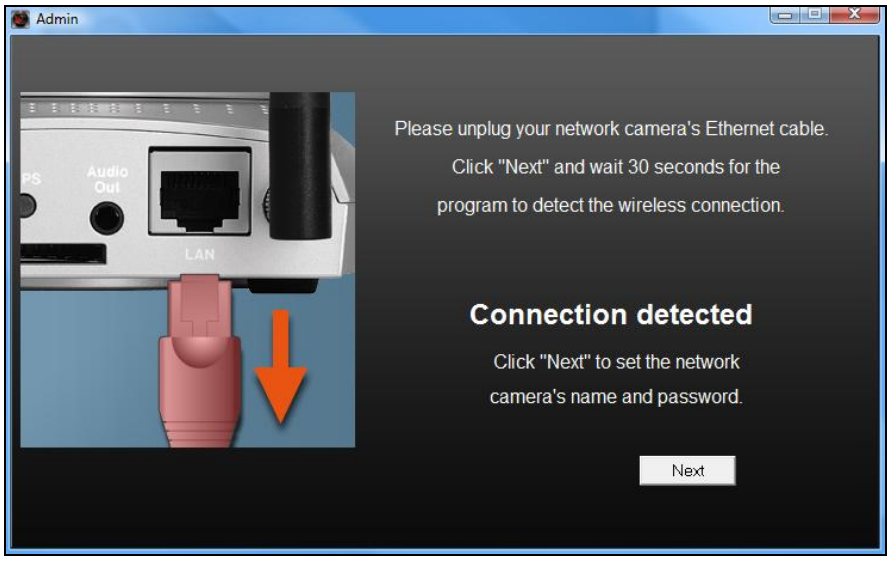
7. Select your wireless network from the list and enter the correct password in the “Password” field, before clicking “OK”. This is the wireless network which your camera will connect to.



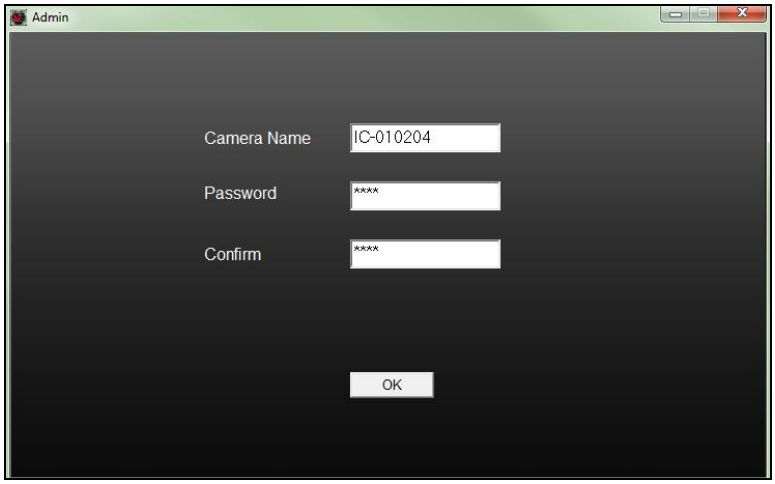
8. Unplug the Ethernet cable from your network camera and click “Next”. Please wait a moment for the camera to detect the connection.



9. When the connection is detected as shown below, please click “Next”.



10. Enter a name and password for your camera. The password will be used later to log in to your camera remotely via its cloud ID, web interface or via the EdiView II smartphone app. Click “OK” to continue.



11. The next screen will indicate that setup is complete. The camera is operational and ready for use. Click “OK”or click the URL and a preview window showing a live stream from your camera may open.

III-2-2. Mac

EdiView Finder for Mac will not set up your network camera's wireless connection. After this chapter, please continue to *IV-1-2. Wireless* ***to set up the camera's wireless connection.***

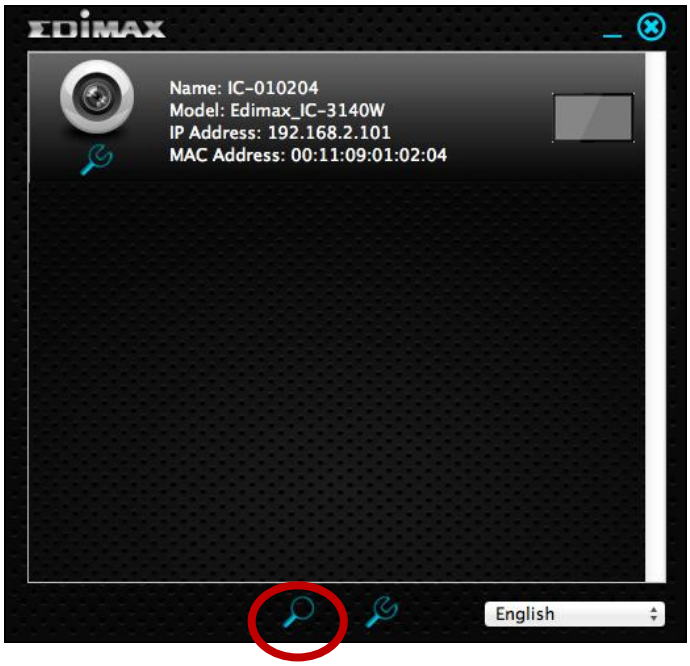
1. Insert the included CD into your CD-ROM drive and browse to the "Mac" folder.

2. Copy the "EdiView Finder" file to your desktop and double click the icon to open EdiView Finder.

EdiView Finder is also available for download from the Edimax website:
http://www.edimax.com/EdiViewFinder.htm

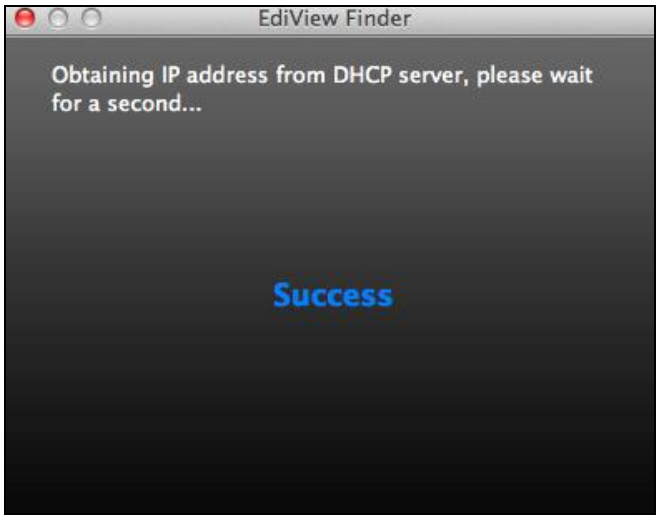
3. EdiView Finder will list all cameras on your local network, along with each camera's name, model, IP address and MAC address.

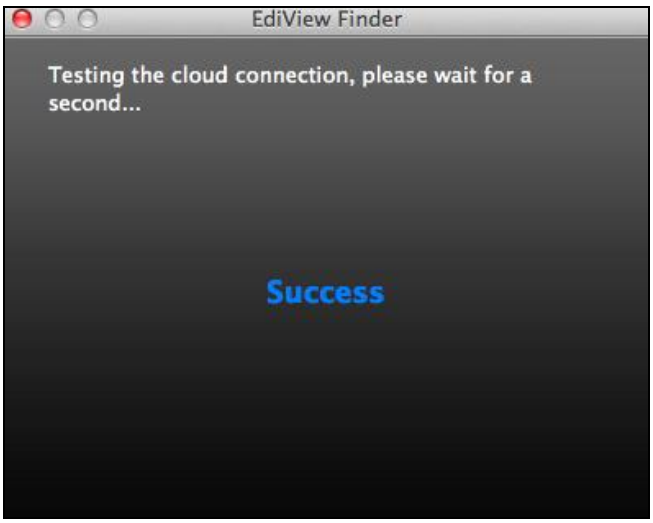
Click the search icon to refresh the list if your camera is not displayed.



The network camera's IP address is displayed on this screen. After setup, you can enter this IP address into the URL bar of a web browser on the same local network to access your network camera's web-based configuration interface.

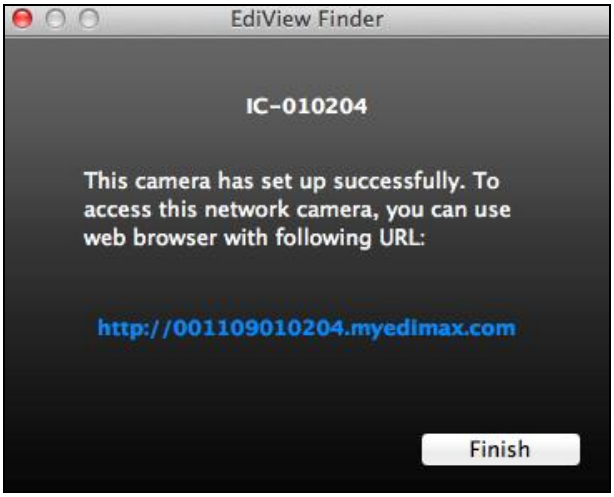
4. Double click your network camera and wait a moment for the network camera to obtain an IP address and test the cloud connection. EdiView should display "Success" as shown below.





5. Enter a name and password for your camera. The password will be used later to log in to your camera remotely via its cloud ID, web interface or via the EdiView II smartphone app. Click “Next” to continue.

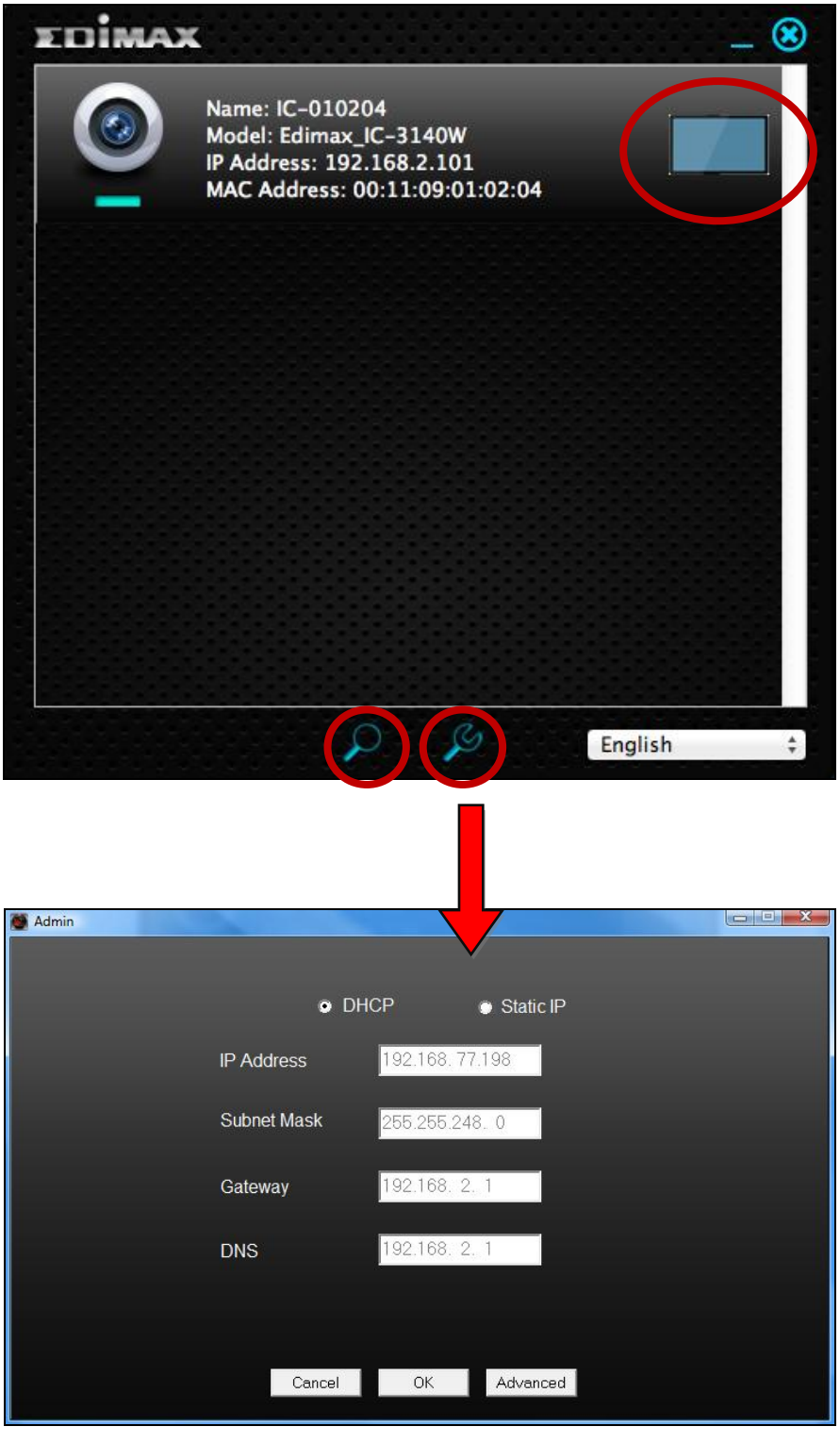
6. The next screen will indicate that setup is complete. The camera is operational and ready to be configured for a wireless connection. Click “Finish” and a preview window showing a live stream from your camera may open.



7. To setup your network camera’s wireless connection, please follow **IV-1-2. Wireless.**

III-2-3. Using EdiView Finder

You can also use EdiView Finder to find your network camera's IP address, view a live stream, or modify the network camera's IP address. Double click the TV icon on the right side to view a live stream in a pop-up window, or click the wrench icon to open a new window with the network camera's IP address settings:



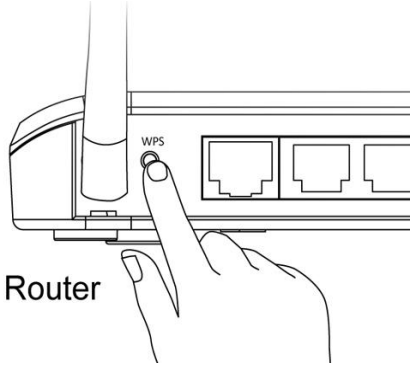
EdiView Finder will locate your network camera as long as you are on the same local network. Static IP users who may be using a different IP address subnet to the network camera should still be able to locate the network camera with EdiView Finder. If you encounter difficulties, it is recommended that you use a DHCP server – though you can manually set the network camera's IP address using EdiView Finder (above) or using the web-based configuration interface (see** *IV-1-1. Network) if you need.***

III-4. WPS (Wi-Fi Protected Setup)

The WPS button is a quick and easy method to establish a secure wireless connection between your network camera and your wireless router/access point.

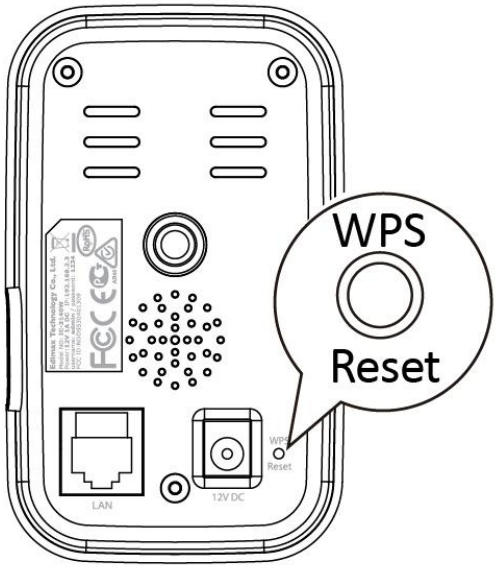
1. Press and hold the WPS button on your **wireless router/access point** for the correct length of time to activate its WPS.

Please check the instructions for your wireless router/access point for how long you need to hold down its WPS button to activate WPS.



2. Within two minutes, press the WPS/Reset button on the network camera for 2 – 5 seconds to activate WPS. The **green** LAN LED will **flash slowly** to indicate that WPS is active.

Take care not to hold the WPS/Reset button too long and reset your network camera (see** I-7. Reset**)



3. The devices will establish a secure wireless connection. The **green** LAN LED will **flash quickly** to indicate a successful WPS connection.

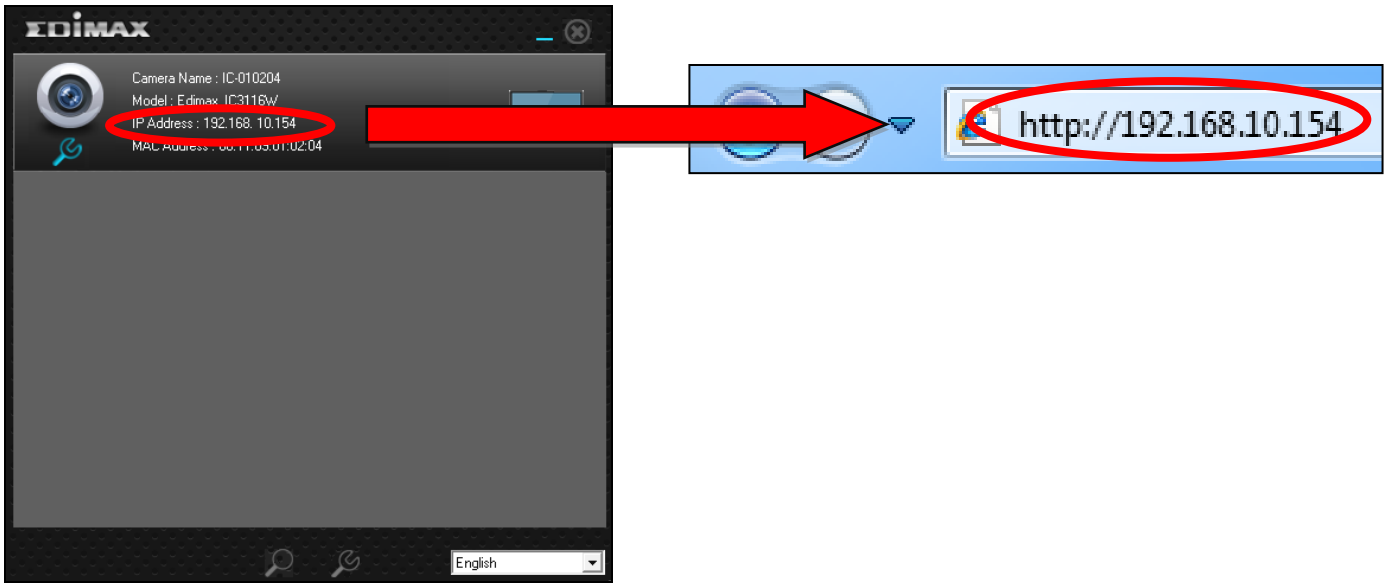
IV. Web-Based Management Interface

When you are using the **same local** network as your camera, you can use the web-based management interface to view or configure the camera.

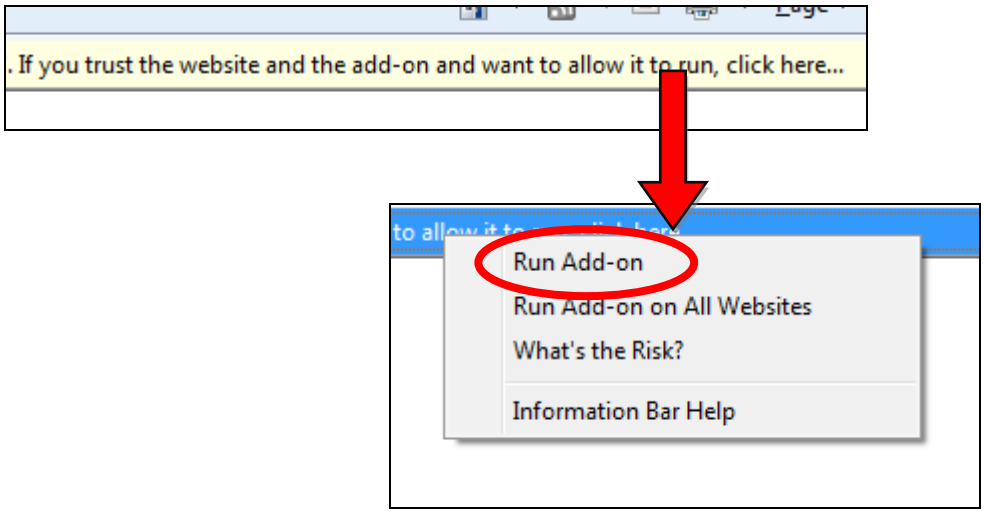
You can access the web-based management interface with a web browser on a smartphone or computer. For smartphone users, the appearance of the interface will vary slightly to that which is displayed here, though the menu functions which are described later from **IV-1. Basic** onwards are essentially the same.

1. Enter the network camera's IP address into the URL bar of a web browser. The camera's IP address can be found by opening EdiView Finder, as displayed below:

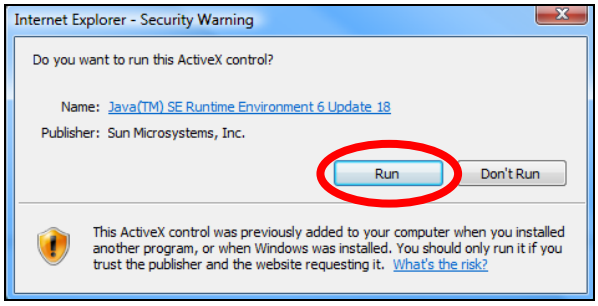
Internet Explorer is recommended.



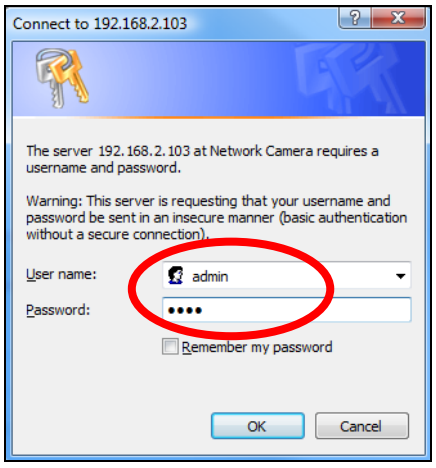
2. You may be prompted to allow a Java add-on to run. Please click the message where it says “click here” and then click “Run Add-on”.



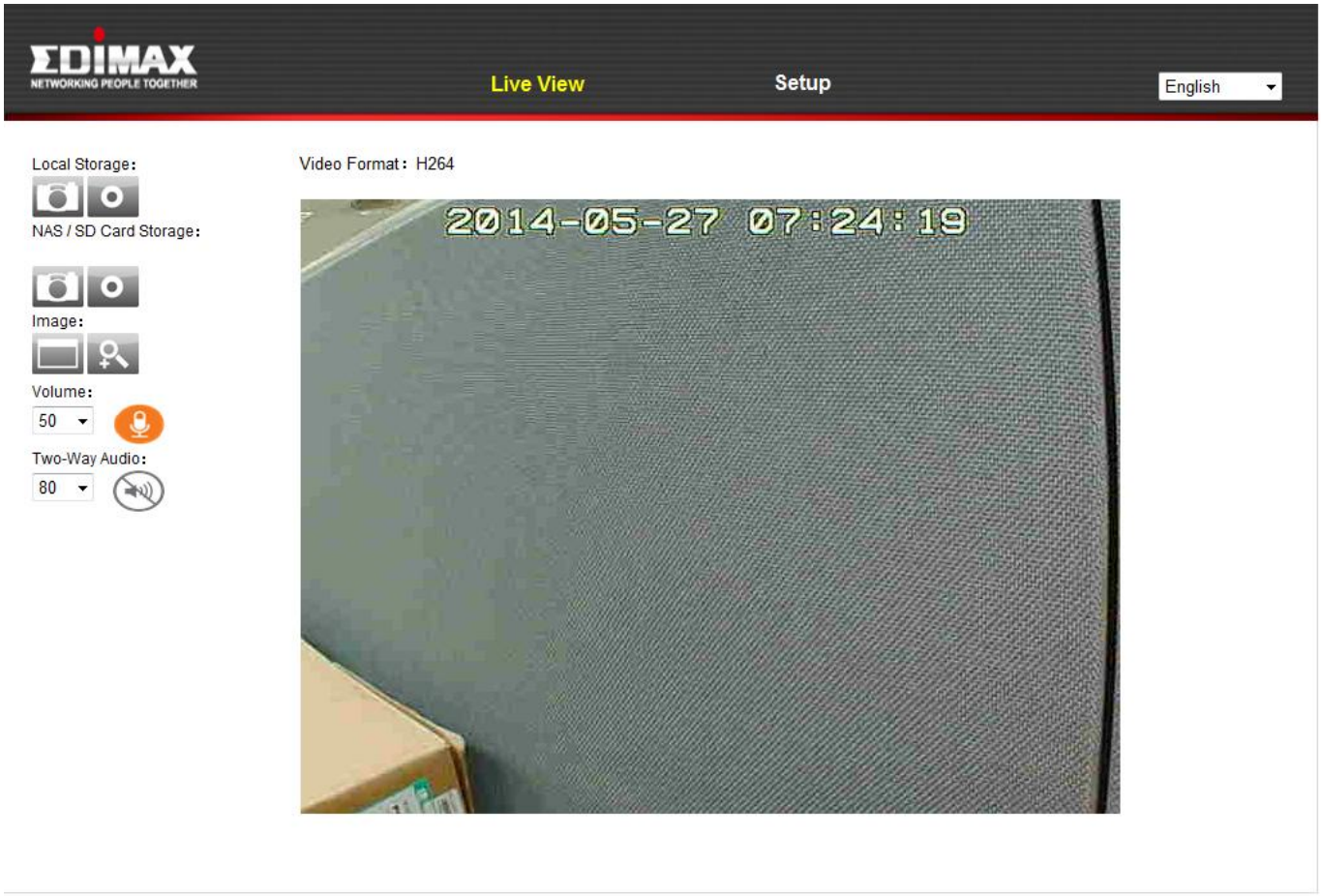
If any other security warnings/prompts appear, please select “Run” or “Allow” or similar, depending on your browser.



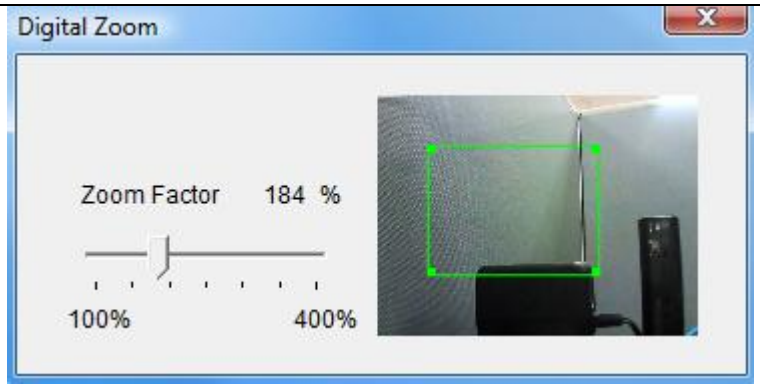
3. Enter the username and password for your network camera (default username: *admin* default password: *1234*). The network camera’s web-based management interface will then be displayed in your browser.



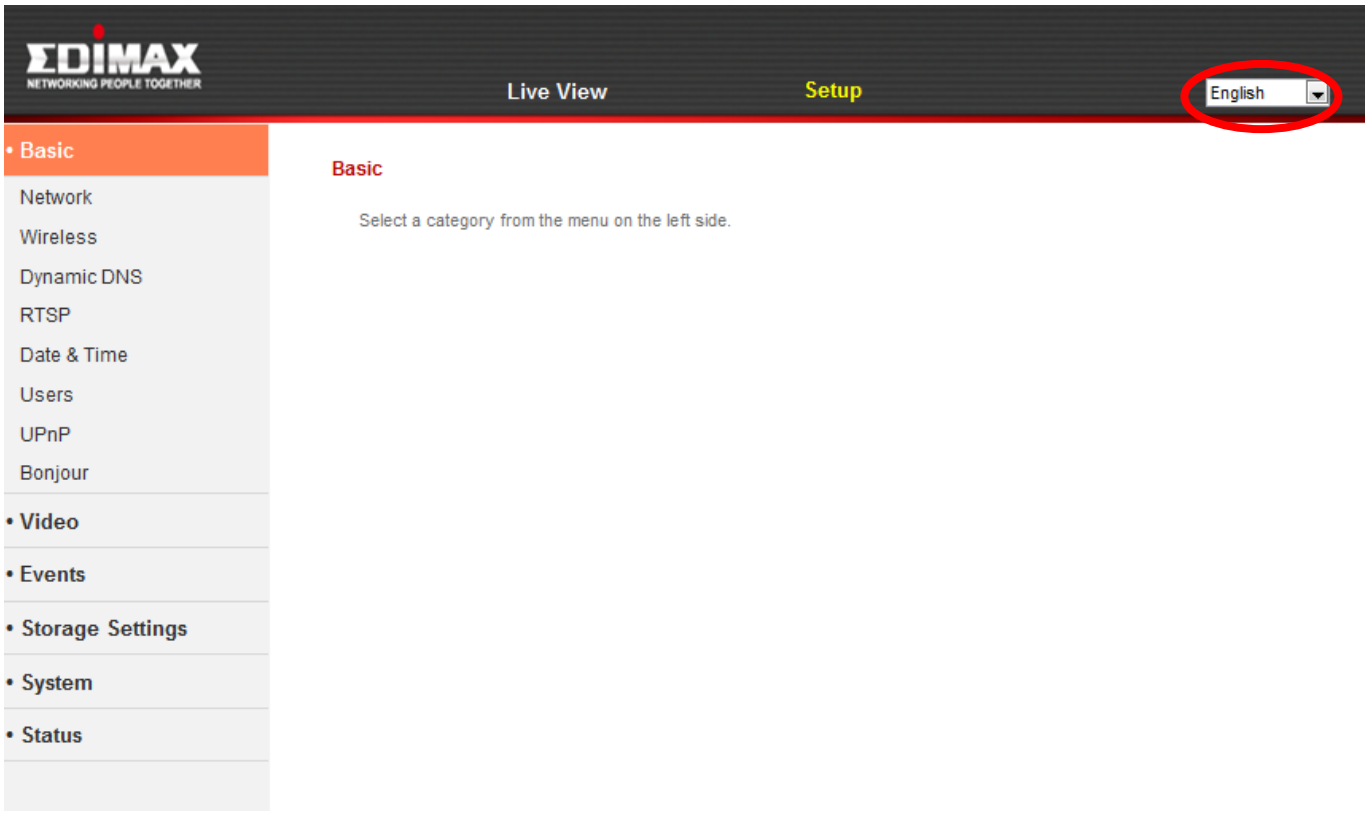
4. For computer users, the “Live View” screen will be displayed, as shown below. On the live view screen you can see a live stream from your camera and utilize various camera controls using the icons on the left side.



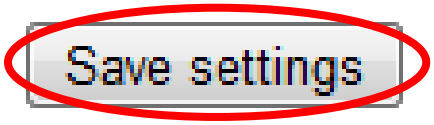
Snapshot	Save a snapshot (image) of the network camera’s current view. You will be prompted to select a location to save the image.
Record	Record video. You will be prompted to select a location to save the recording. The icon will display blue while recording, click the icon again to stop recording.
Full Screen	Expand the live view of the network camera to full screen mode. Press the “Esc” key on your keyboard to exit full screen.
Digital Zoom	Click to open the digital zoom window:

	 Adjust the level of zoom from 100% to 400% using the “Zoom Factor” slide bar and move the green box to the section of the image you wish to zoom on. The enlarged/zoomed view will be displayed in the main window.
Volume 	Use the drop down menu to adjust the listening volume level from the network camera’s built-in microphone.
Two-Way Audio 	Use the drop down menu to adjust the output volume for the network camera’s speaker.

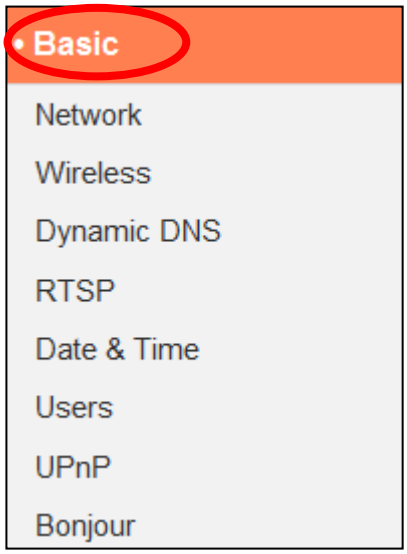
5. Select “Setup” at the top center and use the menu down the left side to navigate to the network camera’s various settings. Each menu item is described in the following chapters.



6. After making any changes, click “Save Settings” to save the settings and bring the changes into effect.



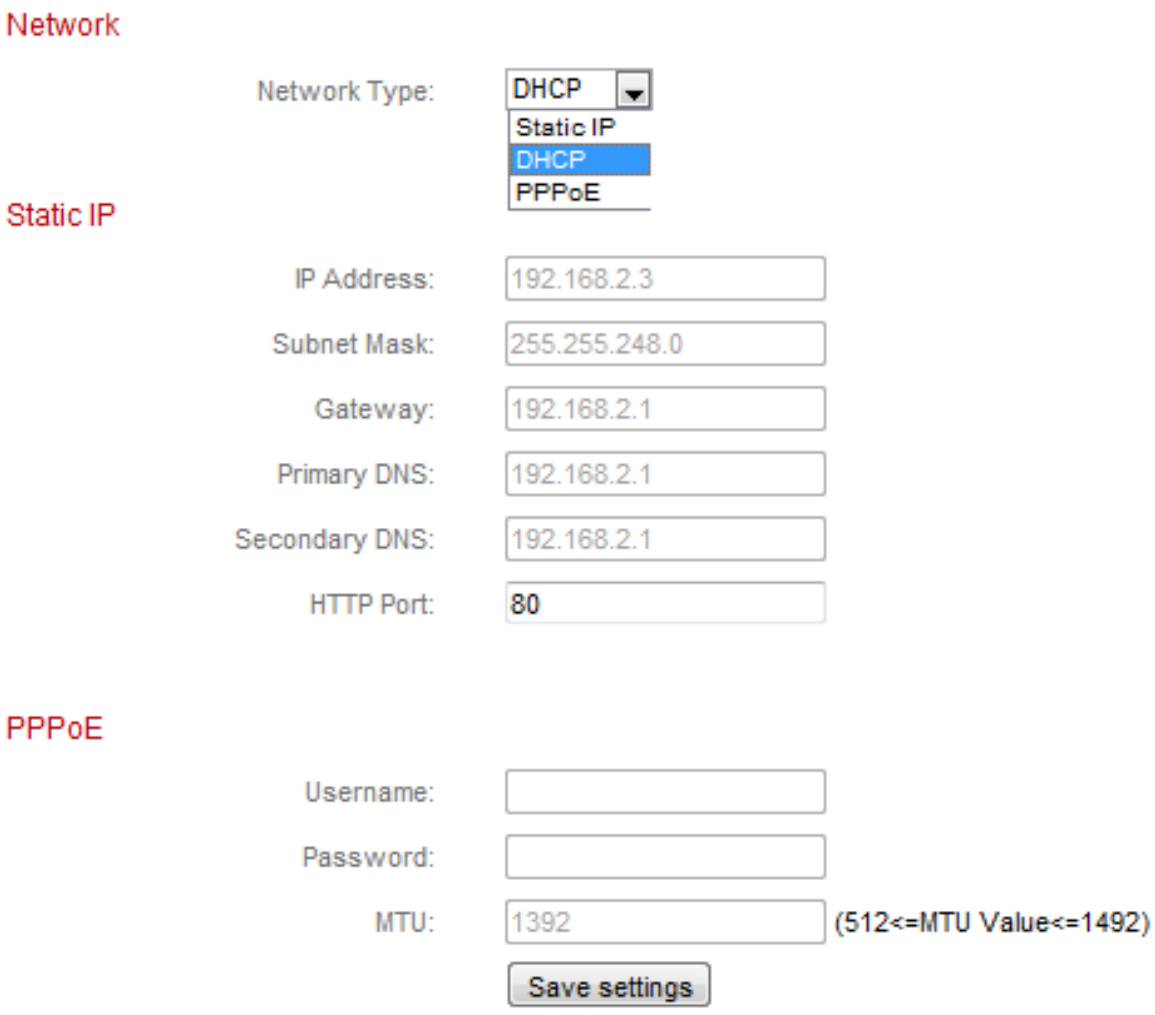
IV-1. Basic



The “Basic” menu opens a submenu with eight categories of settings for your network camera’s basic operation. Select a category and refer to the appropriate chapter.

IV-1-1. Network

Network settings are displayed on this page, as shown below. You can configure your network camera to dynamically receive a local IP address from your router's DHCP server or you can specify a local static IP address for your network camera. Additionally, advanced users can configure the camera using PPPoE.



Network Type	Select “DHCP” to automatically assign an IP address to your network camera from your router or “Static IP” to manually set a static IP address using the fields below. “PPPoE” is an additional option for advanced users.

IP Address	Static IP users specify an IP address here, which will be the IP address of your network camera.
Subnet Mask	Enter the subnet mask of the IP address.
Gateway	Enter the gateway address of your network.
Primary DNS	Enter the IP address of your primary DNS server.
Secondary DNS	Enter the IP address of your secondary DNS server (optional).
HTTP Port	You can edit the HTTP port number to any value between 1024 – 65535. The default value is 80.

PPPoE is not recommended unless you are an advanced user. Using PPPoE, your network camera can connect directly to your modem/ISP without a router/access point. This may cause issues using the EdiView II app, EdiView Finder and the web-based management interface.

Username	Enter the PPPoE username assigned by your ISP here.
Password	Enter the PPPoE password assigned by your IPS here.
MTU	Enter the maximum transmission unit (MTU) value of your network connection. This value must be greater than 512 and less than 1492. The default value is 1392.

IV-1-2. Wireless

The wireless page allows you to configure settings for your network camera's wireless connection. For Windows users, your wireless connection should have been set up already using EdiView Finder, though you can still use this page to revise the settings if you need.

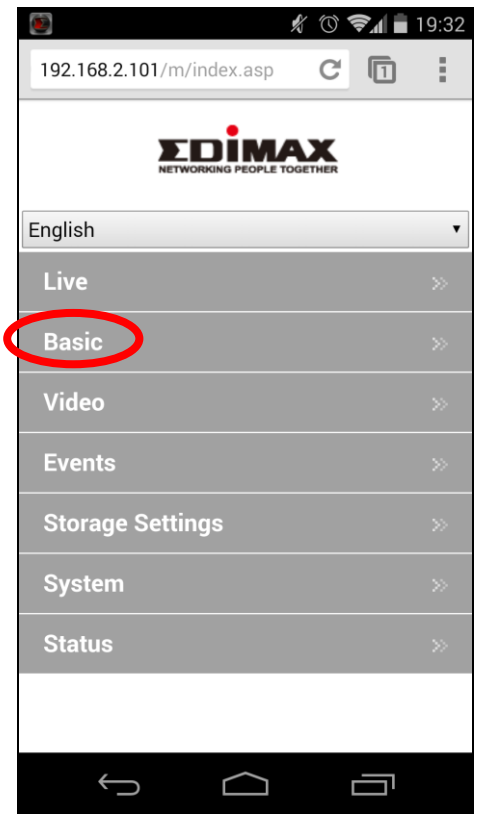
Mac users need to configure these settings manually since EdiView Finder on Mac will not set up your camera's wireless connection. A quick guide to set up your network camera's wireless connection using a smartphone or a computer is included below.

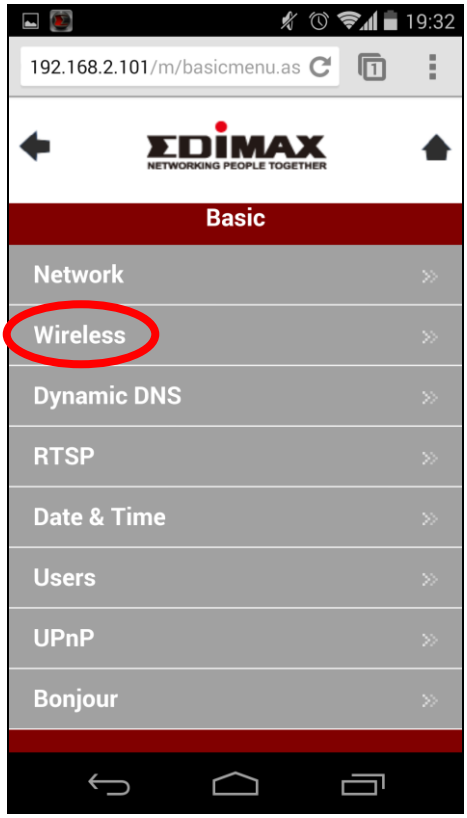
Mac users setting their network camera's wireless connection for the first time please ensure your network camera is connected to your router/access point/switch via Ethernet cable.

You can also use the "wireless" page for Wi-Fi Protected Setup (WPS): to either activate push-button WPS (the same effect as physically pushing the hardware WPS button built into the camera), or PIN code WPS (using a PIN code for verification between the two wireless devices for additional security.)

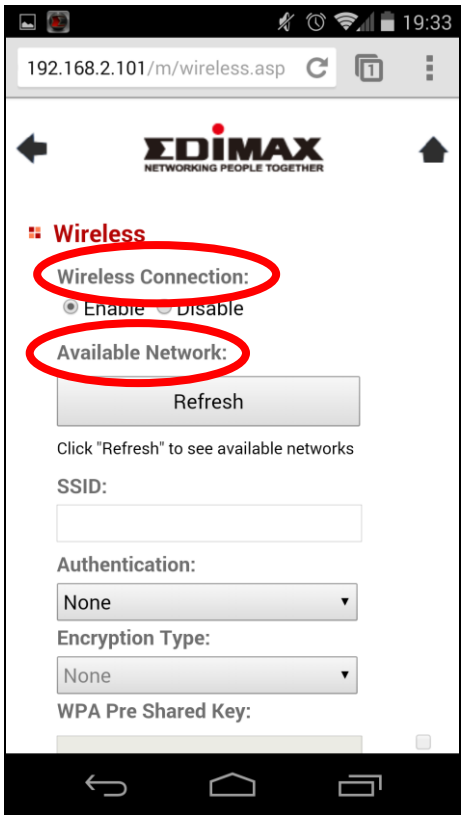
IV-1-2-1. Smartphone

1. Select “Basic” from the menu on the left side and then select “Wireless”.

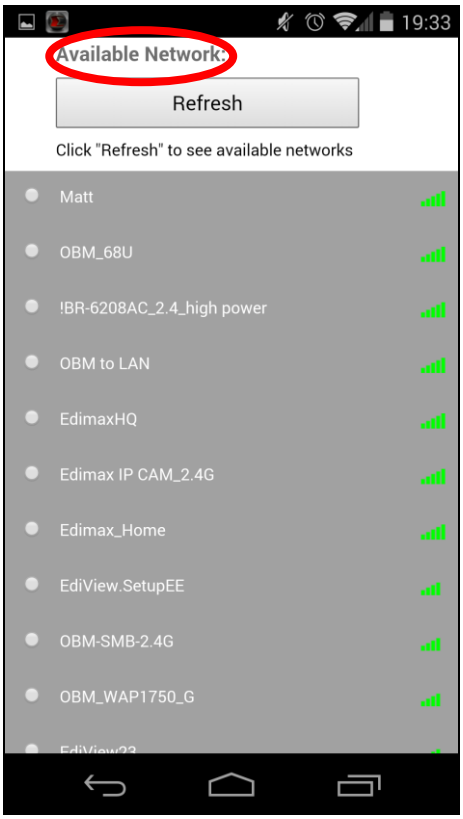


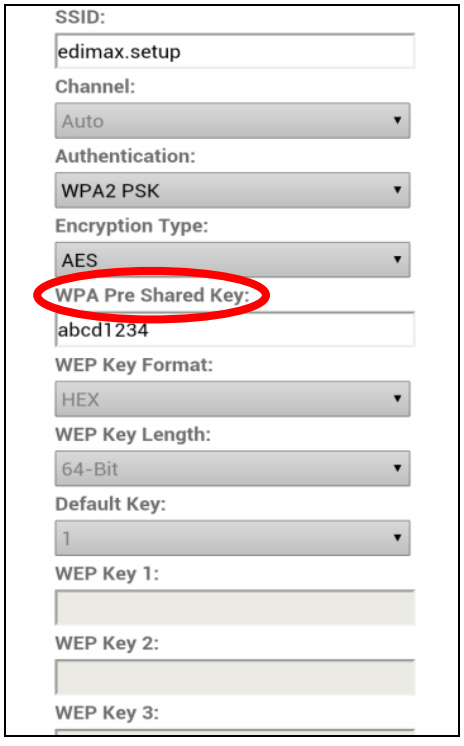


2. Configure the wireless settings **A – E** shown in the table below:


19:33
192.168.2.101/m/wireless.asp
EDIMAX
NETWORKING PEOPLE TOGETHER
Wireless
A
Wireless Connection:
Enable Disable
B
Available Network:
Refresh
Click "Refresh" to see available networks
SSID:
Authentication:
None
Encryption Type:
None
WPA Pre Shared Key:

C


19:33
Available Network:
Refresh
Click "Refresh" to see available networks
Matt
OBM_68U
!BR-6208AC_2.4_high power
OBM to LAN
EdimaxHQ
Edimax IP CAM_2.4G
Edimax_Home
EdiView.SetupEE
OBM-SMB-2.4G
OBM_WAP1750_G


SSID:
edimax.setup
Channel:
Auto
Authentication:
WPA2 PSK
Encryption Type:
AES
D
WPA Pre Shared Key:
abcd1234
WEP Key Format:
HEX
WEP Key Length:
64-Bit
Default Key:
1
WEP Key 1:
WEP Key 2:
WEP Key 3:

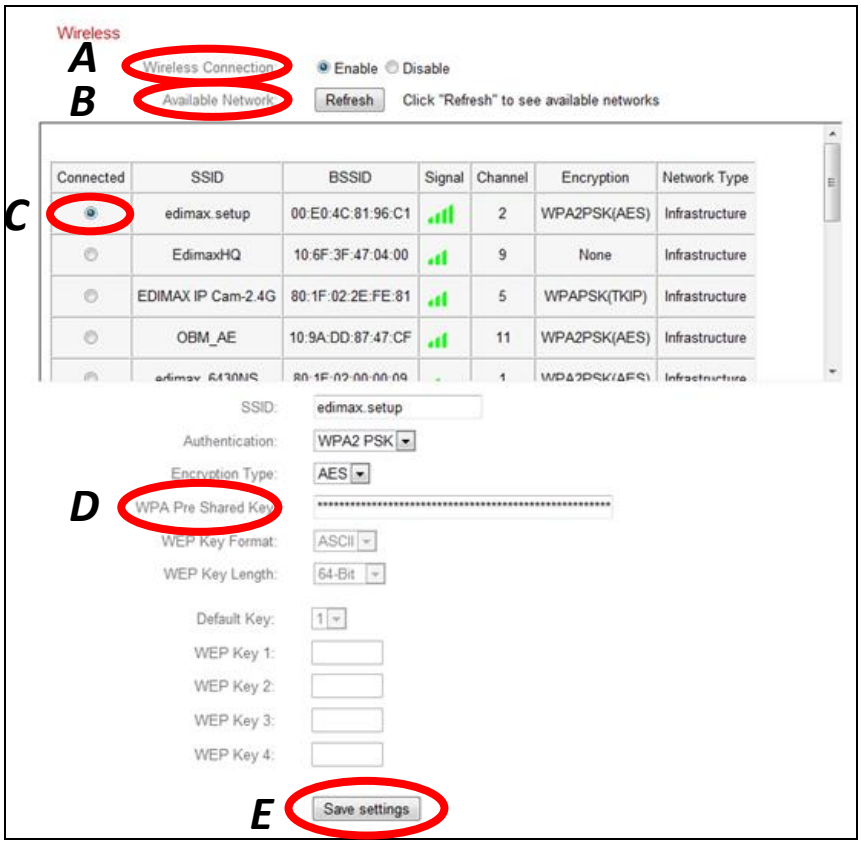

WEP Key 2:
WEP Key 3:
WEP Key 4:
E
Save settings
WPS
Self PinCode:
90588235
Access PBC mode:
Start PBC
Configure via PinCode:
Registrar SSID:
Start PIN

A	**Wireless Connection**	Select “Enable” to enable the wireless connection.
B	**Available Network (1)**	Click “Refresh” to display all available Wi-Fi networks.
C	**Available Network (2)**	Select your Wi-Fi network from the list. This is the wireless network which your camera will connect to.
D	**WPA Pre Shared Key**	Enter your Wi-Fi password.
E	**Save Settings**	Click “Save Settings” to save your settings.

3. After the settings are saved, remove the Ethernet cable from your network camera. Your camera should now be connected to your Wi-Fi.

IV-1-2-2. Computer

1. Configure the wireless settings **A – E** shown in the table below:

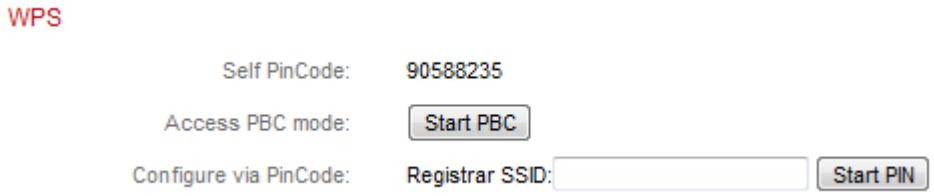


A	**Wireless Connection**	Select “Enable” to enable the wireless connection.
B	**Available Network**	Click “Refresh” to display all available Wi-Fi networks.
C	**Connected**	Select your Wi-Fi network from the list. This is the wireless network which your camera will connect to.
D	**WPA Pre Shared Key**	Enter your Wi-Fi password.
E	**Save Settings**	Click “Save Settings” to save your settings.

2. After the settings are saved, remove the Ethernet cable from your network camera. Your camera should now be connected to your Wi-Fi.

IV-1-2-3. WPS

WPS (Wi-Fi Protected Setup) is a quick and easy way to set up wireless connections between compatible devices. Use the “Start PBC” or “Start PIN” button to activate WPS on your network camera. Your network camera’s WPS PIN code is also listed next to “Self PinCode”.

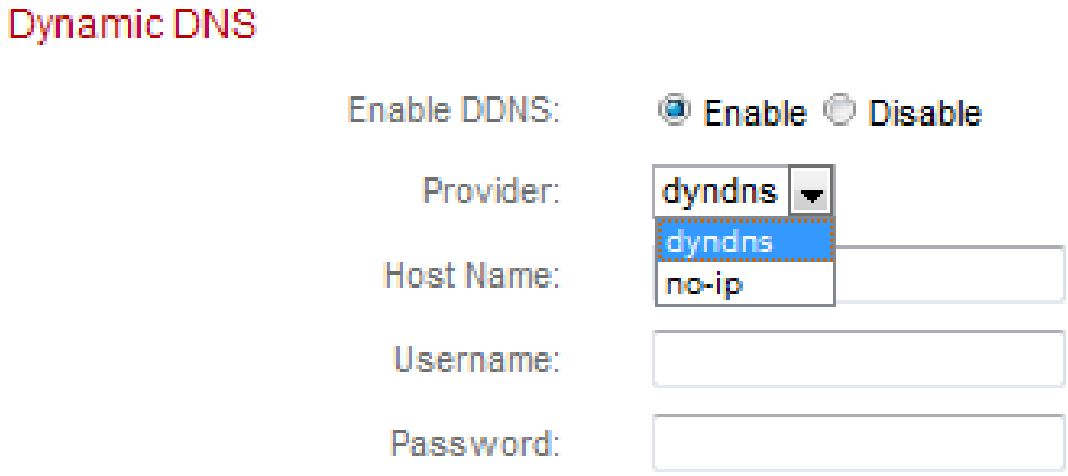


Self PinCode	Your network camera’s WPS PIN code is listed here.
Access PBC Mode	Click “Start PBC” to activate push-button WPS on your network camera. This has the same effect as physically pushing the built-in hardware WPS button.
Configure via PinCode	Enter the SSID you wish to connect to and click “Start PIN” to activate PIN code WPS. You will then need to enter the network camera’s “Self PinCode” into your wireless router’s web U.I. and activate your router’s PIN code WPS.

Please refer to your wireless router’s instructions for help accessing its web-based interface and activating WPS.

IV-1-3. Dynamic DNS

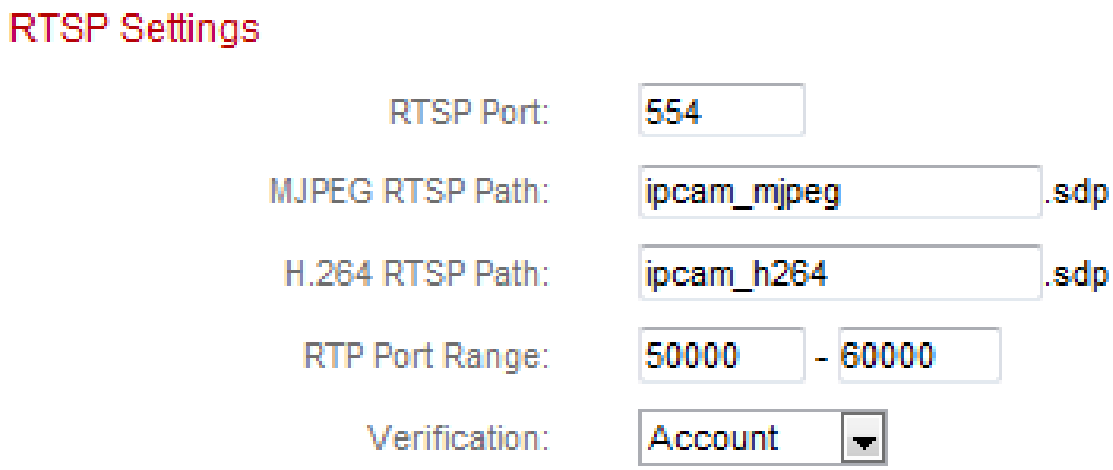
Dynamic DNS (DDNS) is a service which provides a hostname-to-IP service for dynamic IP users. If your Internet service provider didn't issue a fixed IP address, you can use a third-party dynamic DNS provider to map your current IP address to a fixed IP address. Several free or paid DDNS services are available online, please use the information provided by your DDNS provider to configure the settings on this page.



Enable DDNS	Select "Enable" to enable DDNS functionality, or select "Disable" to disable DDNS functionality.
Provider	Select your dynamic DNS service provider from the dropdown menu.
Host Name	Enter the hostname you registered with the DDNS service provider.
User Name	Enter the user name you registered with the DDNS service provider.
Password	Enter the password you registered with the DDNS service provider.

IV-1-4. RTSP

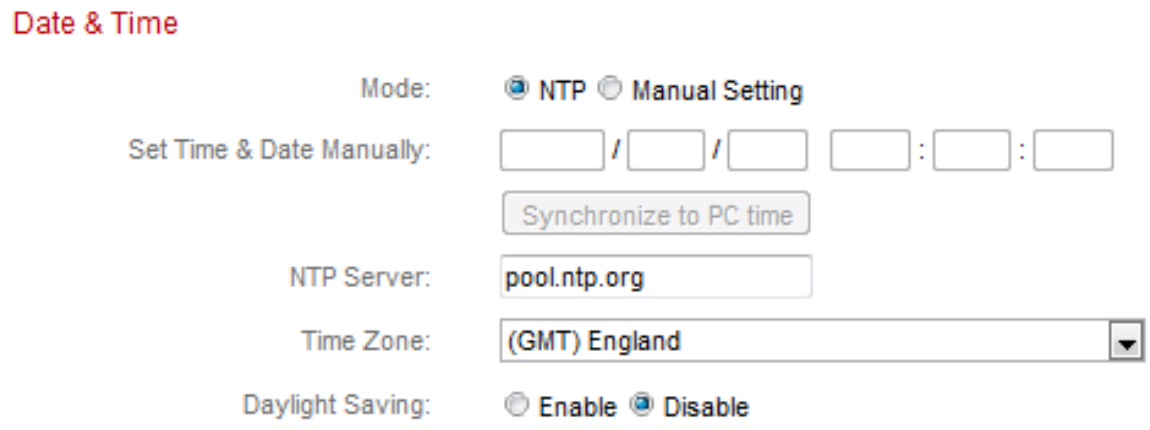
Real Time Streaming Protocol (RTSP) enables the network camera to be used with a streaming media server. Enter the required RTSP settings.



RTSP Port	Enter the RTSP port.
MJPEG RTSP Path	Enter the MJPEG RTSP path.
H.264 RTSP Path	Enter the H.264 RTSP path.
RTP Port Range	Enter the RTP port range.
Verification	Select a verification type from the drop down menu.

IV-1-5. Date & Time

You can set and adjust the network camera's system time and date on this page. Maintaining a correct system time is particularly important for recorded video organization/playback.

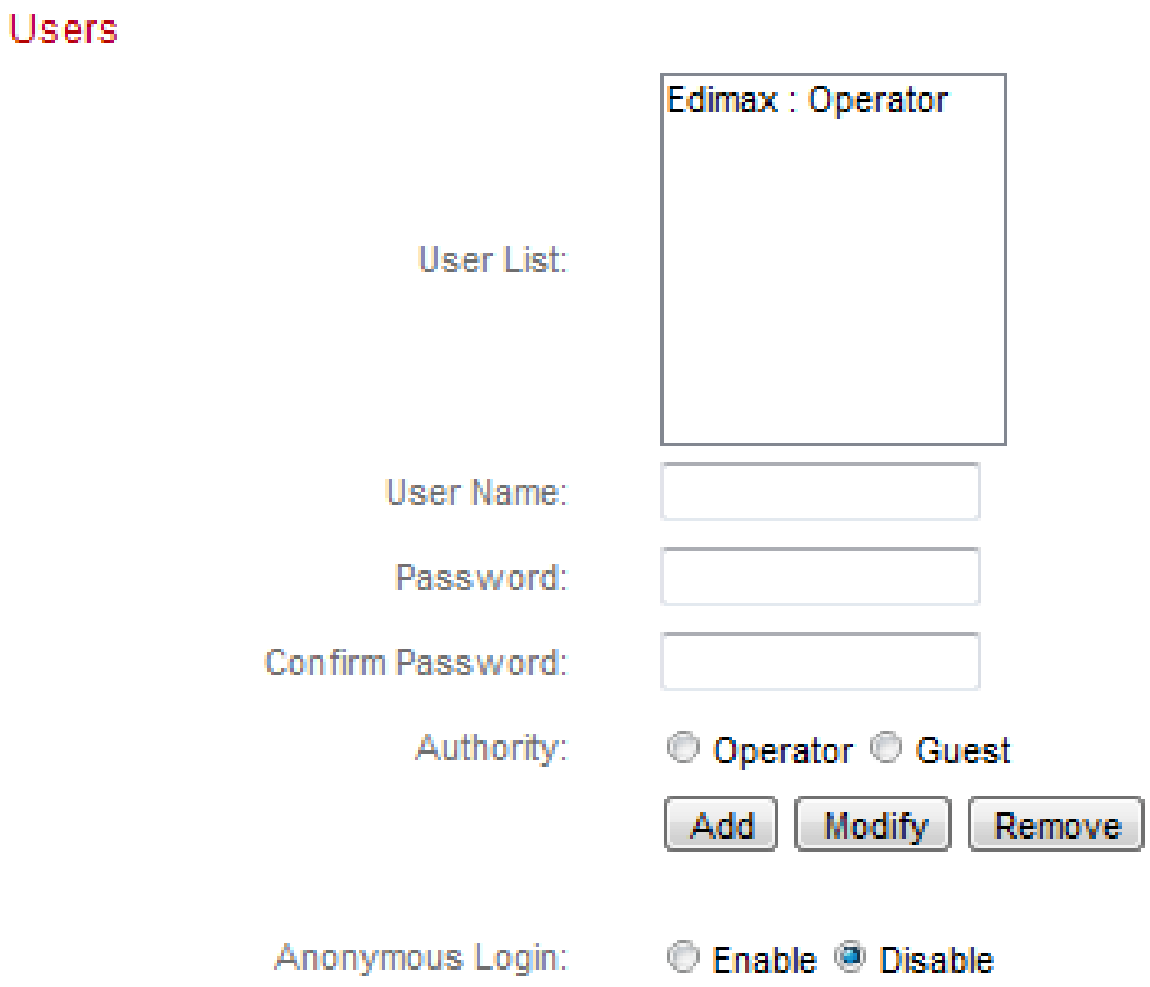


Mode	Select "NTP" or "Manual Setting". NTP (Network Time Protocol) can set and maintain the time and date automatically via an NTP server on the local network, if available.
Set Time & Date Manually	For manual setting mode, enter the correct time and date in the following format: YYYY/MM/DD HH:MM:SS
Synchronize to PC time	Click here to automatically enter the same time and date as your computer.
NTP Server	For NTP mode, enter the NTP server's hostname or IP address.
Time Zone	Select the correct time zone.
Daylight Saving	Enable or disable daylight saving according your local time zone.

IV-1-6. Users

In addition to the default administrator account, you can configure several different login accounts for the network camera, with two different levels of access – operator and guest.

Operator accounts can configure all functions of the network camera in the same way as the administrator account, while guest accounts can only view the camera's image.

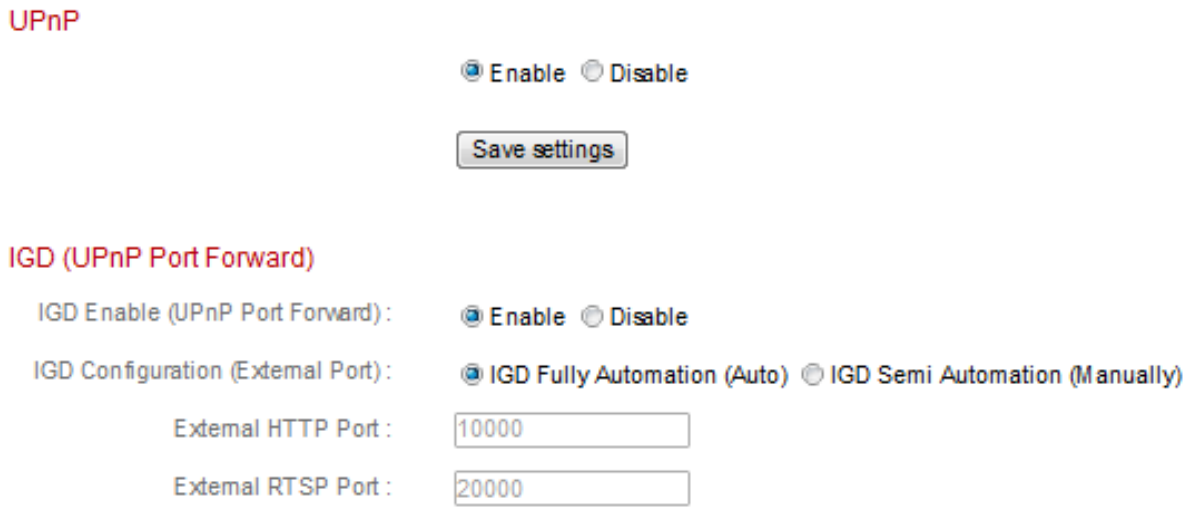


User List	Existing users are listed here. Select a user here to modify the settings.
User Name	Input user's name here.
Password	Input user's password here.
Confirm password	Input user's password here again for confirmation.

Authority	Select the user's authority: Operators can view video and configure some settings, while guests can only view video.
Add	Add a new user.
Modify	Save the changes to an existing, selected user.
Remove	Remove selected user.
Anonymous Login	Enable or disable anonymous login. Anonymous login allows anyone to login to the network camera and view images. This function is useful if you want to setup a remote video server.

IV-1-7. UPnP

Universal plug-and-play (UPnP) is a set of networking protocols which enables network devices to communicate and automatically establish working configurations with each other. When enabled, Windows computers can automatically discover the network camera on the local area network. The network camera also supports IGD.



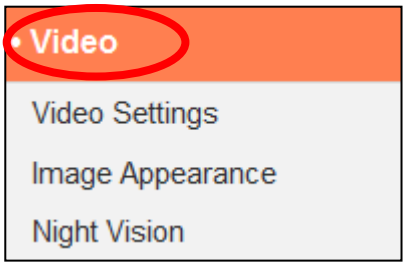
Enable/Disable	Enable or disable UPnP.

IGD Enable (UPnP Port Forward)	Enable or disable Internet Gateway Device (IGD).
IGD Configuration (External Port)	Select fully-automated or semi-automated IGD.
External HTTP Port	Enter an external HTTP port.
External RTSP Port	Enter an external RTSP port.

IV-1-8. Bonjour

Bonjour is a feature of Mac computers which allows Safari web browser to discover devices and services on the local network and provide a quick shortcut for access. When enabled, Safari users on the local network can find a shortcut to the network camera under Safari's "Bonjour" menu. Select "Enable" or "Disable".

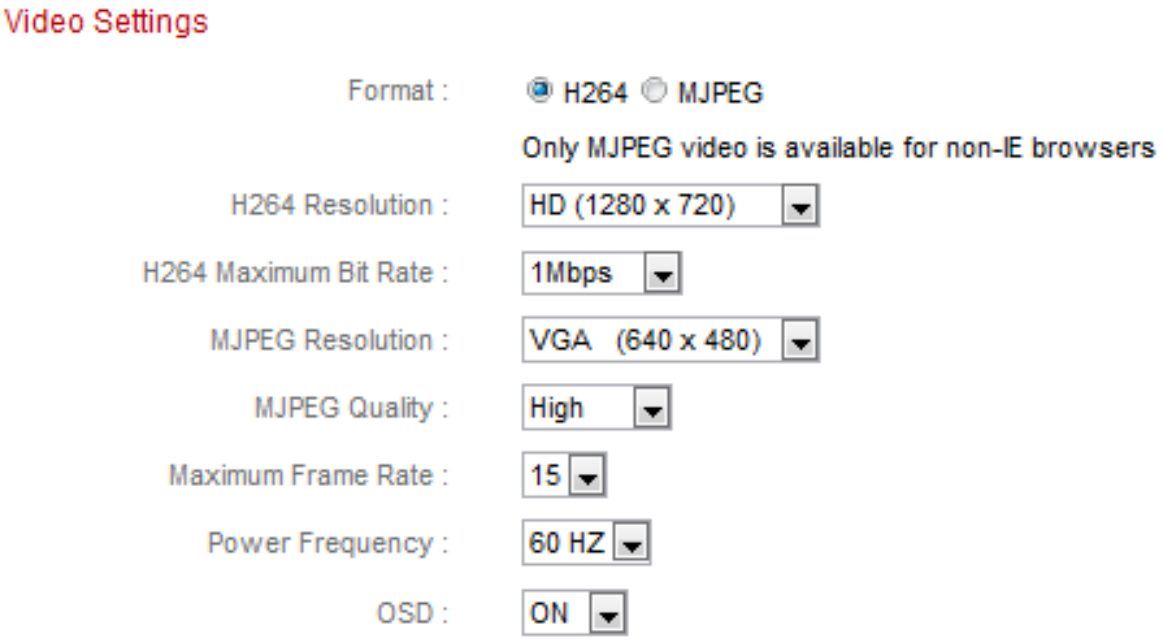
IV-2. Video



The “Video” menu consists of three categories for configuring the network camera’s video settings. Select an item from the submenu and refer to the appropriate following chapter.

IV-2-1. Video Settings

The “Video Settings” page enables you to modify the network camera’s resolution and frame rate settings.

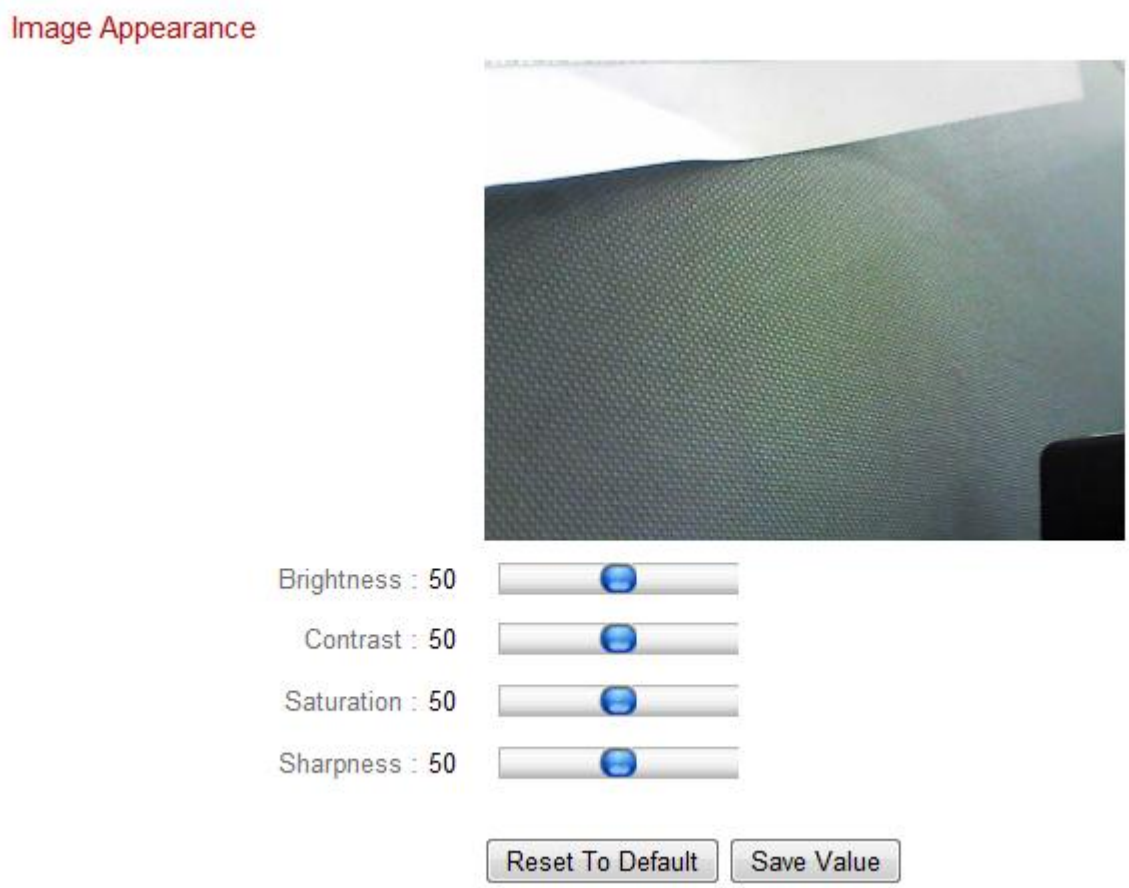


Format	Select which format to use for your video, “H264” or “MJPEG”.
H264 Resolution	Select a H264 video resolution from the dropdown menu. A higher resolution provides more detailed video but requires more bandwidth. ***Note: Motion detection cannot be used when “HD” resolution is selected.***

H264 Maximum Bit Rate	Select a maximum bit rate for H264 videos from the dropdown menu. A higher bit rate provides more detailed video but requires more bandwidth. The bit rate is accurate ±20%.
MJPEG Resolution	Select a MJPEG video resolution from the dropdown menu. A higher resolution provides more detailed video but requires more bandwidth.
MJPEG Quality	Select a quality level for MJPEG videos from the drop down menu. Higher quality requires more bandwidth.
Maximum Frame rate	Select the maximum video frame rate. A higher frame rate provides smoother video, but also requires more bandwidth. ***Note: In dark environments, the network camera will automatically lower the frame rate to provide a better video quality, by using a longer exposure time.***
Power frequency	Adjust the power frequency to 50 Hz or 60 Hz frequency depending on your local region, in order to reduce flicker/improve playback in your videos.
OSD	Set the network camera's on-screen display (OSD) consisting of time & date to on or off for all live video and video recordings.

IV-2-2. Image Appearance

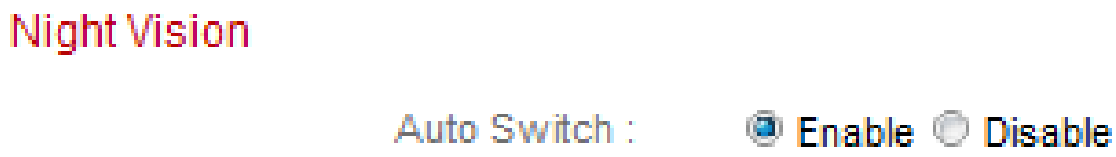
The “Image Appearance” page allows you to adjust various parameters relating to the network camera’s image appearance using the sliders shown below.



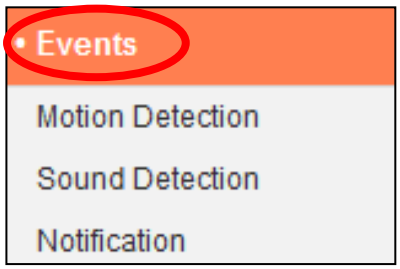
Brightness/ Contrast/ Saturation/ Sharpness/	Click and drag the blue lever to change the value according to your preference for each category.
Reset to default	Click to reset all settings back to the default value of 50.
Save value	Save changes.

IV-2-3. Night Vision

Night-vision allows your network camera to capture images in dark environments by using infra-red LEDs. Auto-switch will detect light levels in your network camera's environment and automatically switch to night-vision in low light. Select "Enable" or "Disable" for night-vision auto-switch.



IV-3. Events



Select an item from the “Events” menu and refer to the appropriate following chapter. You can configure settings for motion detection, scheduling, SMTP and FTP.

IV-3-1. Motion Detection

IV-3-1-1. Motion Detection

The network camera features a motion detection function and various options for (motion detection) events notification. When motion is detected, it is defined as an “event” and the camera will record for a specified length of time. You can set the camera to send this recording as a notification via email or FTP, and/or to local storage such as a NAS or MicroSD card inside the camera.

You can also set the camera to send a push notification for each event to a smartphone with EdiView II installed. You can view a 10 second recording of the event, which is automatically stored in the network camera’s memory, from the app’s “Events” menu.

Recordings stored automatically in the network camera are limited to 10 seconds and only a limited quantity can be stored. These recordings are separate from any recordings saved to local storage or sent via email/FTP, and will be overwritten as new recordings are created.

Motion Detection

Motion Detection : Enable Disable

Detection Type : Human motion detection (PIR)

Interval Time To Detect : 10 second

FTP / Email Notification

Upload Event File to FTP : Enable Disable

Send Event File to Email : Enable Disable

Video Recording Time : 10 second

Save Video To Local Storage

Save Event Files to NAS or SD : Enable Disable

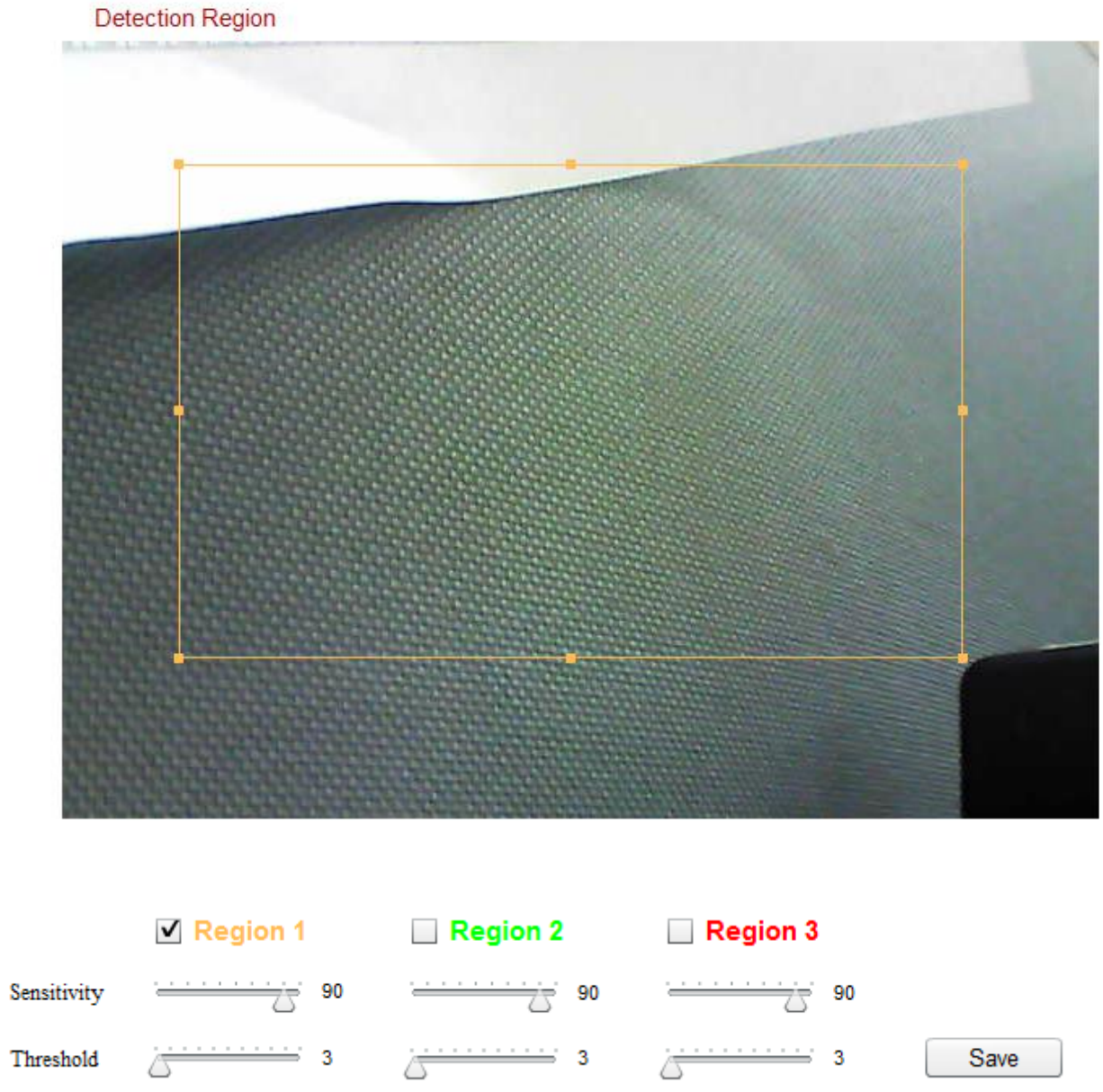
Video Recording Time : 5 Minute

Motion Detection	Enable or disable the motion detection function of your network camera.
Detection Type	Select type of motion detection: Video motion detection: This is software-based motion detection which is highly sensitive to any motion & lighting changes. Human motion detection: This is infrared (PIR) motion sensor detection, which detects changes in infrared radiation caused by heat e.g. a person entering a room.
Interval Time To Detect	After motion is detected, the network camera will not detect motion again for this length of time. For example, using an “Interval Time To Detect” of 20 seconds means that after motion is detected, the camera will not detect any further motion for 20 seconds. Then after 20 seconds, the camera will detect motion again.
Upload Event File to FTP	A video recording of a detected event can be sent to a designated FTP server. Select “Enable” or “Disable” for this function. When enabled, you need to configure the FTP server information on the “FTP” page of the “Events → Notification” menu.
Send Event File to Email	A video recording of a detected event can be sent to a designated email recipient. Select “Enable” or “Disable” for this function. When enabled, you need to configure the SMTP server information on the “SMTP” page of the “Events → Notification” menu.
Video Recording Time	Specify the length of time for the email or FTP video recording here.
Save Event Files to NAS or SD	Enable or disable the camera’s function to save video files to NAS or MicroSD card. When enabled, you need to configure the settings in the “Storage Settings” menu.

Video Recording Time	Specify the length of time for the NAS or MicroSD video recording here.

IV-3-1-2. Detection Region

When using the network camera's motion detection function, you can specify the area in the video where the network camera should be sensitive to motion. Motion outside of the detection region will be ignored by the network camera. This is useful to avoid false alarms.



Region 1 / Region 2 / Region 3	Check the box to enable up to three motion detection regions. A color-coded rectangle will appear on the video view for each enabled region. Adjust the size and position of each box according to your preference by

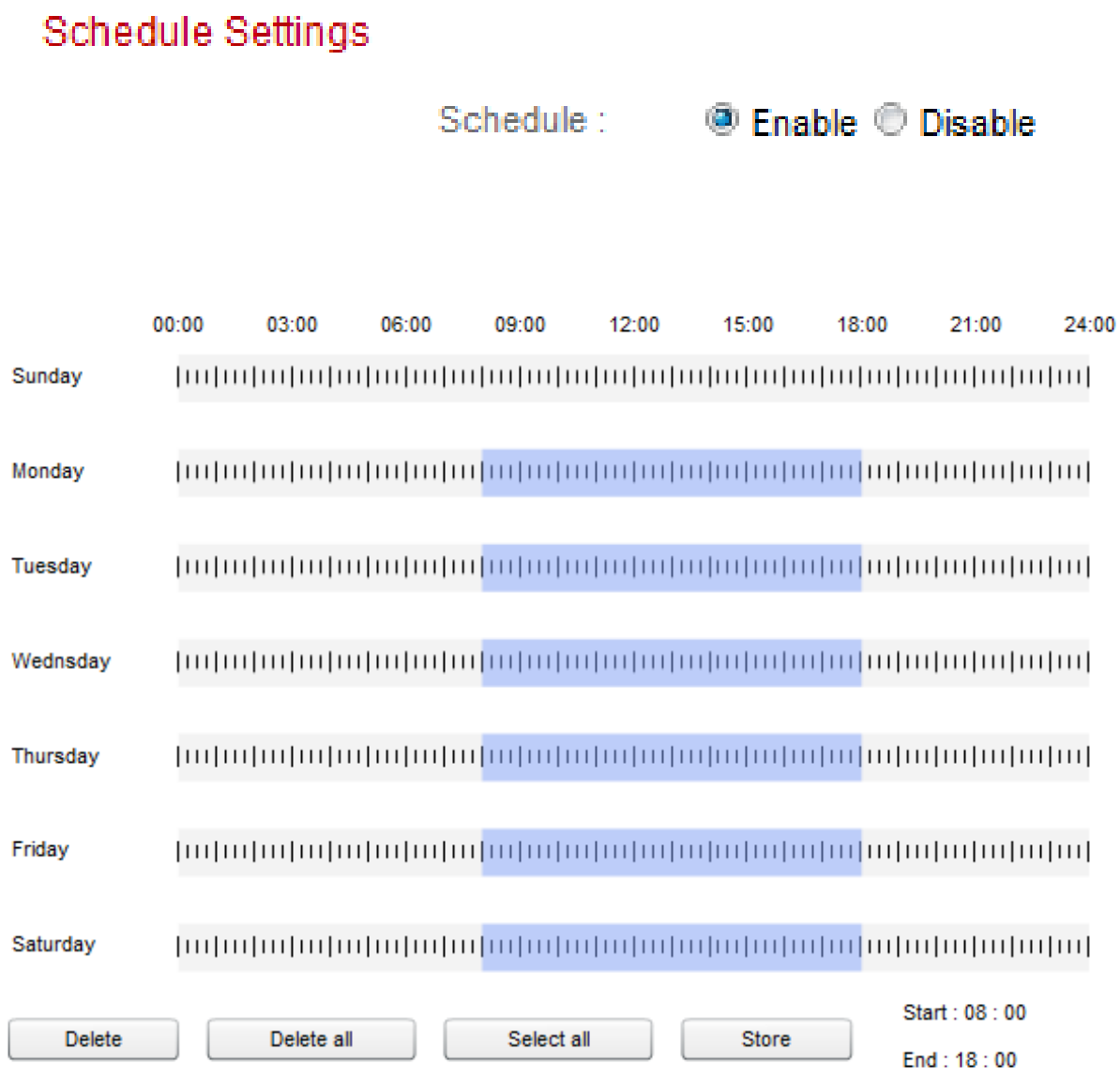
	clicking and dragging inside the box (move) or on the edges (resize).
Sensitivity	Adjust the sensitivity level of motion detection for each region. A higher value will trigger the alarm for minor motion in the video and vice-versa. You can reduce the sensitivity level if you receive unnecessary event notifications.
Threshold	Adjust the motion detection threshold level for each region. A higher value will trigger the alarm for large objects in the video, a lower value will trigger the alarm for smaller objects.
Save	Save your settings.

IV-3-1-3. Schedule Settings

The network camera's motion detection function can be scheduled to be active on/at specified times and days. Select "Enable" to enable this feature and then define which times the network camera's motion detection will be active using the table below.

For each day, click and drag across the timeline on the times which you want motion detection to be active. A blue box indicates a scheduled recording. In the example below, motion detection is scheduled for 8am – 6pm Monday to Saturday.

By default, the schedule may be full. Delete existing entries if necessary. For scheduled recording, see *Storage Settings → Schedule Settings.*



Delete	Delete the selected blue recording block on the timeline.
Delete All	Delete all blue recording blocks on the timeline.
Select All	Select all blue recording blocks.
Store	Store the recording settings on the timeline.

IV-3-2. Sound Detection

IV-3-2-1. Sound Detection

The network camera features a sound detection function and various options for (sound detection) events notification. When sound is detected, it is defined as an “event” and the camera will record for a specified length of time. You can set the camera to send this recording as a notification via email or FTP, and/or to local storage such as a NAS or MicroSD card inside the camera.

You can also set the camera to send a push notification for each event to a smartphone with EdiView II installed. You can view a 10 second recording of the event, which is automatically stored in the network camera’s memory, from the app’s “Events” menu.

Recordings stored automatically in the network camera are limited to 10 seconds and only a limited quantity can be stored. These recordings are separate from any recordings saved to local storage or sent via email/FTP, and will be overwritten as new recordings are created.

Sound Detection

Sound Detection : Enable Disable

Interval Time To Detect : 10 second

FTP / Email Notification

Upload Event File to FTP : Enable Disable

Send Event File to Email : Enable Disable

Video Recording Time : 10 second

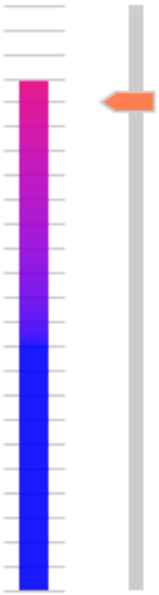
Save Video To Local Storage

Save Event Files to NAS or SD : Enable Disable

Video Recording Time : 5 Minute

Save settings

Sound Level



Save

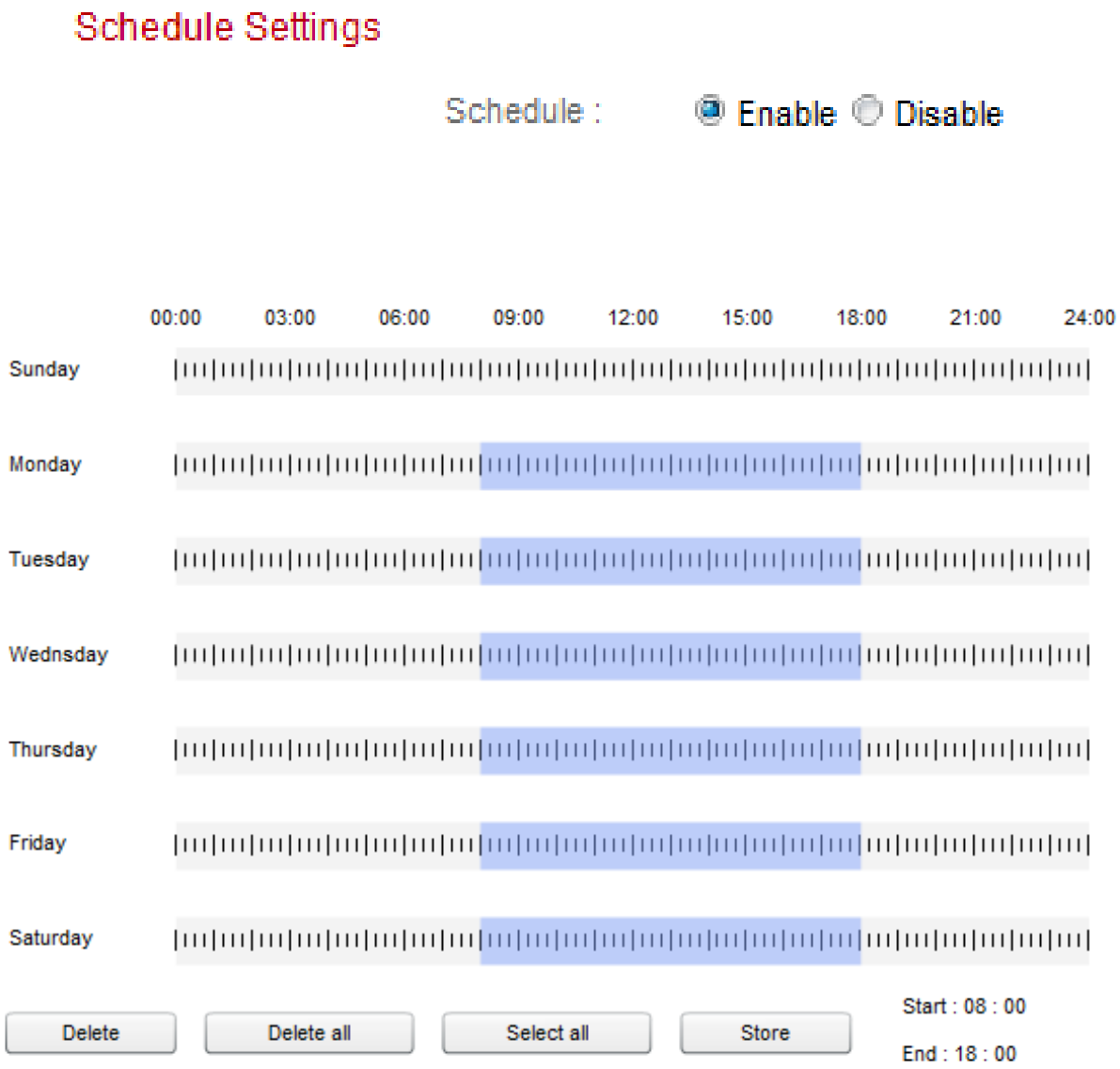
Motion Detection	Enable or disable the sound detection function of your network camera.
Interval Time To Detect	After sound is detected, the network camera will not detect sound again for this length of time. For example, using an “Interval Time To Detect” of 20 seconds means that after sound is detected, the camera will not detect any further sound for 20 seconds. Then after 20 seconds, the camera will detect sound again.
Upload Event File to FTP	A video recording of a detected event can be sent to a designated FTP server. Select “Enable” or “Disable” for this function. When enabled, you need to configure the FTP server information on the “FTP” page of the “Events → Notification” menu.
Send Event File to Email	A video recording of a detected event can be sent to a designated email recipient. Select “Enable” or “Disable” for this function. When enabled, you need to configure the SMTP server information on the “SMTP” page of the “Events → Notification” menu.
Video Recording Time	Specify the length of time for the email or FTP video recording here.
Save Event Files to NAS or SD	Enable or disable the camera’s function to save video files to NAS or MicroSD card. When enabled, you need to configure the settings in the “Storage Settings” menu.
Video Recording Time	Specify the length of time for the NAS or MicroSD video recording here.
Sound Level	Set the level of sound which will trigger a detection event. Adjust the slider up/down to your preferred sound level. The vertical display to the left of the slider indicates the current sound level picked up by the camera’s built-in microphone.

IV-3-2-2. Schedule Settings

The network camera's sound detection function can be scheduled to be active on/at specified times and days. Select "Enable" to enable this feature and then define which times the network camera's sound detection will be active using the table below.

For each day, click and drag across the timeline on the times which you want sound detection to be active. A blue box indicates a scheduled recording. In the example below, sound detection is scheduled for 8am – 6pm Monday to Saturday.

By default, the schedule may be full. Delete existing entries if necessary. For scheduled recording, see *Storage Settings → Schedule Settings.*

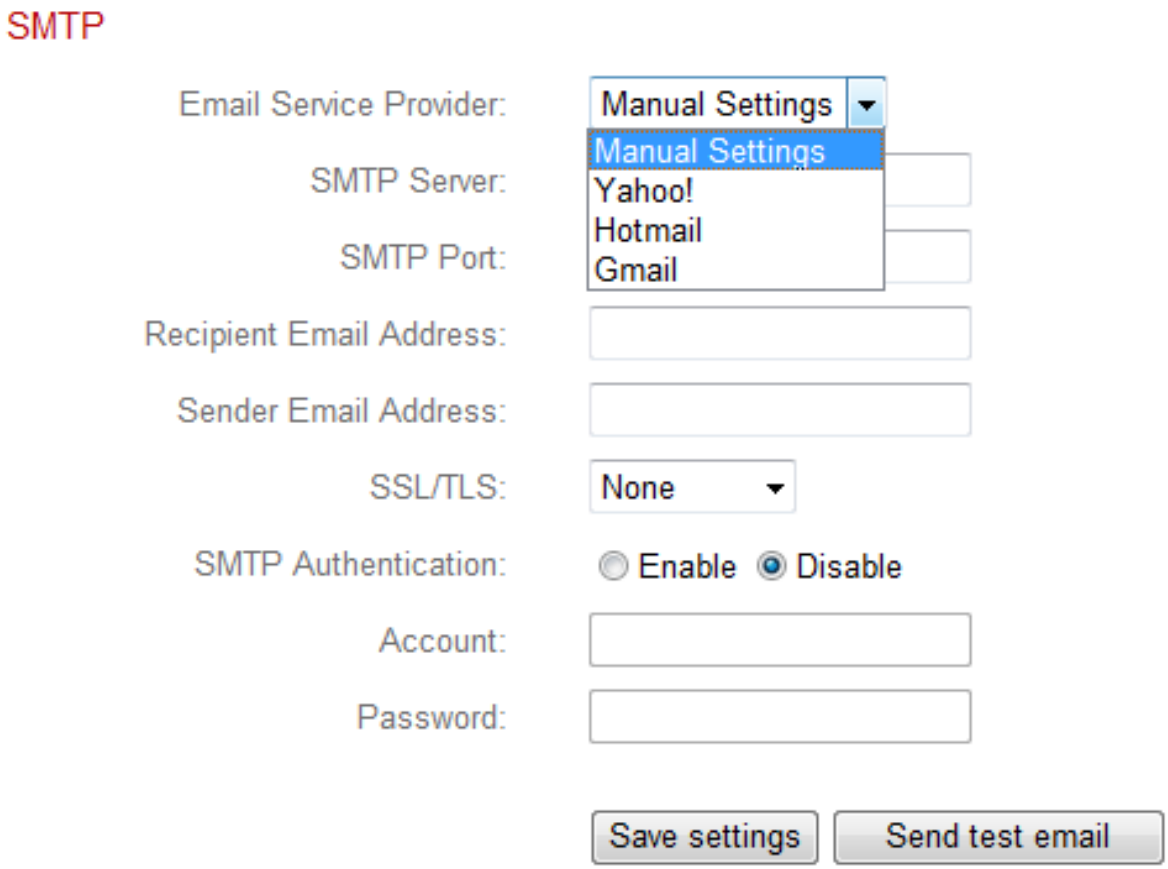


Delete	Delete the selected blue recording block on the timeline.
Delete All	Delete all blue recording blocks on the timeline.
Select All	Select all blue recording blocks.
Store	Store the recording settings on the timeline.

IV-3-3. Notification

IV-3-3-1. SMTP

Recordings of events (motion or sound detected) can be sent to a designated email recipient. This function must be enabled in “Motion Detection” or “Sound Detection” settings in the “Events” menu. Enter the required information about your sender and recipient email accounts as shown below.

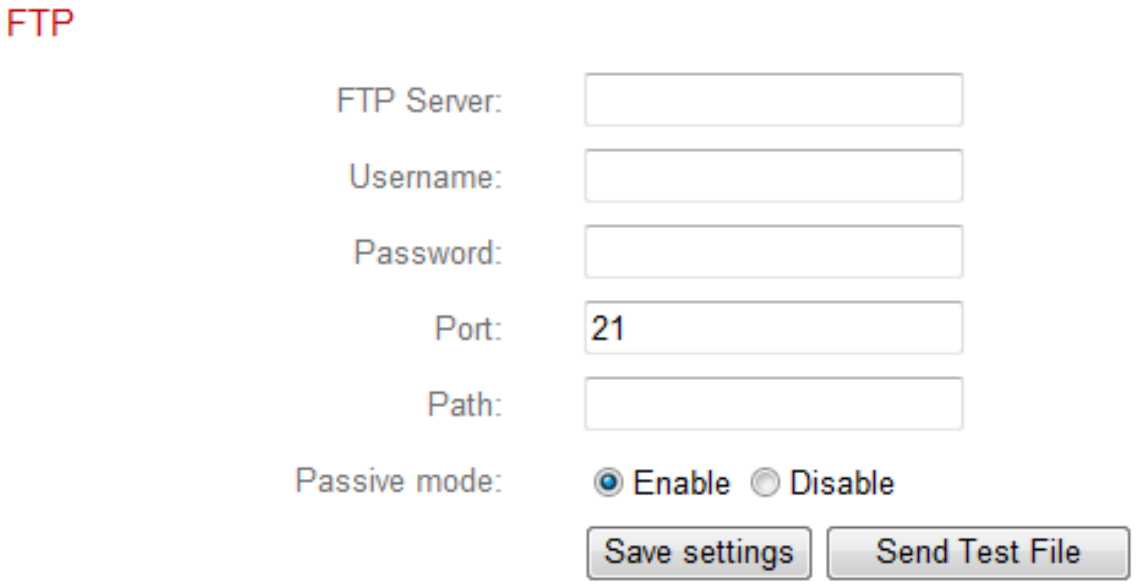


Email Service Provider	Select “Manual Settings” to enter the information manually or select a common email provider to enter some of the information automatically.
SMTP Server	Input the host name or IP address of the SMTP server for the email sender. This information can be provided by your email service provider.
SMTP Port	Input the SMTP port number for the email sender. Most SMTP servers use port number

	25, while some SMTP servers use encrypted connections with a port number of 465. This information can be provided by your email service provider.
Recipient E-Mail Address	Enter the email recipient's email address here.
Sender E-Mail Address	Enter the sender's email address here to avoid spam filter issues.
SSL/TLS	Select 'SSL or TLS' when your SMTP server requires encryption. Consult your mail server administrator when in doubt.
SMTP Authentication	Select 'Enable' when your SMTP server requires authentication. This information can be provided by your email service provider.
Account	Input the SMTP account name when your SMTP server requires authentication. This information can be provided by your email service provider.
Password	Input the password used for SMTP server authentication.
Send Test Email	Click here to send a test email with the current settings.

IV-3-3-2. FTP

Recordings of events (motion or sound detected) can be sent to a designated FTP server. This function must be enabled in “Motion Detection” or “Sound Detection” settings in the “Events” menu. Enter the required information about your FTP server as shown below.

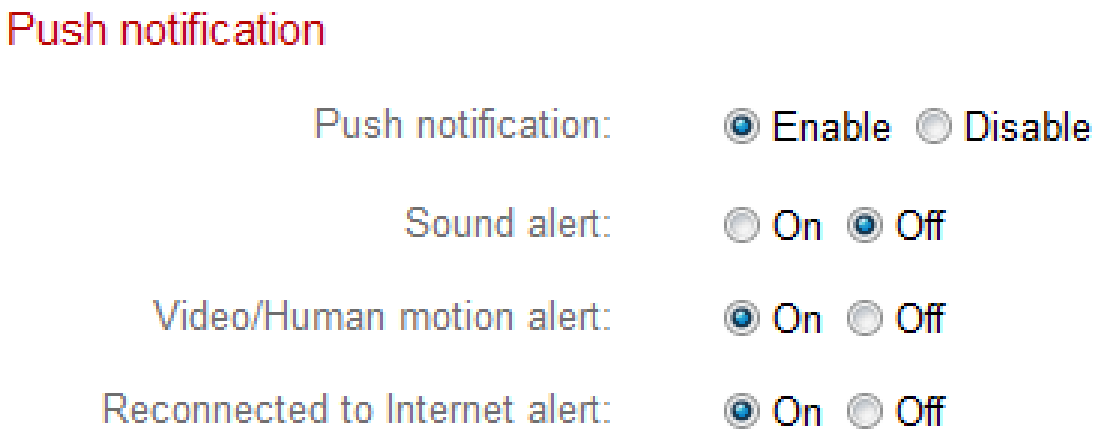


FTP Server	Enter the IP address or host name of the FTP server.
User Name	Enter the user name required by the FTP server.
Password	Enter the password of the FTP server.
Port	Enter the port number of the FTP server. This value should be an integer between 1 and 65535. Please don’t change this value unless advised by the FTP server’s administrator.
Path	Enter a path (folder) to save files on the FTP server. If blank, files will be saved in the FTP server’s default root folder.
Passive mode	Enable or disable passive mode according to your FTP server.

IV-3-3-3. Push

The network camera can send push notifications to your smartphone if you have the EdiView II app installed. Push notifications can be sent based on motion detection and sound detection events, and also when your camera reconnects to the Internet after a disconnection.

Reconnection alerts are sent when the camera actually reconnects to the Internet, not when a disconnection occurs.



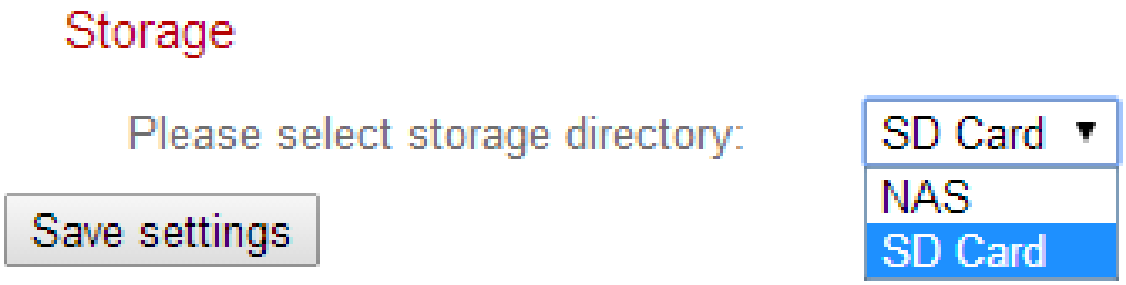
Push notification	Enable or disable push notifications.
Sound alert	Switch push notifications for sound detection events on or off.
Video/Human motion alert	Switch push notifications for motion detection events on or off.
Reconnected to Internet alert	Switch push notifications for Internet reconnection on or off.

IV-4. Storage Settings

The “Storage Settings” menu enables you to configure the settings for local storage of motion or sound detection events/recordings. You can also configure scheduled recording.

IV-4-1. Storage Directory

The network camera can store recordings of motion and sound detection events to local storage: NAS or MicroSD. Select your storage location and click “Save settings”.



A MicroSD card must be installed in the network camera to use this function.

Configure the settings for your NAS or MicroSD card in the *“NAS Settings”* ***or*** *“SD Card Settings”* ***menu respectively.***

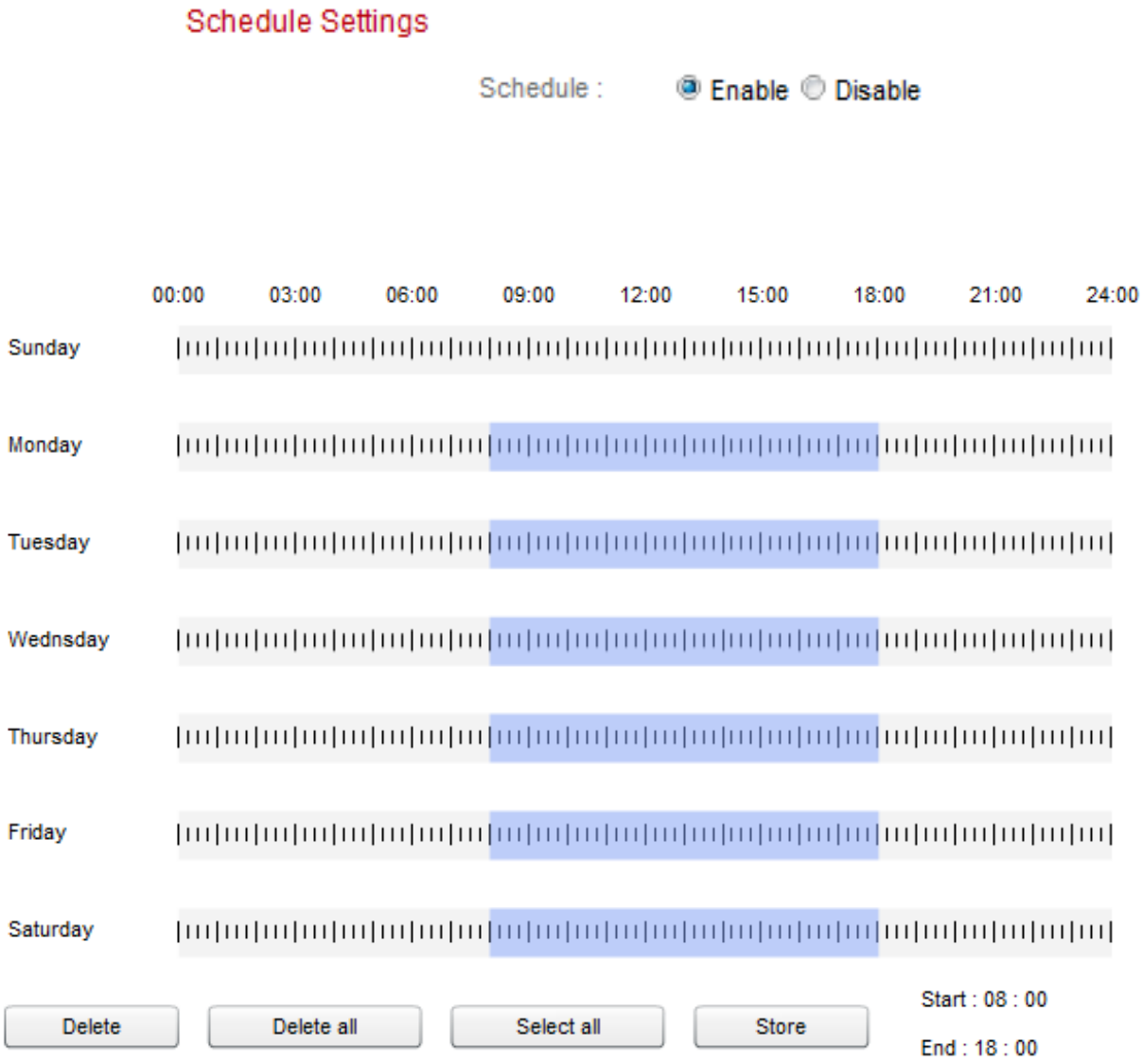
IV-4-2. Schedule Settings

The network camera can be scheduled to record automatically at/on specified times and days. Select “Enable” to enable this feature and then define at which times the network camera will record using the table below.

For each day, click and drag across the timeline on the times which you want to record. A blue box indicates a scheduled recording. In the example below, recording is scheduled for 8am – 6pm Monday to Saturday.

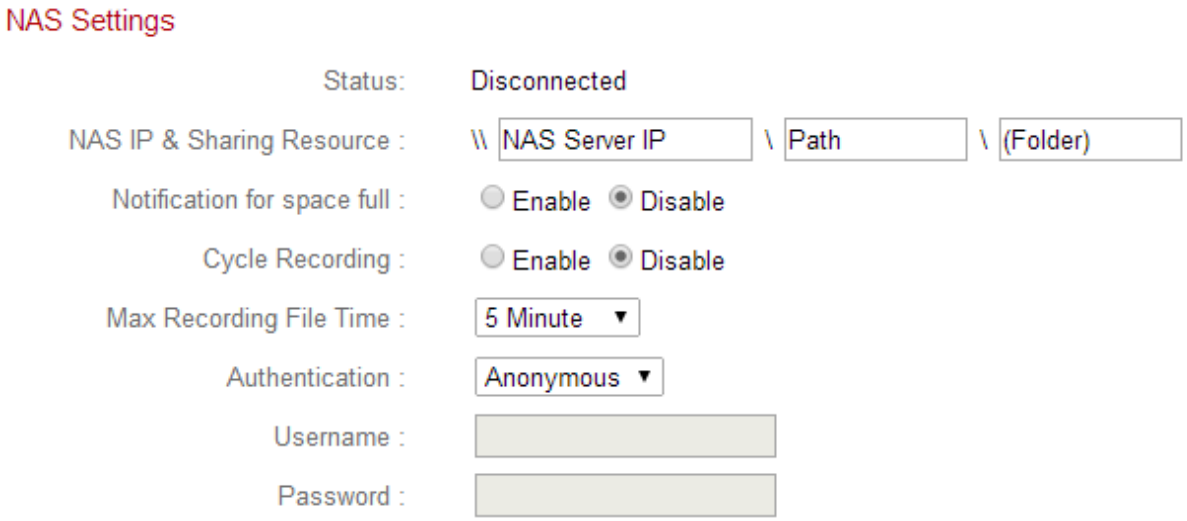
By default, the schedule may be full. Delete existing entries if necessary.

To set the limit for individual file sizes for scheduled recording, go to** Storage Settings → NAS Settings **or** SD Card Settings **depending on your storage location.



IV-4-3. NAS Settings

If using a NAS server for local storage, configure the settings on this page according to your NAS.



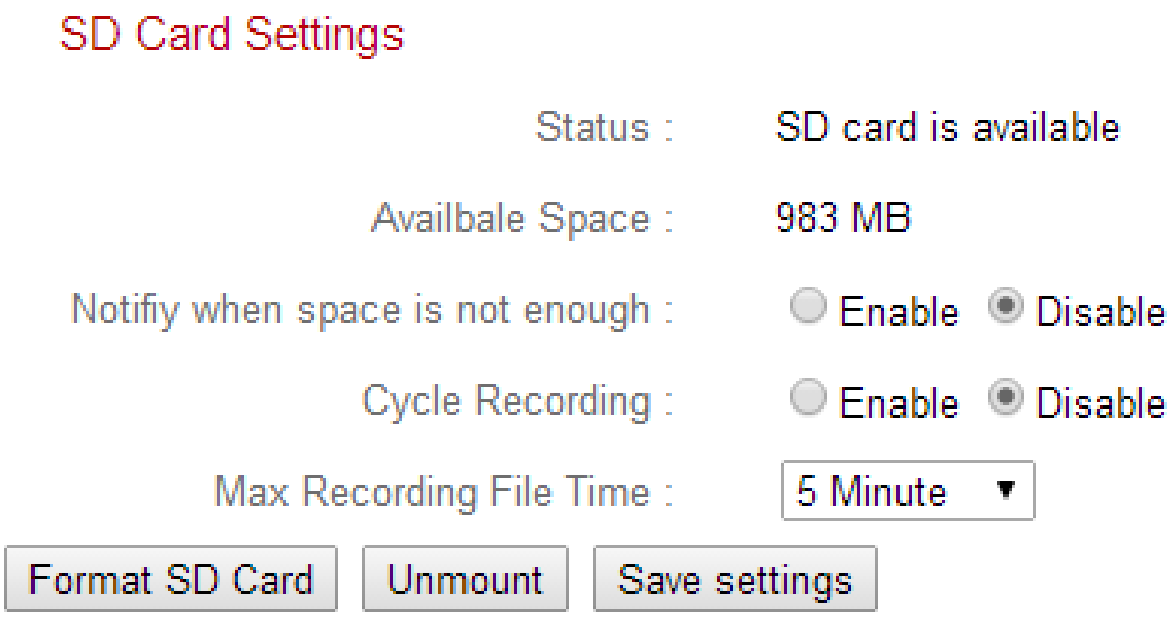
Status	Displays the status (connected or disconnected) of your network camera and NAS server.
NAS IP & Sharing Resource	Enter the local IP address of your NAS and the path of a shared folder to store your network camera's recordings.
Notification for space full	Enable or disable email notifications when your storage space is full.
Cycle Recording	Enable or disable cycle recording. When enabled, cycle recording will overwrite the earliest recordings when the storage space becomes full. When disabled, recording will stop when storage is full.
Max Recording File Time	Set the maximum recording time for each file. This applies to scheduled recordings only. For motion or sound detection recording file times, refer to "Events → Motion/Sound Detection".
Authentication	Select "Account" and enter the username and password in the fields below if your NAS server requires authentication. Select

	“Anonymous” if no authentication is required.
Username	Enter the username if “Account” is selected above.
Password	Enter the password if “Account” is selected above.

IV-4-4. SD Card Settings

The “Basic” menu enables you to set the camera’s name and administrator password, as well as switch the LED(s) on/off according to your preference.

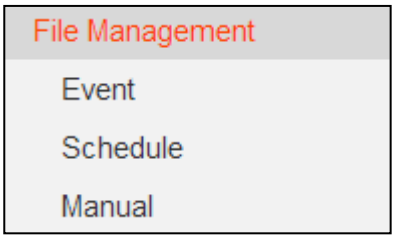
Unmount your MicroSD card using the “Unmount” button before removing the card from your network camera.



Status	Displays the MicroSD card status of your network camera: available or unavailable.
Available Space	Displays the available space on the MicroSD card in your network camera.
Notify when space is not enough	Enable or disable email notifications when your storage space is full.
Cycle Recording	Enable or disable cycle recording. When

	enabled, cycle recording will overwrite the earliest recordings when the storage space becomes full. When disabled, recording will stop when storage is full.
Max Recording File Time	Set the maximum recording time for each file. This applies to scheduled recordings only. For motion or sound detection recording file times, refer to "Events → Motion/Sound Detection".
Format SD Card	Click to format your MicroSD card. This will erase all data on your MicroSD card.
Unmount	Click to unmount your MicroSD card from the network camera. This is recommended before removing the MicroSD card from the camera.

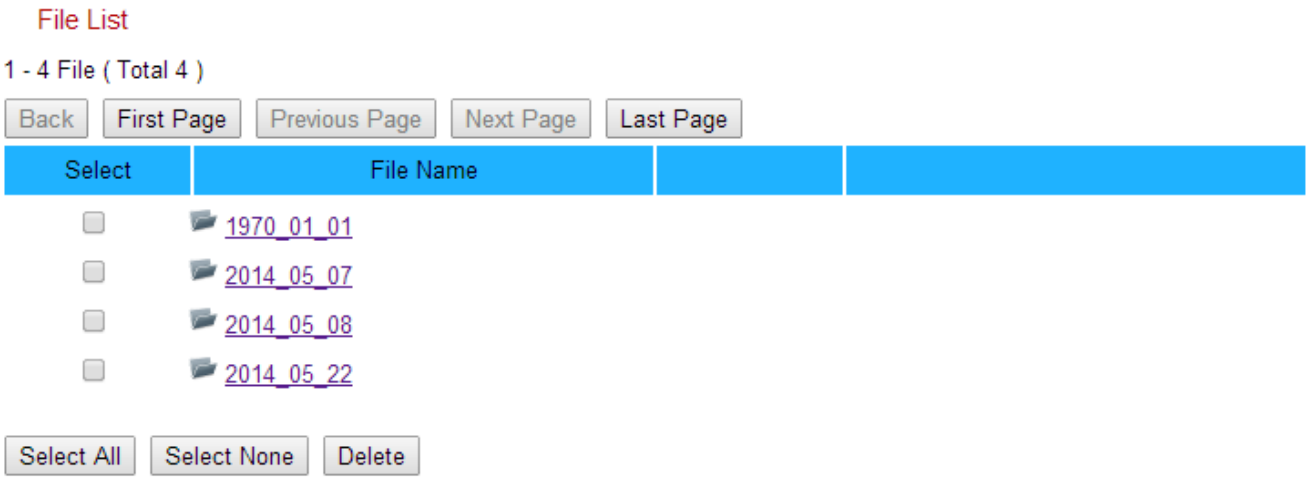
IV-4-5. File Management



The file management tool enables you to browse, download and delete recording files on your MicroSD card. Files are grouped according to the following categories:

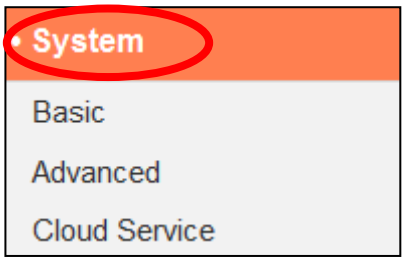
Event: Recordings from motion or sound detection events are displayed here.
Schedule: Recordings from scheduled recording are displayed here.
Manual: Manual recordings are displayed here.

Select Event, Schedule or Manual and use the file browser to navigate. Folders are organized by date, and then grouped chronologically beginning with 001. Individual file names consist of the date and time of the recording, plus the type of recording e.g. PIR Event for PIR (Passive infrared sensor) motion detection events.



Back	Go back to the previous page in the file browser.
First Page	Go back to the first page in the file browser.
Previous Page	Go back to the previous page in the file browser.
Next Page	Go to the next page in the file browser.
Last Page	Go to the last page in the file browser.
Select All	Select all files or folders visible in the file browser.
Select None	Deselect all selected files or folders.
Delete	Delete selected files or folders.

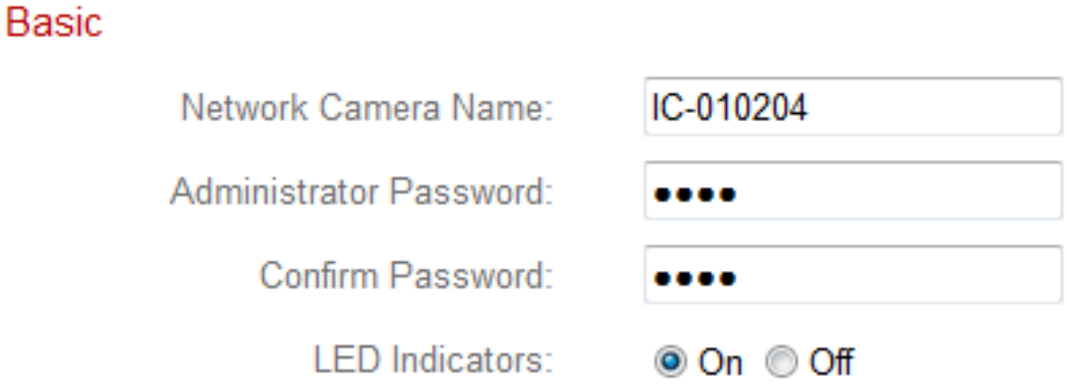
IV-5. System



The “System” menu consists of three categories, “Basic”, “Advanced” and “Cloud Service”. Select a category and follow the appropriate chapter for more information.

IV-5-1. Basic

The “Basic” menu enables you to set the camera’s name and administrator password, as well as switch the LED(s) on/off according to your preference.



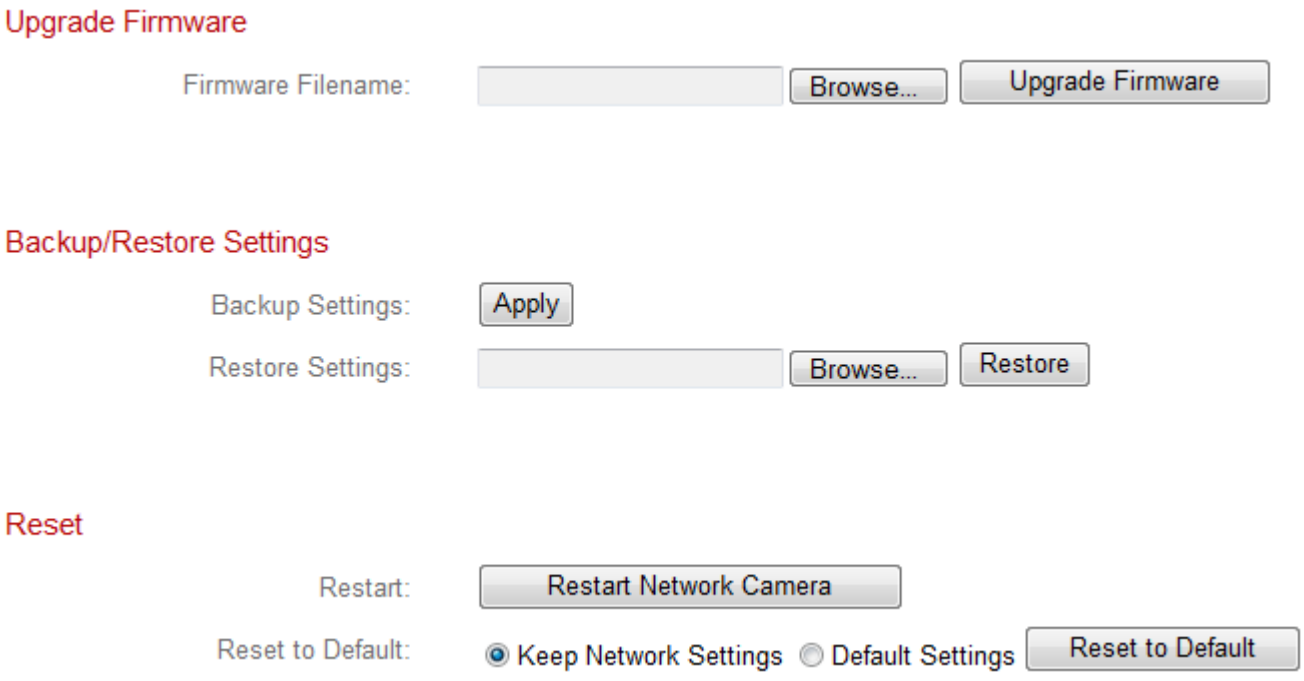
Network Camera Name	Set the name of the network camera for reference/identification purposes. This is especially useful when managing multiple network cameras.
Administrator Password	Enter your desired administrator password here. This is the password used to log into the camera with the “admin” account.
Confirm Password	Confirm your desired administrator password here.
LED Indicators	Select “On” or “Off” to switch the network camera’s LED(s) on or off. Switching off the LEDs can be a power saving measure or can be for security purposes, so that anybody who can see the network camera is unaware

	if the camera is active.

IV-5-2. Advanced

The “Advanced” page allows you to upgrade the network camera’s firmware, backup or restore the network camera’s settings, and reset or restart the network camera. Please check the Edimax website for the latest firmware for your network camera.

Do not switch off or disconnect the device during a firmware upgrade, as this could damage the device.



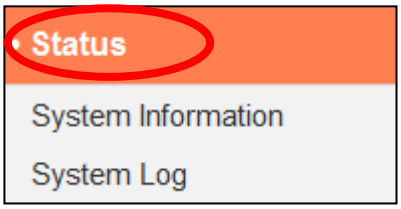
Firmware Filename	Click “Browse” to locate the firmware file on your computer.
Upgrade Firmware	Click to upgrade the firmware to your selected file.
Backup Settings	Click “Apply” to save the current settings on your computer as config.bin file.
Restore Settings	Click “Browse” to find a previously saved config.bin file and then click “Upload” to replace your current settings.
Restart	Click “Restart Network Camera” to restart the

	network camera. Please wait a couple of minutes for network camera to boot up after a restart. Restarting will not affect the camera's current configuration.
Reset to default	Select "Keep Network Settings" or "Default Settings" and then click "Reset to Default". When the camera resets, "Keep Network Settings" will reset all settings but keep the current network settings. The network camera's IP address will remain the same. "Default Settings" will reset all of the camera's settings, including network settings, back to the factory default status.

IV-5-3. Cloud Service

Edimax Plug & View is a function to allow you to view your network camera remotely via a cloud server (see **V. Myedimax.com**). You can enable or disable this feature here.

IV-6. Status



The “Status” menu provides important information about the status of the network camera. This information is useful for troubleshooting purposes or for network configuration.

IV-6-1. System Information

A summary of system-wide information about the network camera is displayed on this page, displayed under four categories: System, LAN, Wireless LAN and IGD (UPnP Port Forward).

System

Firmware Version :	v1.02 (May 20 2014 11:35:00)
Activex Version :	v1.0.0.31
Device Uptime :	3 hours 4 min 57 sec
System Time :	2014/05/22 06:31:50

LAN

IP Address :	192.168.2.101
Subnet Mask :	255.255.255.0
Gateway :	192.168.2.1
DNS Server 1 :	192.168.2.1
DNS Server 2 :	0.0.0.0
MAC Address :	00:11:09:01:02:04
HTTP Port :	80

Wireless LAN

Link Status :	Connected
SSID :	Matt
Channel :	2
Encryption :	WPA2 PSKAES
Access Point MAC Address :	00:E0:4C:81:96:C1

PPPoE

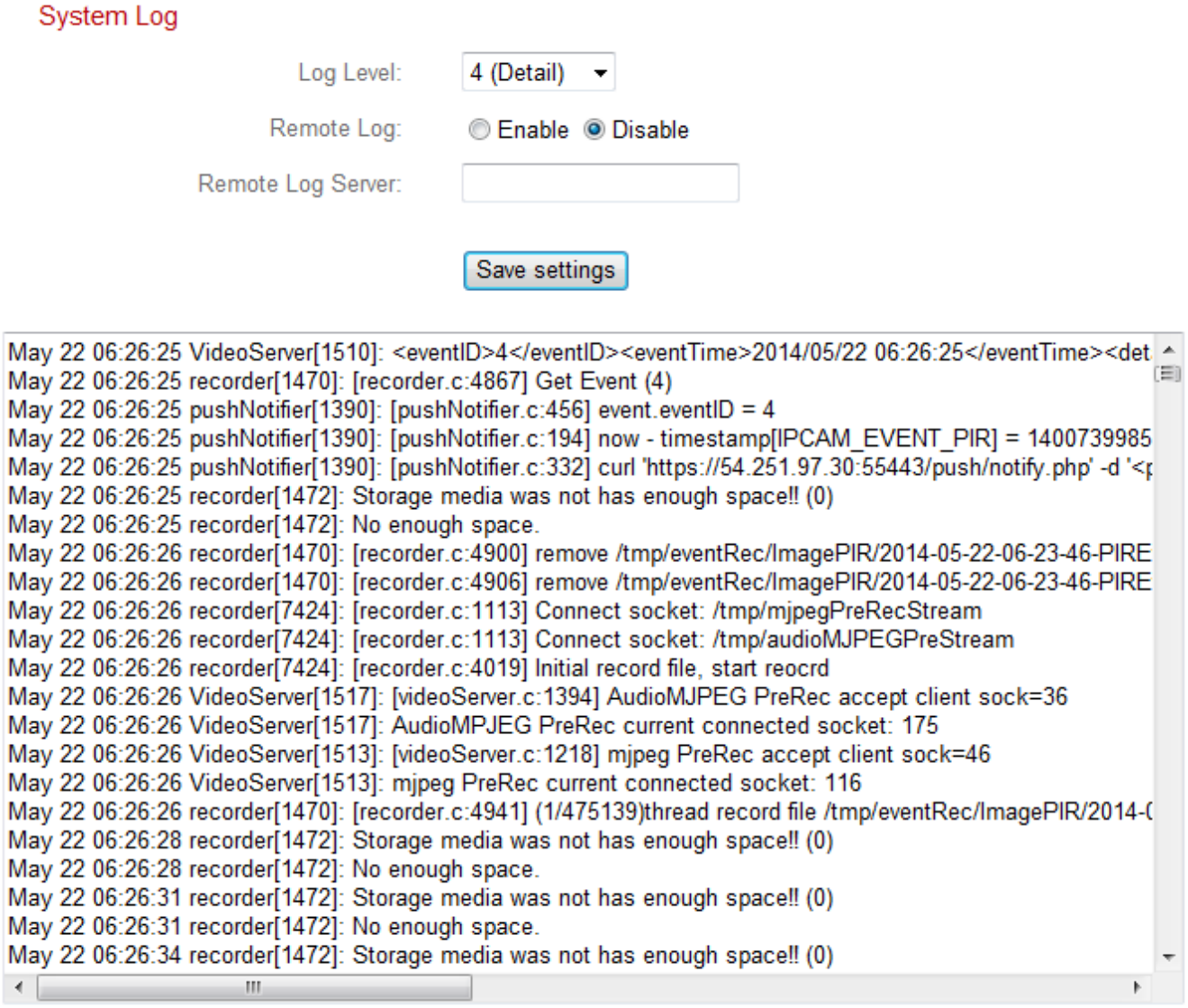
Link Status :	Disconnected
IP Address :	
Subnet Mask :	
Gateway :	
DNS Server 1 :	
DNS Server 2 :	

IGD (UPnP Port Forward)

Link Status :	Can not find device with UPNP IGD support
External IP Address :	
External HTTP Port :	
External RTSP Port :	

IV-6-2. System Log

A system log provides information about the network camera's usage and actions. The system log can also be sent to a remote server for archiving.



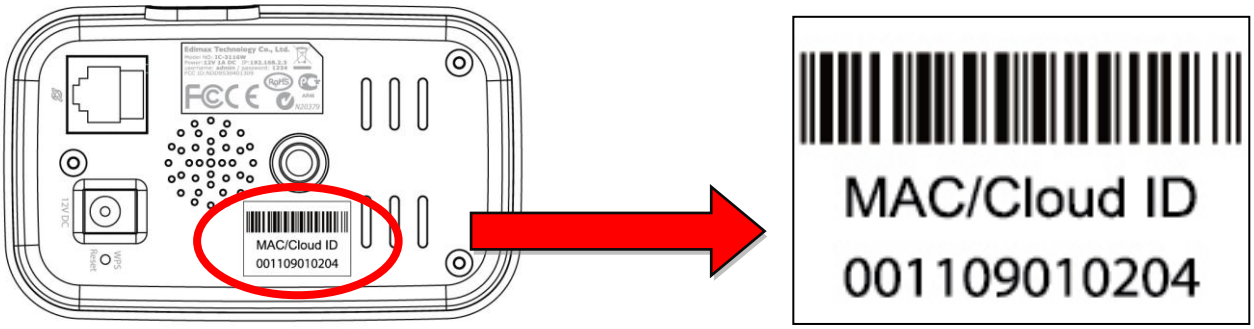
Log Level	Select a level of detail for the log from the dropdown list, from 0 - 4. 0 (minimum) will only log critical information, while 4 (maximum) will log everything.
Remote Log	Enable or disable the network camera's remote log function, to send the log to a remote server for archiving. The network camera supports syslog log servers.
Remote Log Server	Enter the IP address or host name of the log server you wish to use.

V. Myedimax.com

You can use your network camera's Myedimax.com cloud ID to monitor your camera remotely using a web browser from any Internet connection. The network camera's **green** LED must display **on** to indicate a successful cloud connection, in order for this function to work.

1. Identify your network camera's cloud ID. The cloud ID is displayed in EdiView Finder (see **III-2. EdiView Finder**) and on the product label on the back of the network camera (see **I-6. Product Label**).

The cloud ID is a string of 12 characters consisting of numbers 0 – 9 and letters A – F which is unique to your network camera.

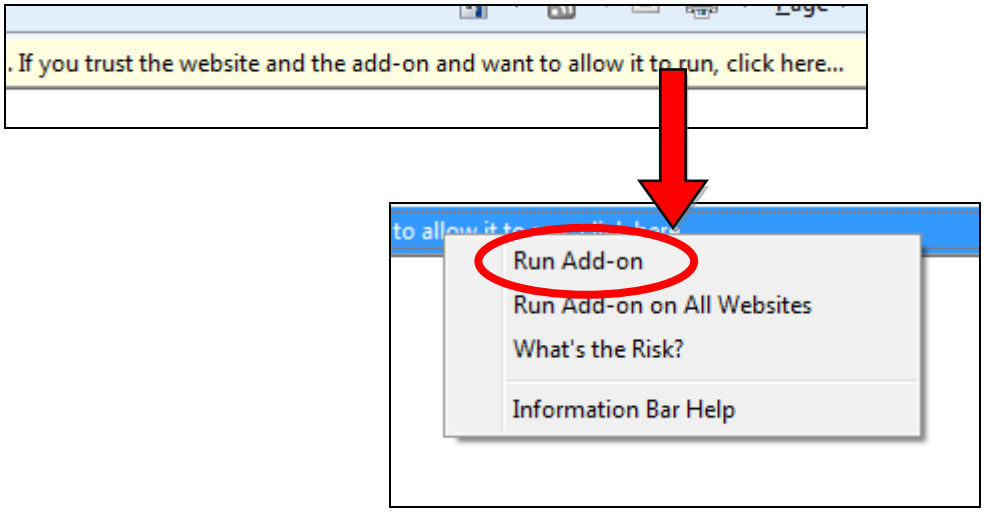


2. Enter ***cloudID.myedimax.com*** into the URL bar of a web browser.

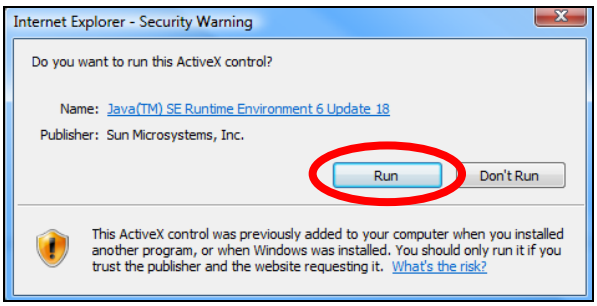
For example, if your cloud ID is ***001109010204*** then enter ***001109010204.myedimax.com*** into your web browser.

Internet Explorer is recommended.

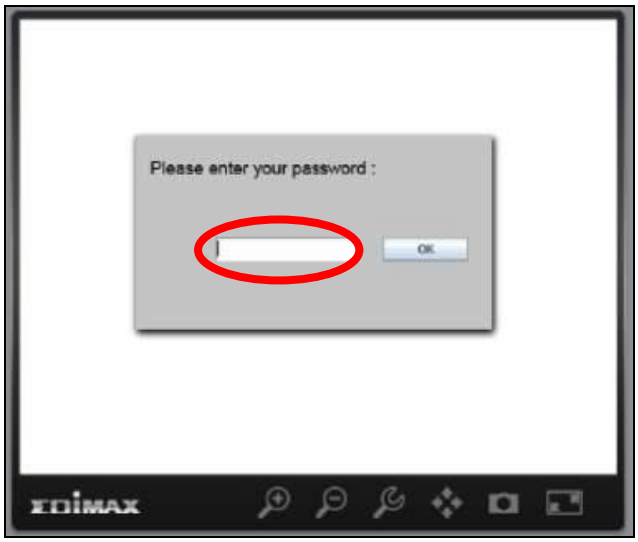
3. You may be prompted to allow a Java add-on to run. Please click the message where it says "click here" and then click "Run Add-on".

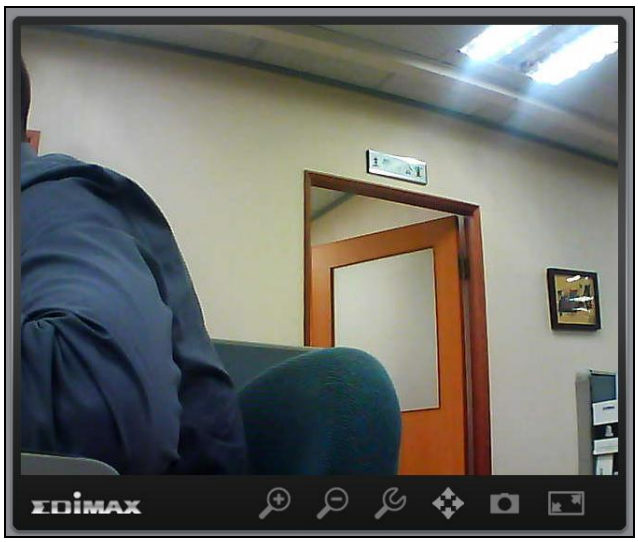


If any other security warnings/prompts appear, please select "Run" or "Allow" or similar, depending on your browser.



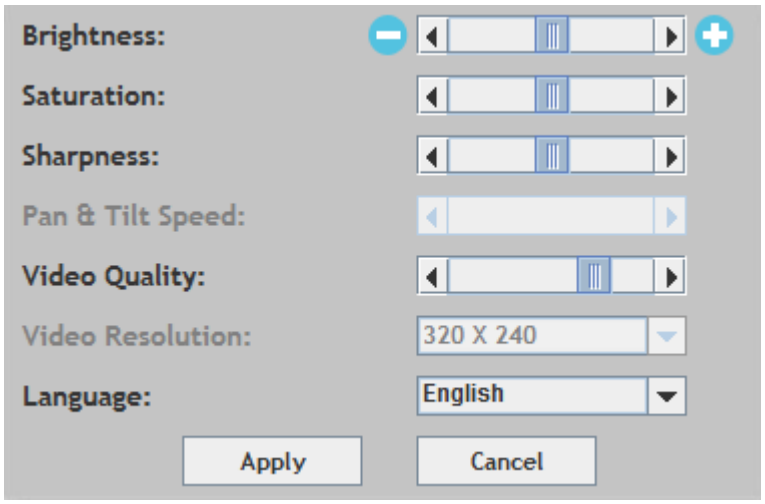
4. Enter your camera's password (default password: *1234*) and click "OK" to see a live stream from your network camera.





5. The network camera can be operated and configured using the icons in the toolbar located below the image.

To configure the network camera, click  to show the configuration menu window:



6. Use the slider controls to change the image brightness, saturation, sharpness, video quality and pan & tilt speed. Use the dropdown lists to change the video resolution and operating language, and click “Apply” when finished.

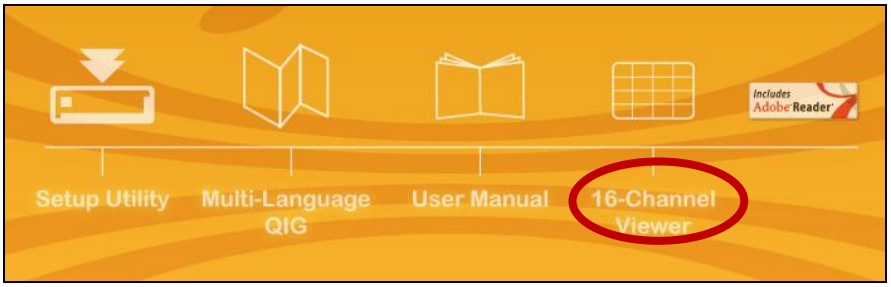
VI. 16 Channel Viewer for Windows

The included 16 channel viewing software provides powerful access to your network camera's functions, along with the capability to view and manage up to 16 network camera simultaneously.

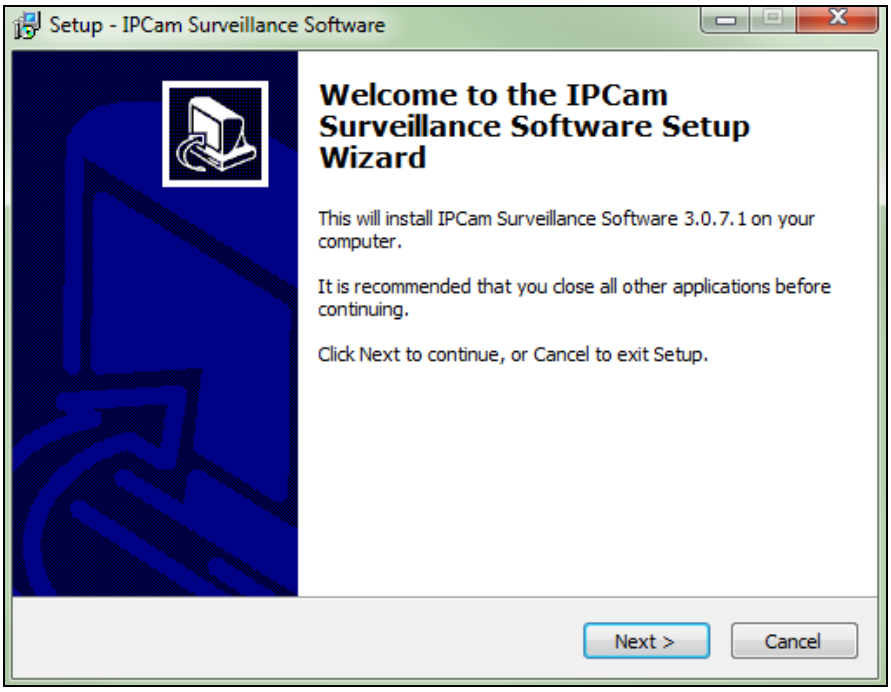
VI-1. Installation

1. Insert the included CD into your CD-ROM drive and if the setup utility does not automatically open, please locate and open the "Autorun.exe" file in the "Autorun" folder.

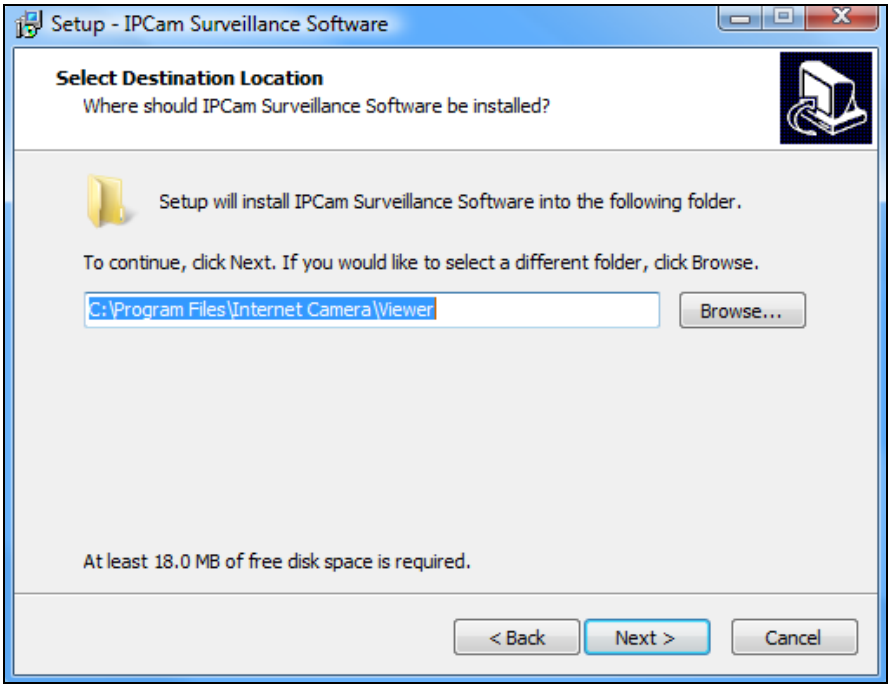
2. Click "16 Channel Viewer" to install the EdiView Finder software utility.



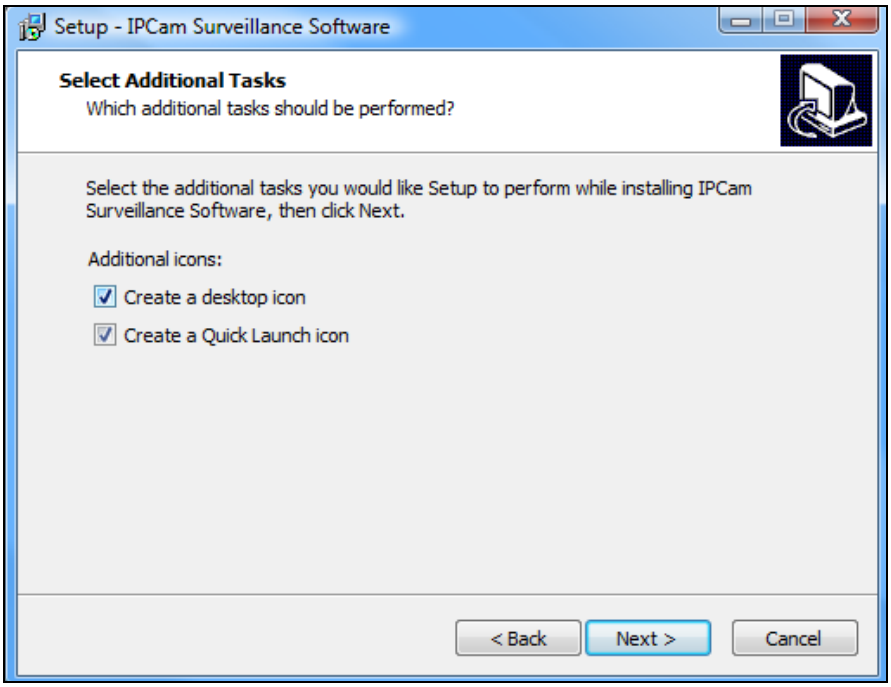
3. Click "Next" and follow the on-screen instructions to install the 16 channel viewer software.



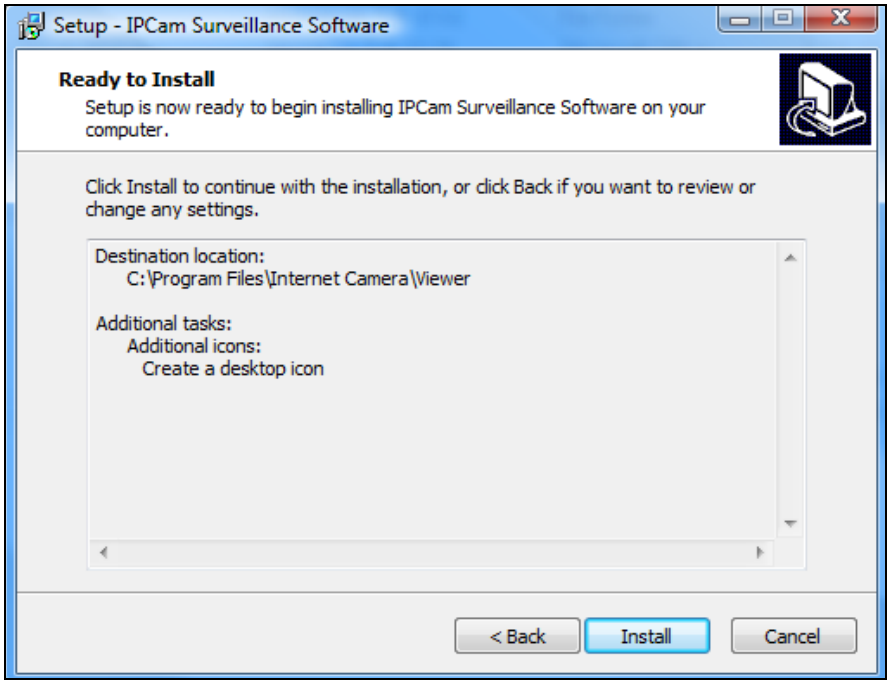
4. Check the installation location and click ‘Next’ to continue.



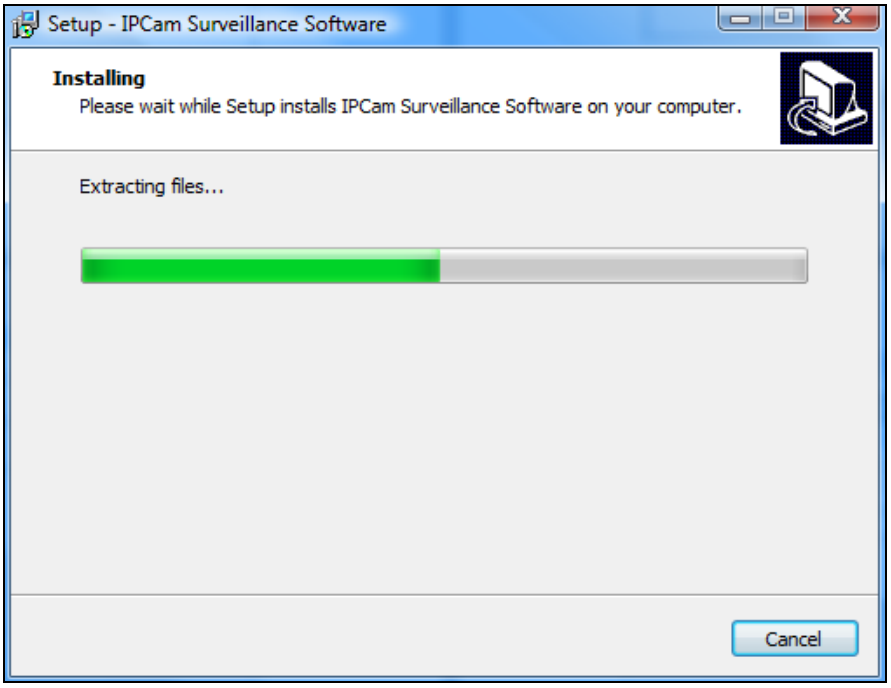
5. Click “Next” to continue.



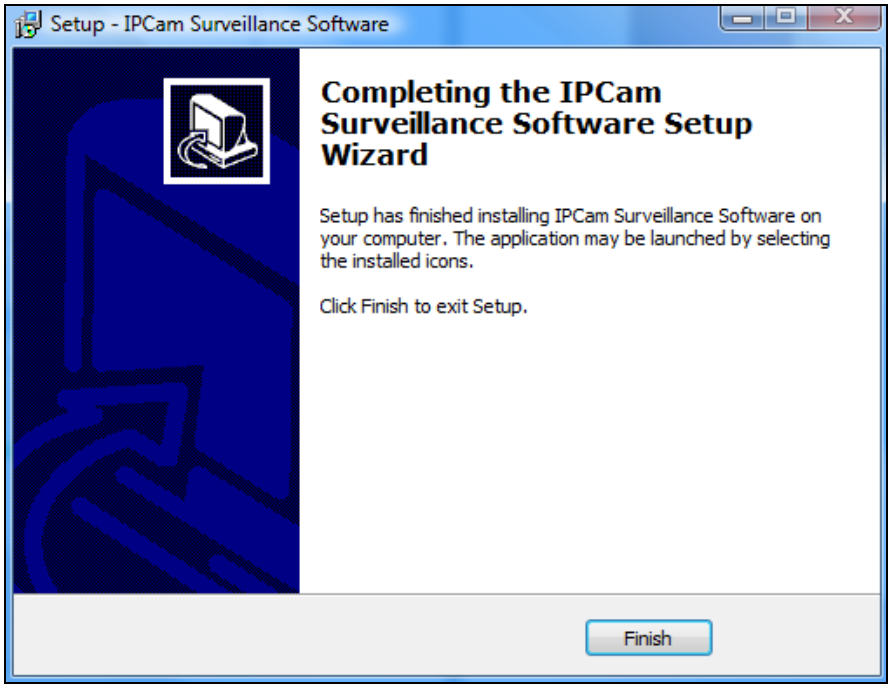
6. A summary of your installation will be displayed. Please check everything is correct and click “Install” to begin the installation.



7. Please wait a moment for the installation to complete.



8. Click “Finish” and then double click the “IPCam Surveillance Software” icon on your desktop to open the software.

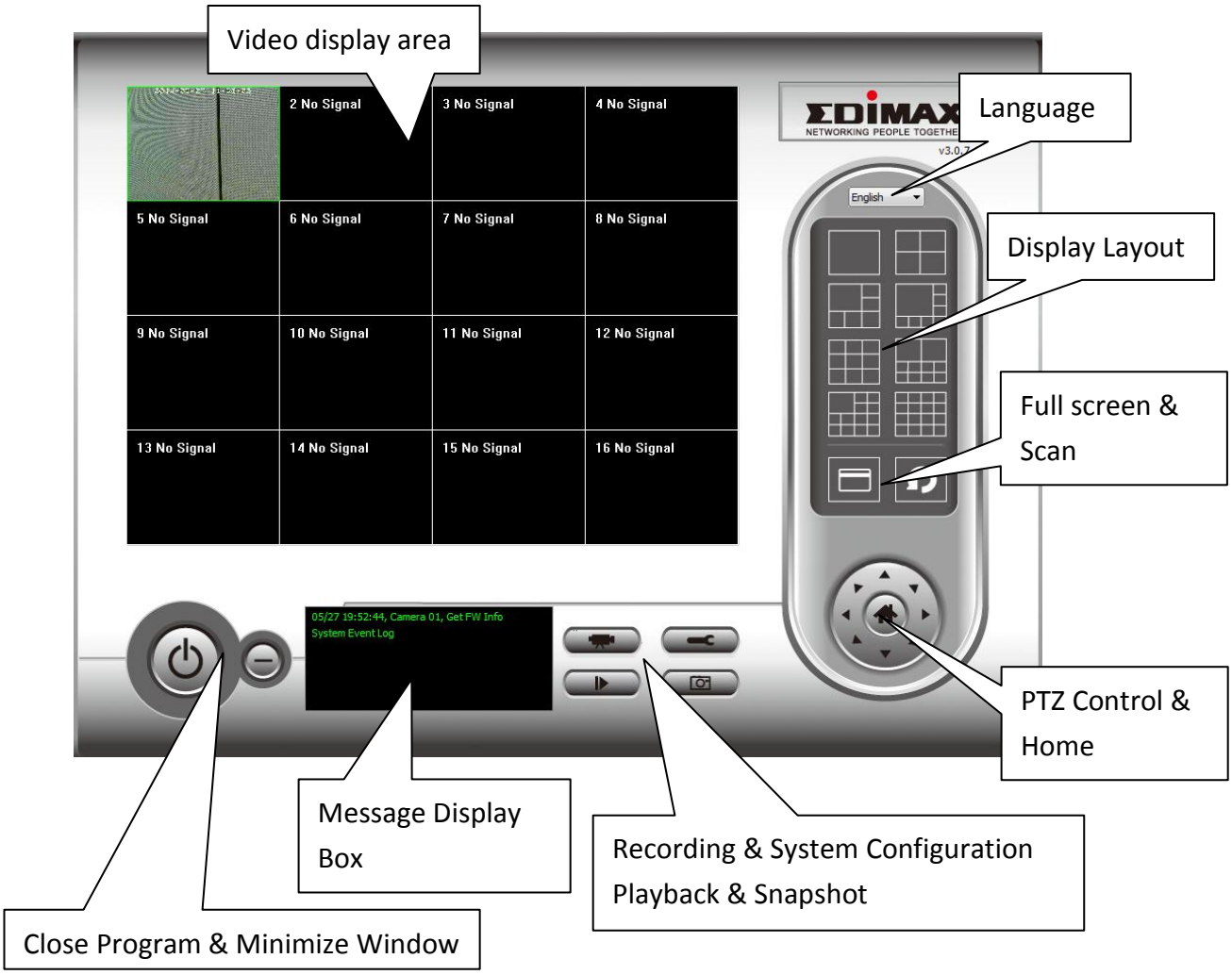

Setup - IPCam Surveillance Software
Completing the IPCam Surveillance Software Setup Wizard
Setup has finished installing IPCam Surveillance Software on your computer. The application may be launched by selecting the installed icons.
Click Finish to exit Setup.
Finish

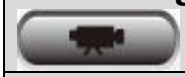

IPCam Surveillance Software

VI-2. Using the 16 Channel Viewer

Your monitor's resolution must be "1024 x 768" for the 16 channel viewer to work properly. Please set your monitor's resolution to "1024 x 768".

The main screen of the 16 channel viewer is described below:



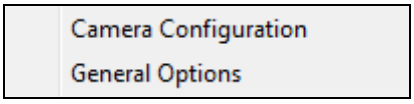
Video display area	A live image of up to 16 connected cameras will be displayed in this area.
Language	Select a language from this dropdown menu to change the display language.
Display layout 	Change camera image display layout (click a layout icon to change camera display layout). There are 8 kinds of display layouts available.
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 network camera surveillance software will switch through the images of all connected camera automatically. Click this button once to activate the scan function (scan icon will become blue), click again to stop scanning (scan icon will become white).
PTZ control 	There are 8 directions in the Pan Tilt Zoom (PTZ) control ring. If the camera you connect to supports PTZ, you can use the PTZ control ring to change the direction that the camera faces. 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.
System Configuration 	Camera configuration and general options.
Playback 	Play back a recorded video file. A new window will open to locate recorded files.
Snapshot	Take a snapshot of current the camera image.

	
Message display	Displays all system messages.
Close window (stop surveillance) 	Terminates network camera surveillance software.
Minimize window 	Minimizes network camera surveillance software window.

VI-3. Configuring the 16 Channel Viewer

VI-3-1. Add Camera/Camera Configuration

In order to use the 16 channel viewer software, you must configure/add each camera(s) that you wish to connect. Please click the wrench icon ( ) and a popup menu will appear:

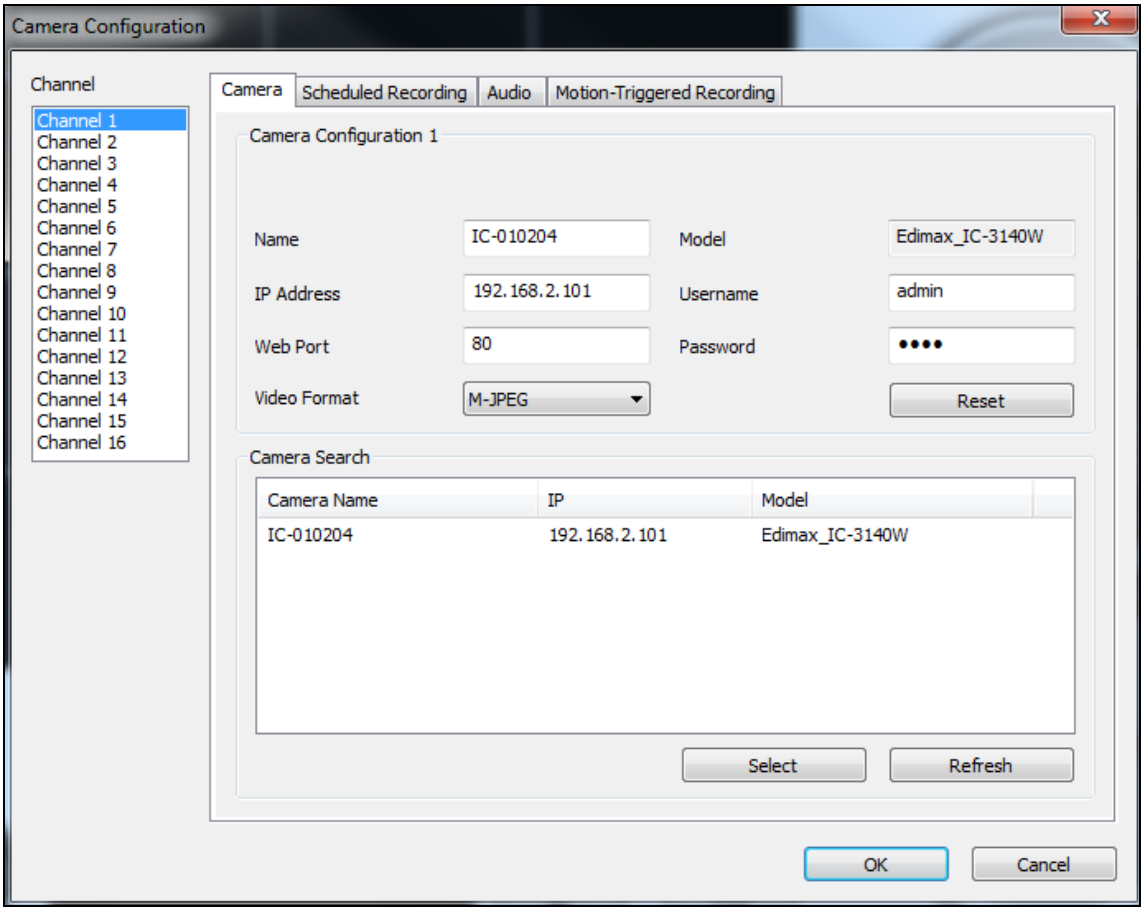


Please select “Camera Configuration” to configure/add cameras:

Please select “Unblock” if you are prompted by Windows Security Alert that “IPCamViewer” has been blocked, or similar.

VI-3-1-1. Camera

In the “Camera Configuration” tab you can add and configure all the cameras you wish to connect to the viewer software. To connect a camera to the viewer software, you need to enter the required information in the “Camera Configuration” box. You can do this automatically by selecting your camera listed in the “Camera Search” box and clicking “Select” (recommended) or you can enter the information manually.



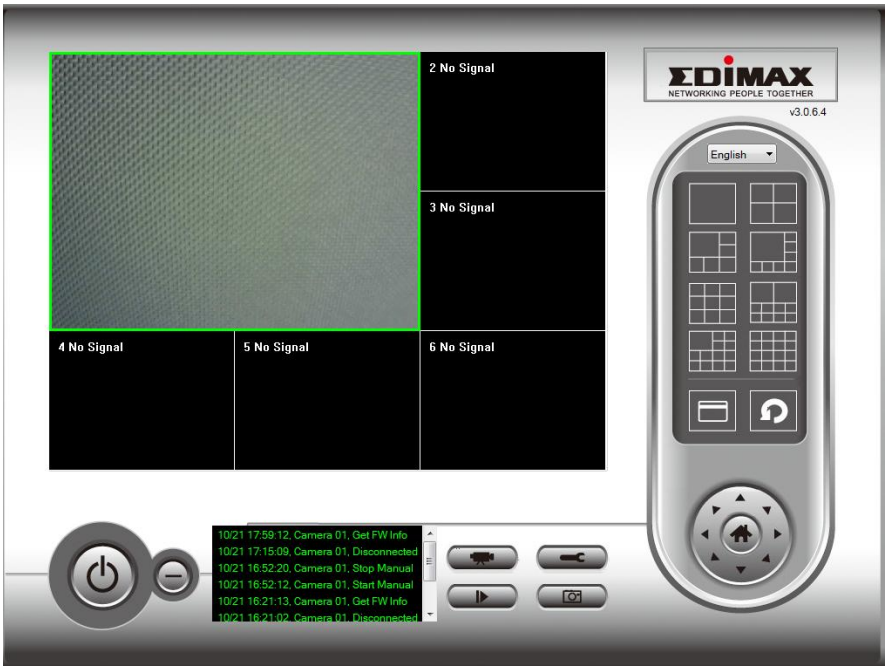
All of the information required to add your network camera can be completed automatically by selecting your camera listed in the “Camera Search” box and clicking “Select”.

Channel	Select the channel number you wish to use.
Camera Search	All cameras found on your local network will be displayed in the “Camera Search” box.
Select	Select a camera listed in the “Camera Search” box, and click the “Select” button to automatically enter the required information

	to connect the selected camera in the “Camera Configuration” box.
Refresh	Refresh the list of cameras on your local network.
Name	Enter a reference name for the camera here. The default name is the first 6 characters of the camera’s MAC address. The camera name can be used to easily identify its location for example.
Model	Displays the model of the selected camera.
IP Address	Input the IP address of the camera.
Username	Input the user name of the camera.
Web Port	Input the web port of the camera. The default value is“80”.
Password	Input the password of the camera. The default password is “1234”. If you changed the password of the selected camera, enter the new password.
Video Format**	Select the video encoding format of this camera (MJPEG or H.264).
Reset	Clear all fields in the ‘Camera Configuration’ section.

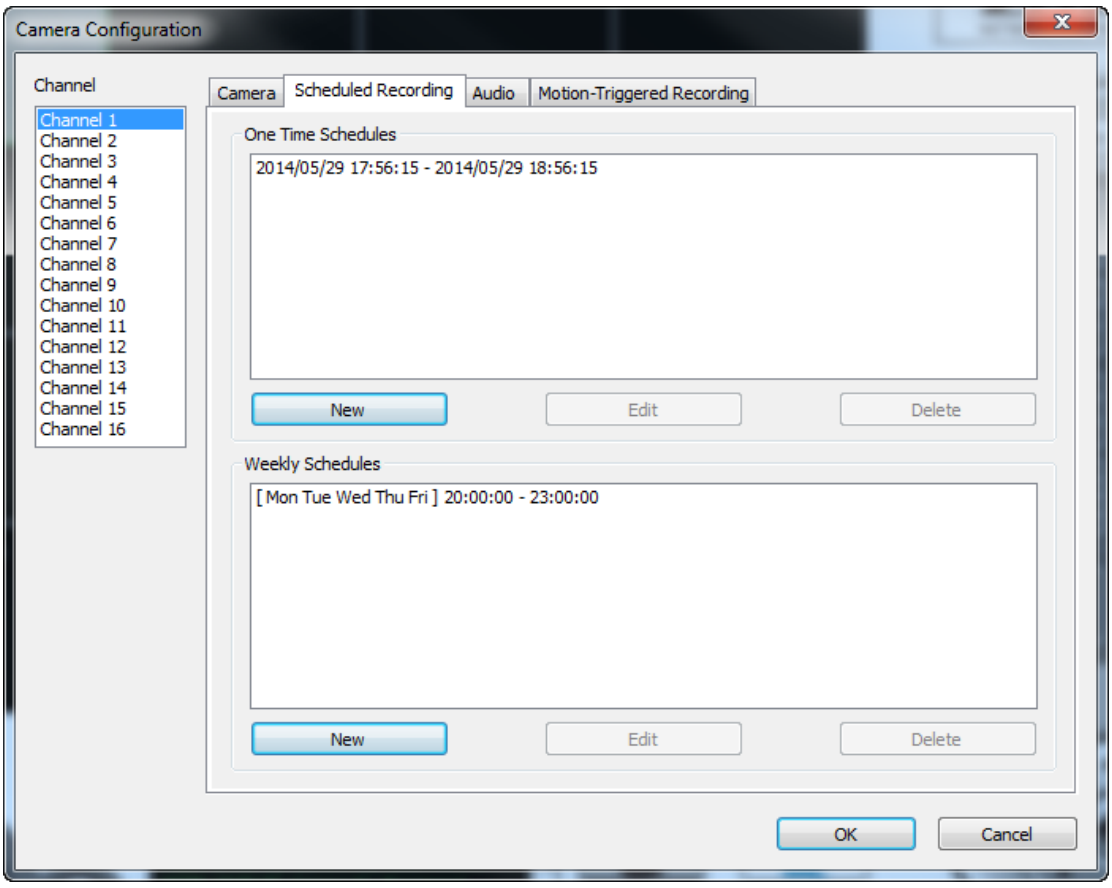
** Only available for cameras which support this function.

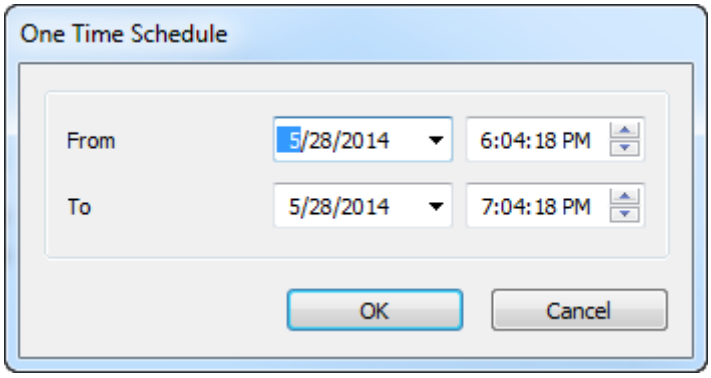
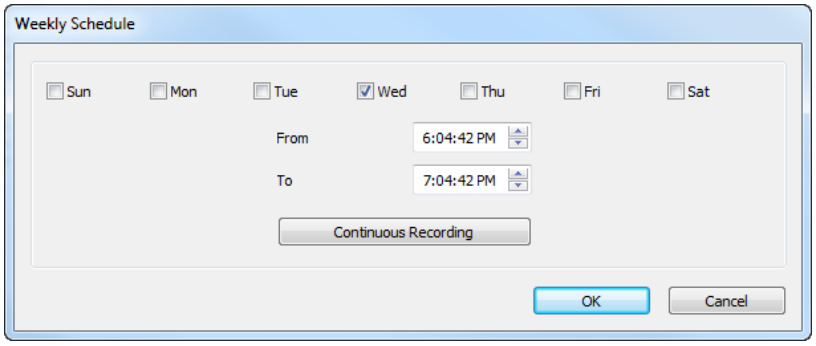
Click “OK” to save the settings and your network camera’s image will be displayed in your selected channel on the 16 channel viewer’s main screen:



VI-3-1-2. Scheduled Recording

You can schedule your network camera(s) to record automatically according to weekly schedules, or unique “one-time” schedules.

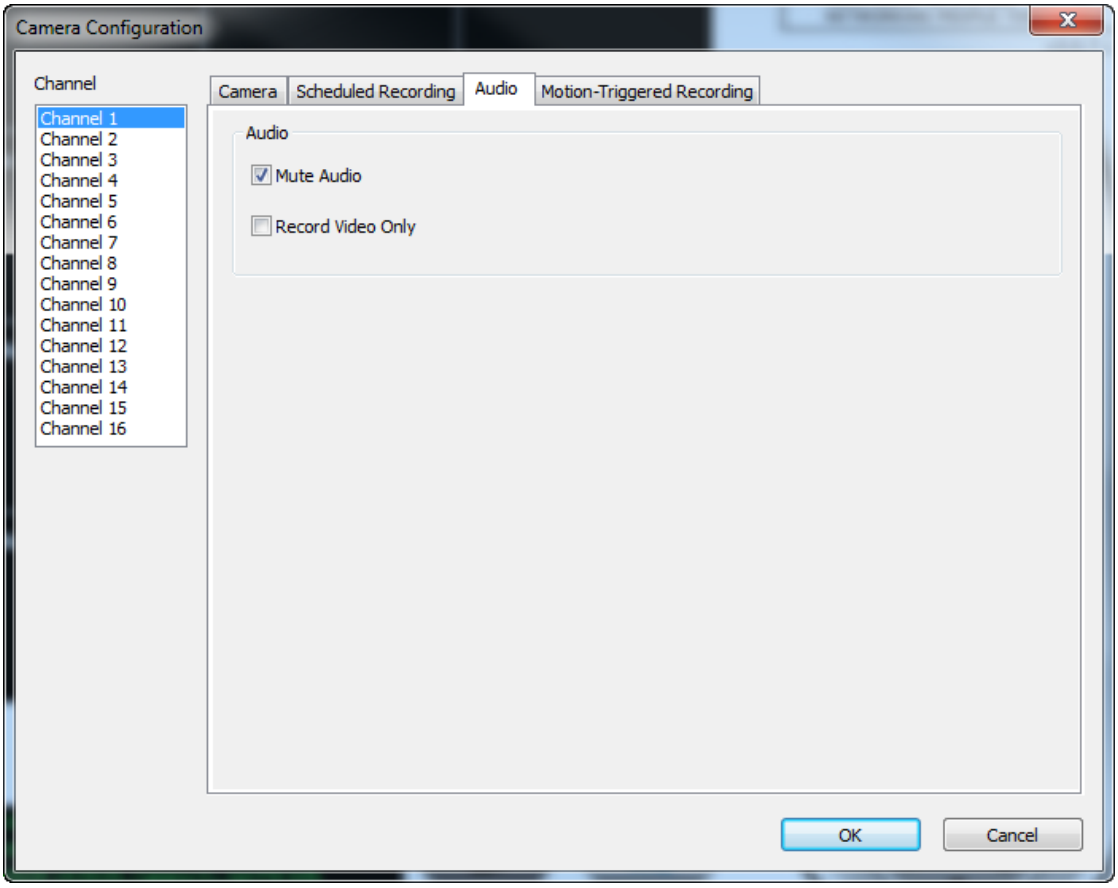


Channel	Select the channel number you wish to set.
One Time Schedules	You can specify the one-time schedule for a selected camera; this schedule will be executed once only.
New (One Time Schedules)	 Please specify the time duration of this one-time schedule (the date and time of 'From' and 'To'), then click 'OK' to save settings. Please note you must set a schedule that will happen in the future, you cannot set a schedule in the past.
Edit	You can modify a scheduled recording item. Select a schedule in 'One Time Schedules' list, and click the 'Edit' button to edit the start and end time of this schedule.
Delete	Delete a selected schedule item.
New (Weekly Schedules)	 You can define a weekly recording schedule for specified times and days. Check the days to include in the schedule, and set the daily

	start and finish time in the “From” and “To” fields (format HH:MM:SS). The “Continuous Recording” button will set the schedule to record everyday from 12:00:00AM to 11:59:59PM i.e. continuously.
Edit	You can modify a scheduled recording item. Select a schedule in the ‘One Time Schedules’ list, and click the ‘Edit’ button to edit the start and end time of this schedule.
Delete	Delete a selected schedule item.

VI-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 the selected camera.

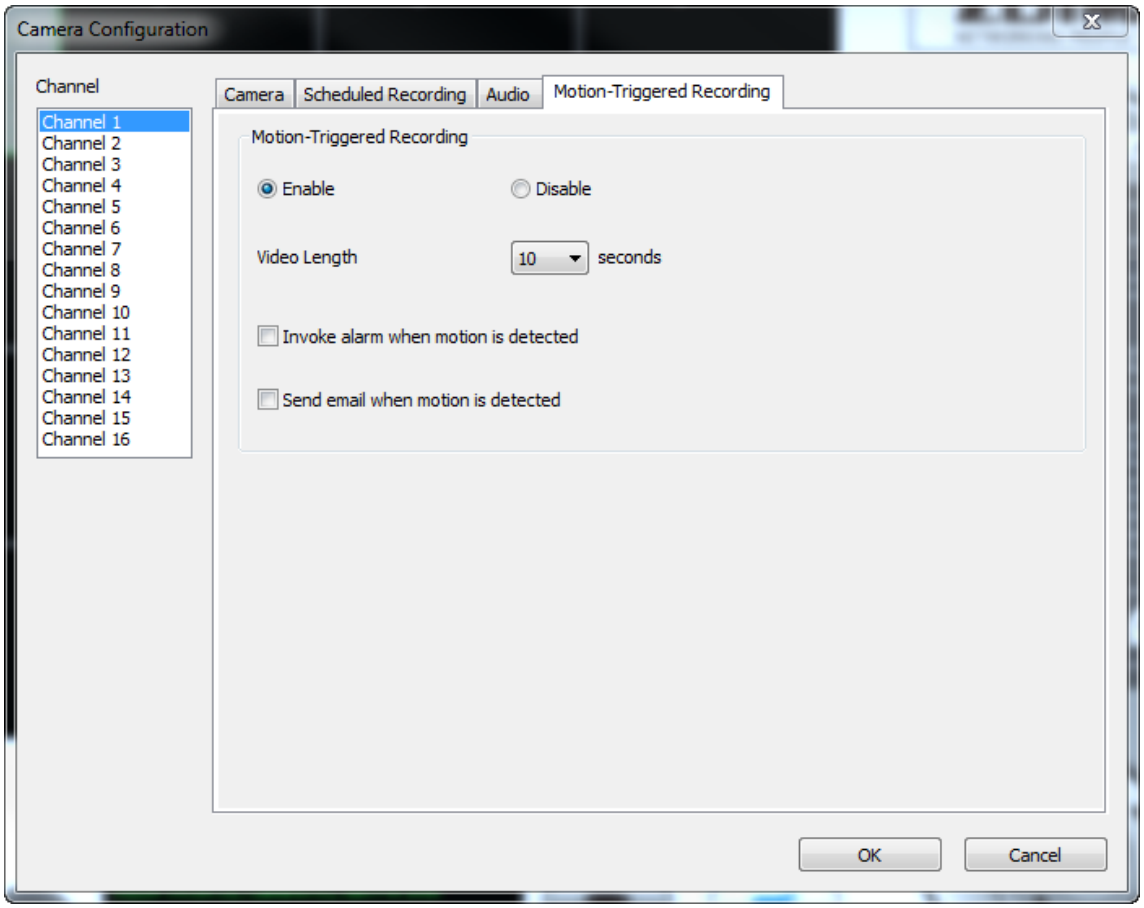


Channel	Select the channel number you wish to set.
Mute Audio	Check this box and the network camera surveillance software will not play the audio captured by this camera.
Record Video Only	Check this box and the network camera surveillance software will not record the audio captured by this camera.

VI-3-1-4. Motion Recording

The network camera features a motion detection function and various options for (motion detection) events notification. On this page you can enable or disable motion detection and set the camera to send an email or trigger an alarm when motion is detected.

Please not that when using the camera for security purposes, it is important to monitor the camera's stream even when using motion detection. Motion detection may not be 100% accurate.

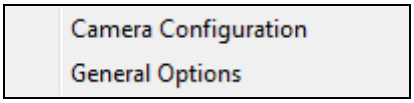


Channel	Select the channel number you wish to set.
Enable	Enable motion record function.
Disable	Disable motion record function.
Video Length	Select the time duration from the dropdown menu, in seconds, that the camera will record when a motion has been detected.
Invoke alarm when motion is triggered	Send an alarm when a motion has been detected by the camera.

Send email when motion is triggered	Send an email to a pre-defined address when a motion has been detected by the camera.

VI-3-2. General Options

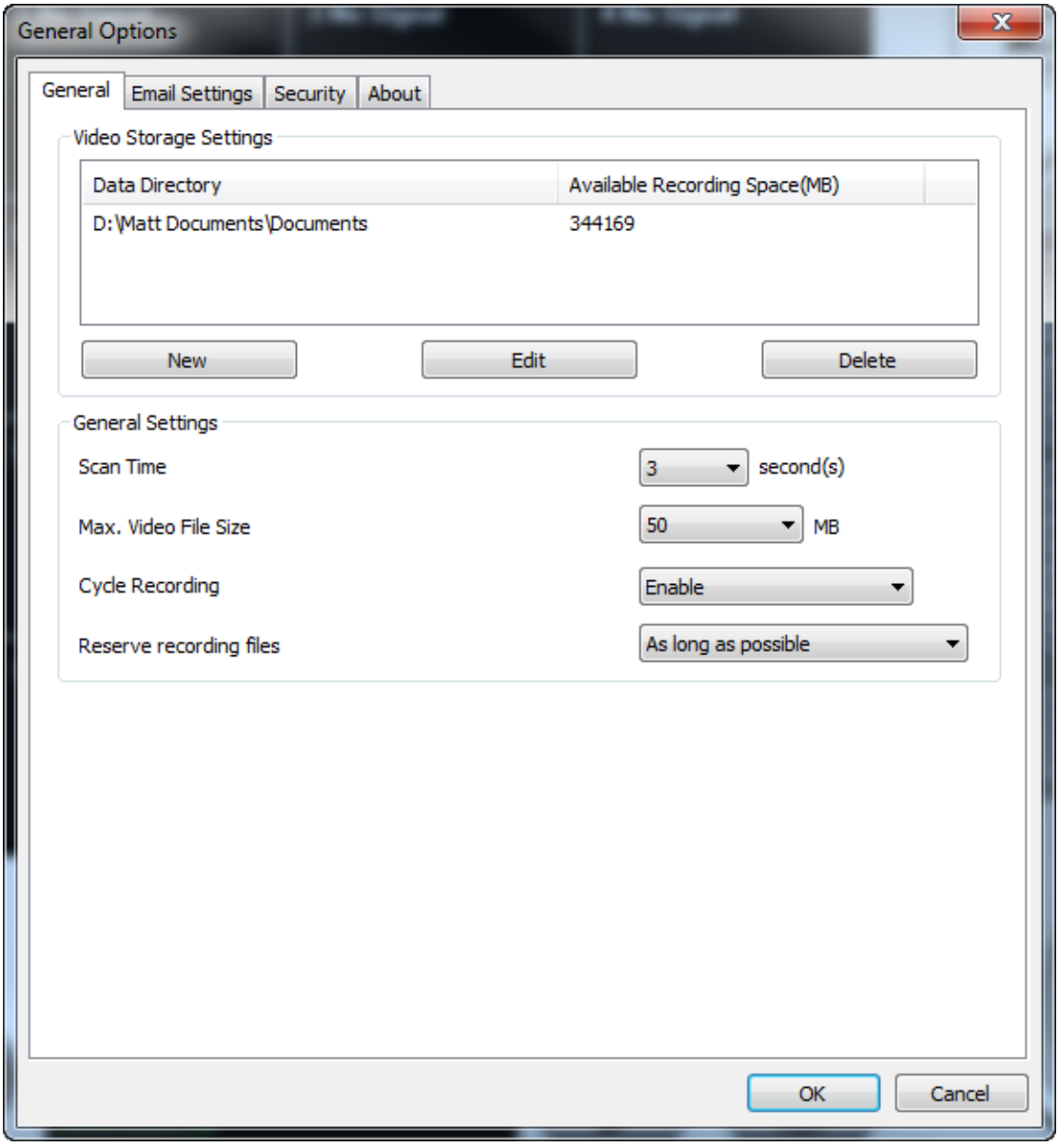
Click the wrench icon( ) and a popup menu will appear:



When you select “General Options”, please refer to the appropriate following chapter:

VI-3-2-1. General

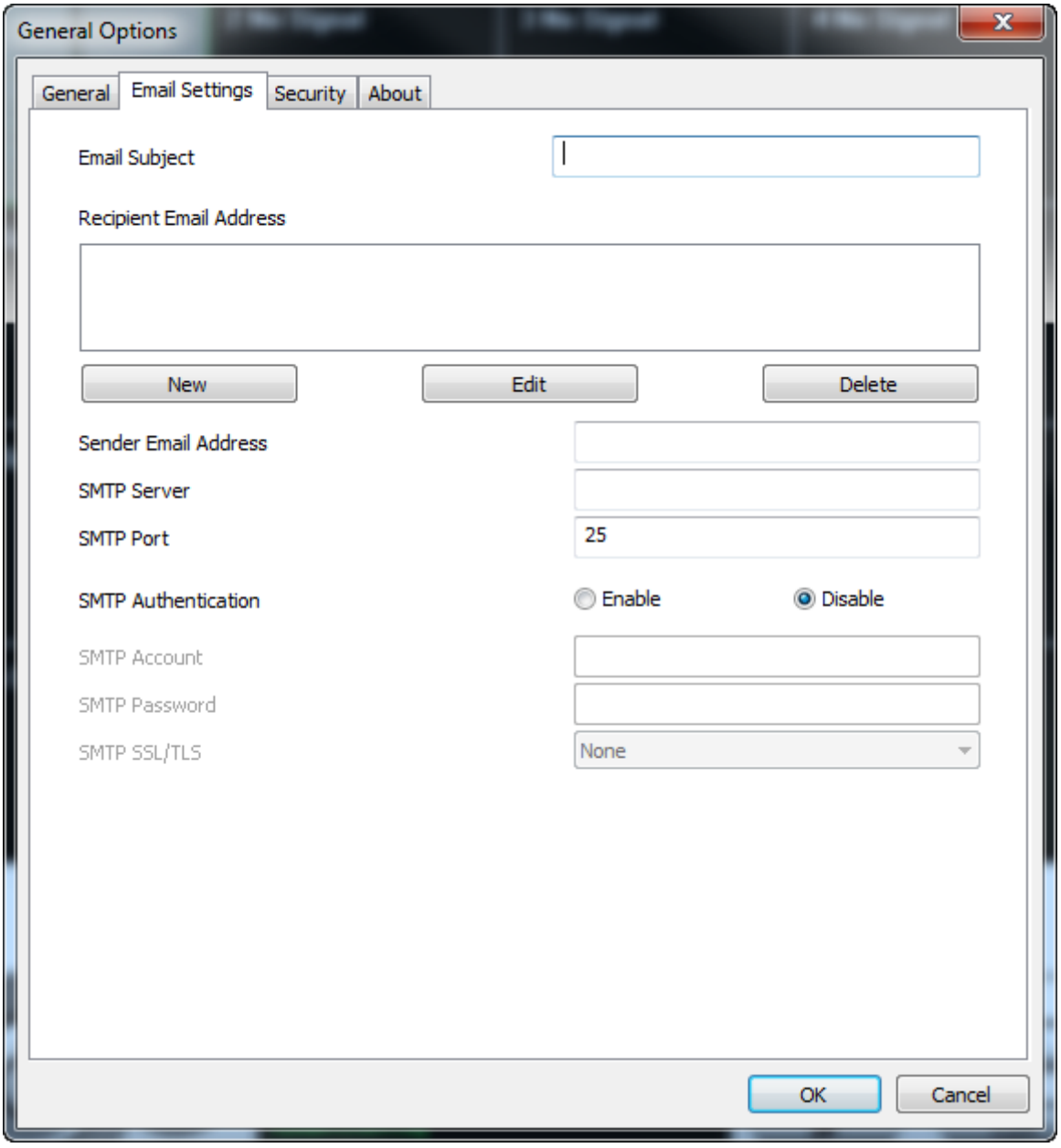
All general settings such as the file storage directory and recording spaces can be set here.



Video Storage Settings	Use the “New”, “Edit” and “Delete” buttons to set the directory for local video storage. Available space in the specified directory will be displayed.
Scan Time	Define the time period to pause between every camera switch when you activate the ‘Scan’ function.
Max Video File Size	Set the maximum file size of every video file. When the size of the file exceeds this value, the network camera surveillance software will open another file to record the video.
Cycle Recording	Enable or disable cycle recording. When enabled, cycle recording will overwrite the earliest recordings when the storage space becomes full. When disabled, recording will stop when storage is full.

VI-3-2-2. Email Settings

If you set your network camera to send email notifications for motion detection events (see **VI-3-1-4. Motion Detection**), you need to configure your email settings here.



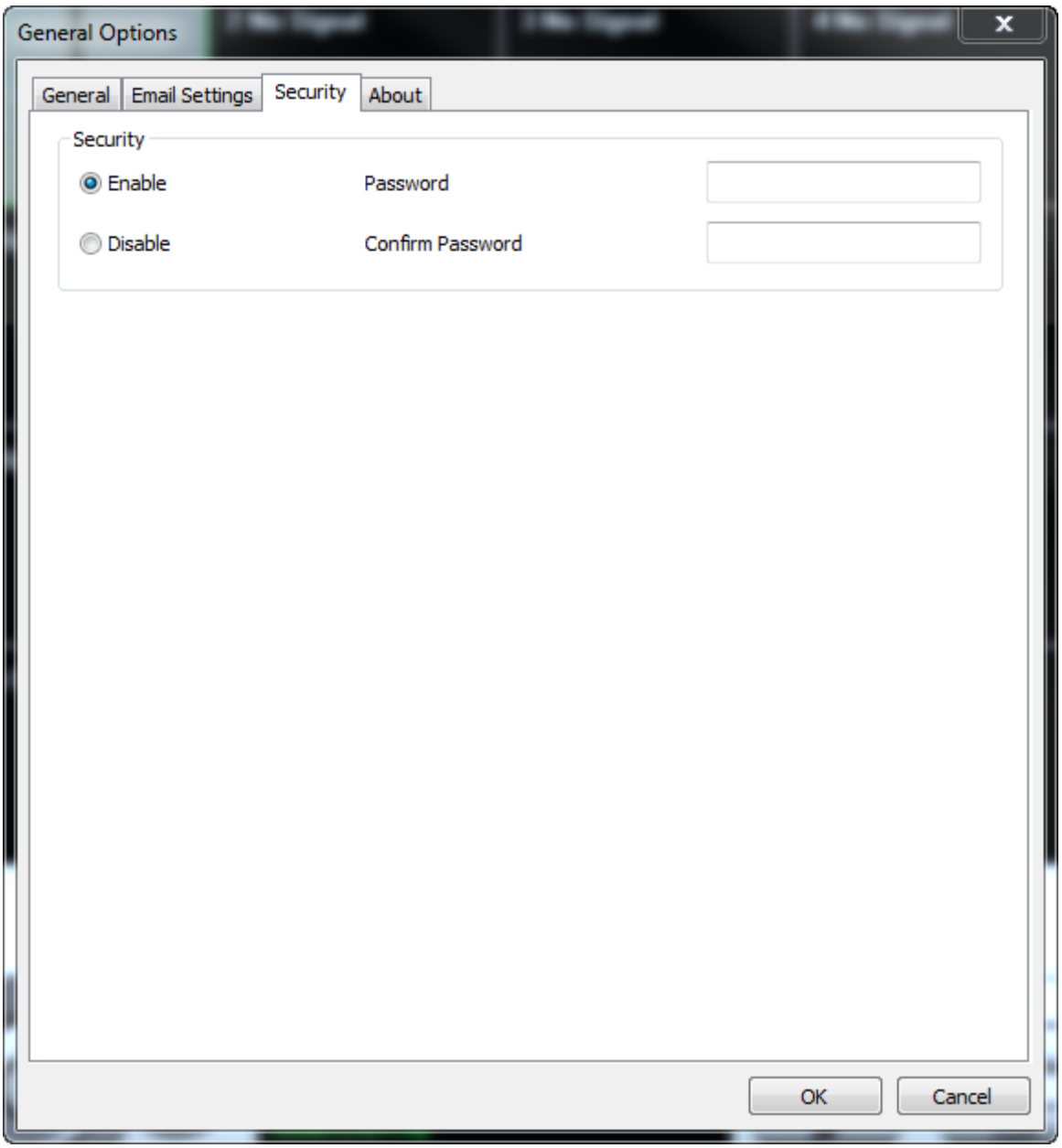
E-Mail Subject	Specify the subject of the email notification you will receive.
Recipient E-Mail Address	Use the “New”, “Edit” and “Delete” buttons to enter the email address for the recipient(s) of the email notification.
Sender E-Mail	Specify the email address which will send the

Address	notification email.
SMTP Server	Specify the IP address or host name of the SMTP server for the sender email. Your ISP can provide this information if you are unsure.
SMTP port	Specify the port number of the SMTP server you wish to use here. The default value is 25.
SMTP Authentication	Enable or disable SMTP authentication. If you are unsure, check with your ISP.
SMTP Account	If using SMTP authentication (above), then enter the SMTP account (username) of your SMTP server here. In most cases, it's the same as your POP3 username (the one you use to receive email). Contact your ISP if you are unsure.
SMTP Password	Enter the SMTP password of your SMTP server here. In most cases, it's the same as your POP3 password (the one you use to receive email). Contact your ISP if you are unsure.

VI-3-2-3. Security

You can set a password to protect the 16 channel viewer software. When enabled, the password will be required each time to open the 16 channel viewer software.

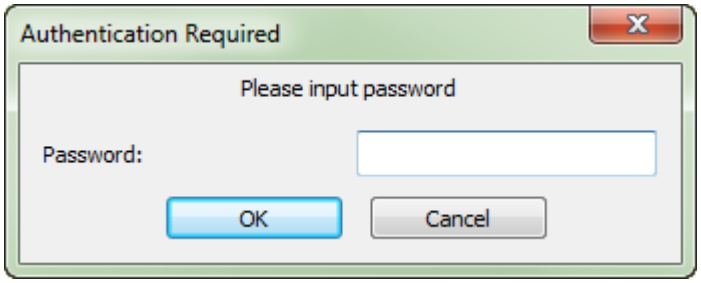
To set the password, please use the ‘Security’ tab in the ‘General Options’ menu:



Enable	When enabled, the password is required to open the 16 channel viewer software.
Disable	No password is required when disabled.

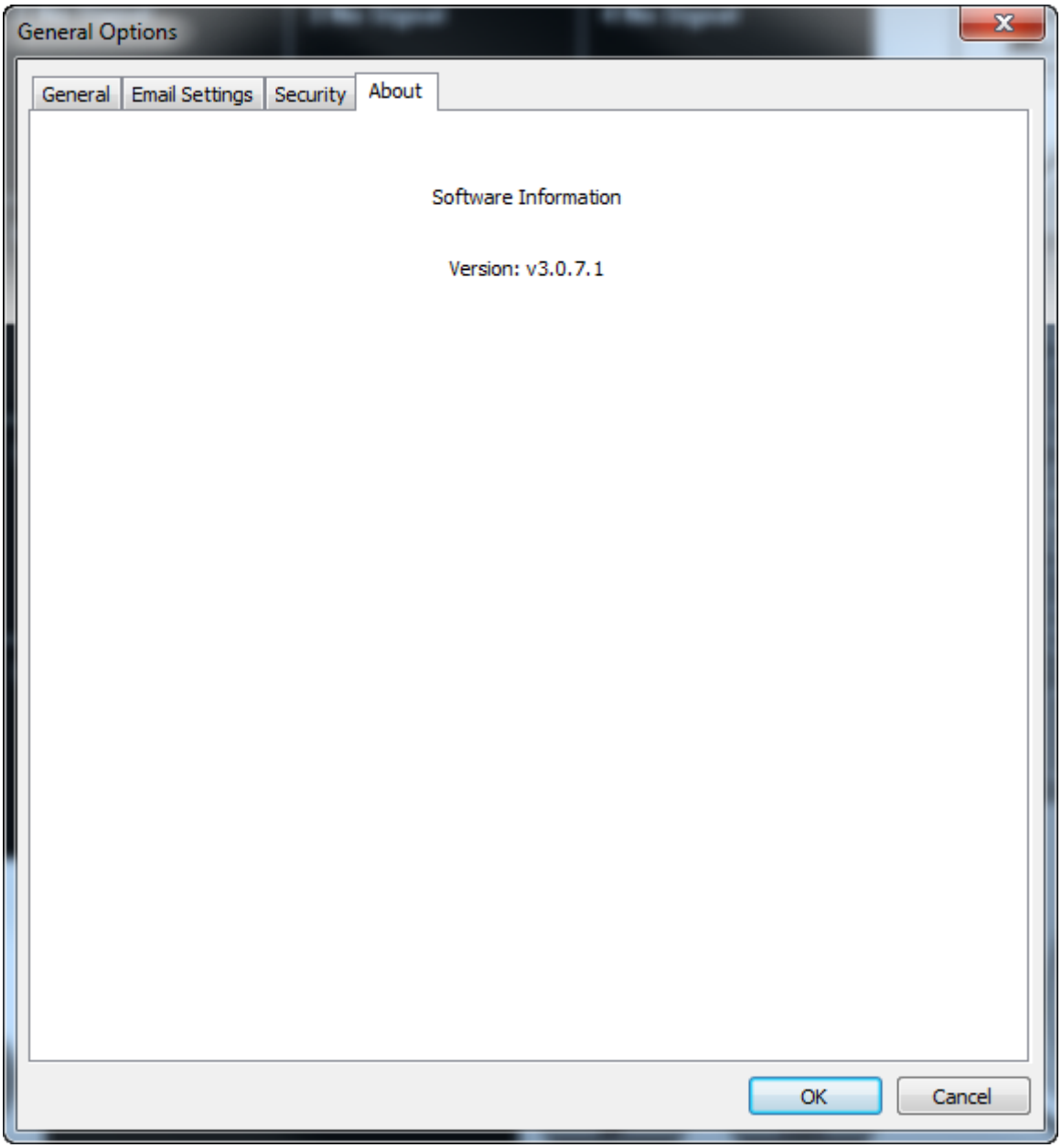
Password	Enter the password you wish to use here.
Confirm Password	Enter the password you wish to use here again.

When you open the 16 channel viewer software, you will be prompted to enter the password:



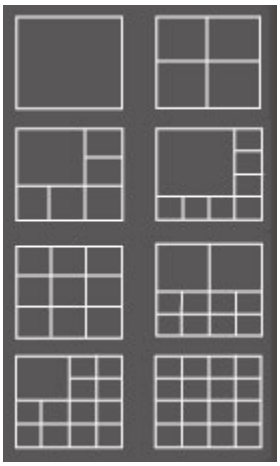
VI-3-2-4. About

The “About” tab displays the software version number.

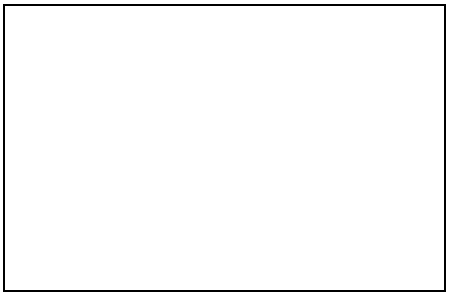
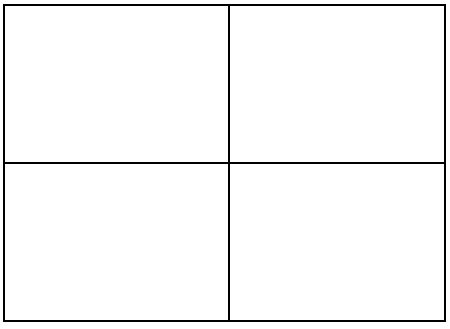


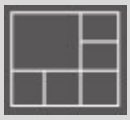
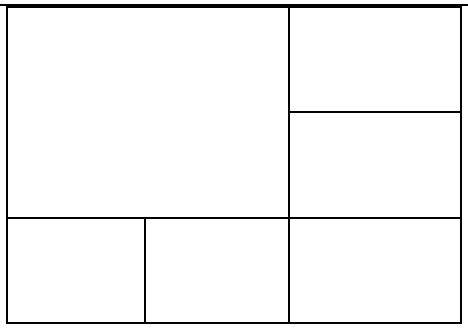
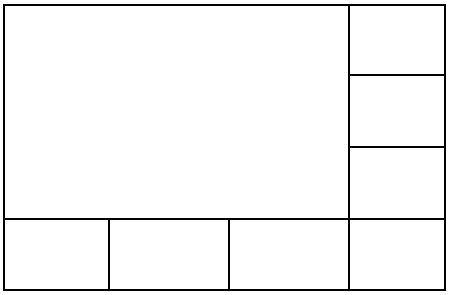
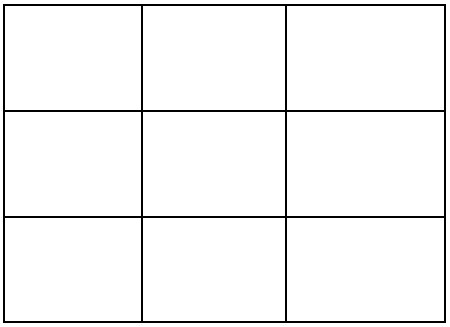
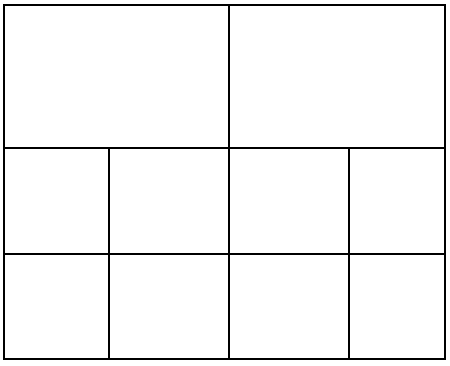
VI-4. Changing the Display Layout

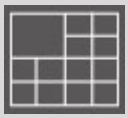
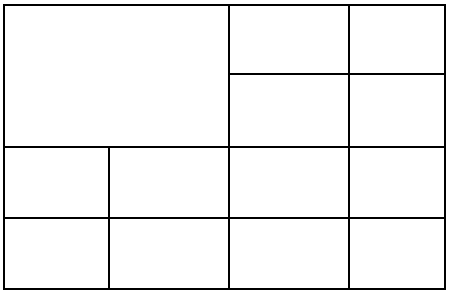
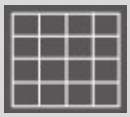
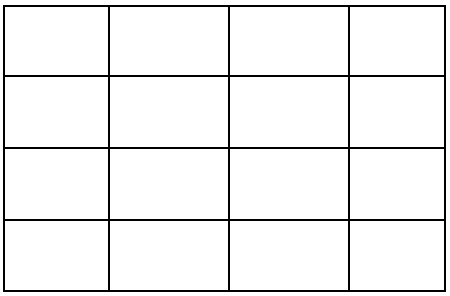
This network camera surveillance software provides eight display layouts:



Each layout displays a different number of cameras in different arrangements. Click the icon which represents your preferred layout and the video display area will change accordingly.

Layout style 1: 1 Camera only 	Displays the video of 1 camera only. 
Layout style 2: 4 Cameras 	Displays the video of up to 4 cameras. 
Layout style 3: 6 Cameras	Displays the video of up to 6 cameras.

	
Layout style 4: 8 Cameras 	Displays the video of up to 8 cameras. 
Layout style 5: 9 Cameras 	Displays the video of up to 9 cameras. 
Layout style 6: 10 Cameras 	Displays the video of up to 10 cameras. 

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. 

VI-5. Full Screen Mode

Click the ‘Full Screen’ button to switch the display mode to full-screen mode. This uses all available space on your monitor to display the surveillance image. Press the “ESC” key to exit full-screen mode.

VI-6. Scan

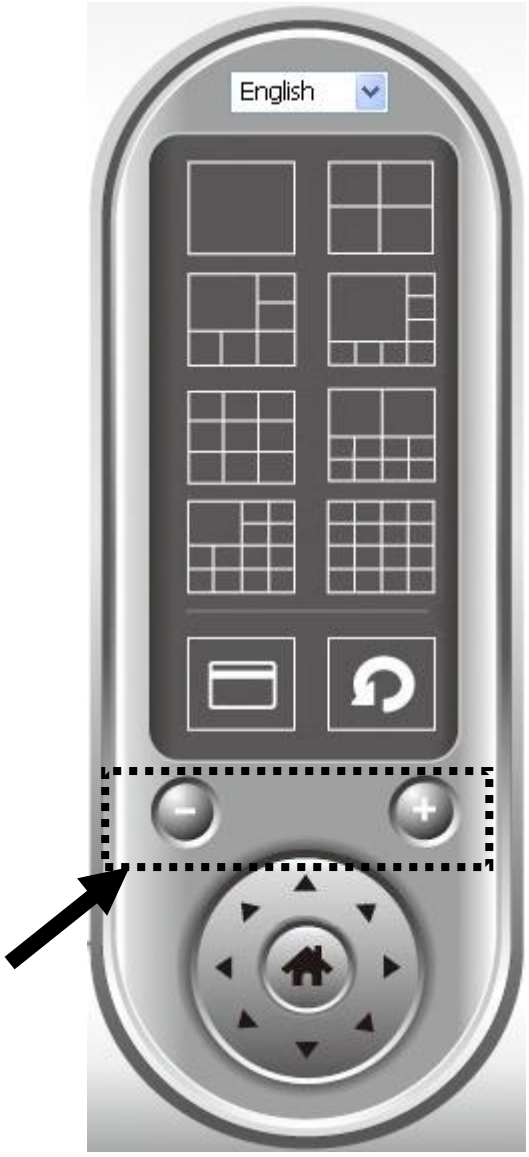
If you have more than one camera configured, the “Scan” button will switch the display between cameras.

“Disconnected” will be displayed in the image window when a configured camera is disconnected.

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

VI-7. Zoom In/Out

For cameras which support the zoom-in/zoom-out function, you can use this function to enlarge or reduce the image size according to your requirements e.g. to see a certain object in greater detail.



Please select a camera in the video display area by clicking on its image, then click the button to see more objects within the camera's view, or click to enlarge the image size of a certain object to see it in more detail (before zooming in, you may need to use the PTZ buttons - described in the next section - to find the object you wish to see in detail).

VI-8. Pan & Tilt

For cameras which support pan & tilt functions, you can adjust the direction the network camera is facing.

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

VI-9. Snapshot

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

Click the snapshot button once to take a snapshot; you can take as many snapshots as you want until the hard disk is full.

VI-10. Recording

You can start video recording a selected camera's image by clicking the 'Start Recording' button:

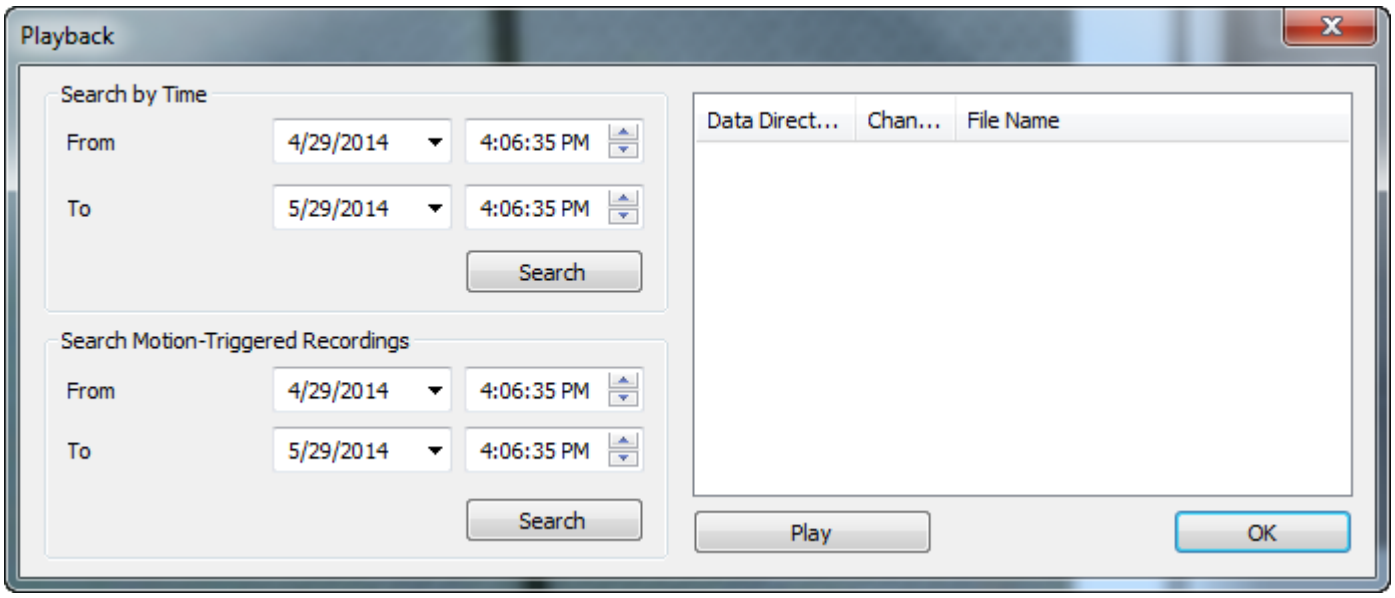
When recording starts, you'll see a message displayed in the message display box, such as '1/1 10:00:00, Camera 2 Start Manual', which means camera 2 started recording manually on 1/1 at 10:00:00.

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

VI-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 fall within a specific period of time) and Motion Search (search all videos recorded by the motion detection function and fall within a specific period of time).

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

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

FCC Caution

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

Federal Communications Commission (FCC) RF Exposure Requirements

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

EU Declaration of Conformity

English: This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC, 2006/95/EC, 2009/125/EC.

French: Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2004/108/EC, 2006/95/EC, 2009/125/EC

Czechian: Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2004/108/EC, 2006/95/EC, 2009/125/EC.

Polish: Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2004/108/EC, 2006/95/EC, 2009/125/EC

Romanian: Acest echipament este în conformitate cu cerinţele esenţiale şi alte prevederi relevante ale Directivei 2004/108/EC, 2006/95/EC, 2009/125/EC.

Russian: Это оборудование соответствует основным требованиям и положениям Директивы 2004/108/EC, 2006/95/EC, 2009/125/EC.

Magyar: Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek 2004/108/EC, 2006/95/EC, 2009/125/EC

Türkçe: Bu cihaz 2004/108/EC, 2006/95/EC, 2009/125/EC direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.

Ukrainian: Обладнання відповідає вимогам і умовам директиви 2004/108/EC, 2006/95/EC, 2009/125/EC.

Slovakian: Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2004/108/EC, 2006/95/EC, 2009/125/EC.

German: Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2004/108/EC, 2006/95/EC, 2009/125/EC.

Spanish: El presente equipo cumple los requisitos esenciales de la Directiva 2004/108/EC, 2006/95/EC, 2009/125/EC.

Italian: Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2004/108/EC, 2006/95/EC, 2009/125/EC.

Dutch: Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2004/108/EC, 2006/95/EC, 2009/125/EC.

Portugese: Este equipamento cumpre os requesitos essênciais da Directiva 2004/108/EC, 2006/95/EC, 2009/125/EC

Norwegian: Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2004/108/EC, 2006/95/EC, 2009/125/EC.

Swedish: Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2004/108/EC, 2006/95/EC, 2009/125/EC.

Danish: Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 2004/108/EC, 2006/95/EC, 2009/125/EC.

Finnish: Tämä laite täyttää direktiivien 2004/108/EC, 2006/95/EC, 2009/125/EC oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

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