IC-9110W V2

User Manual

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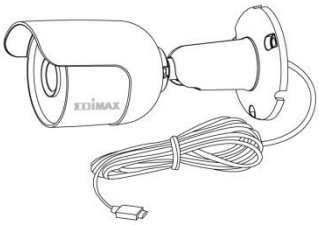
I Product Information

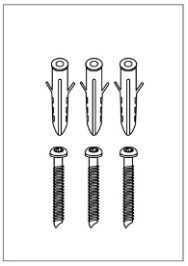
I-1 Package Contents



Outdoor Image Unit

Ethernet Cable

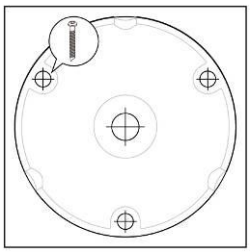
Indoor Main Unit



Outdoor Image Unit Screws

Indoor Main Unit Screws

Adhesive Pad

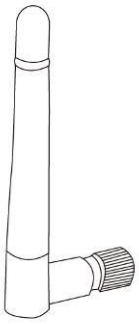


Wall Template

CD

Quick Installation Guide

Power Adapter



Antenna

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 XP, Vista, 7 or 8/8.1
- Web browser (Internet Explorer 7.0, Firefox 3.6, Chrome 10, Opera 11, Safari 5 or above)

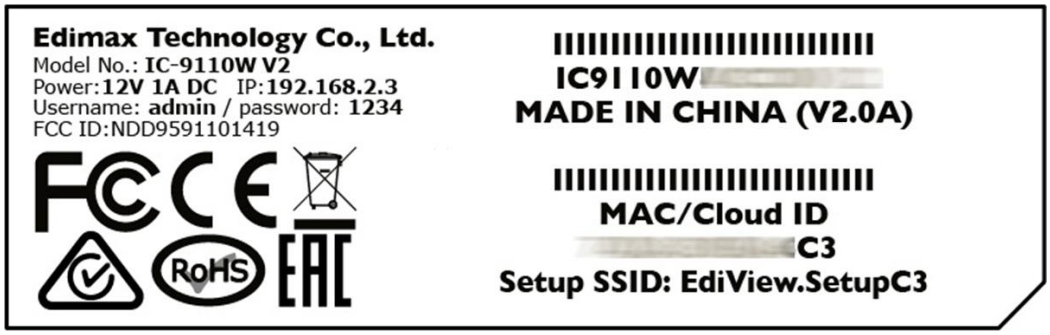
I-3 LED Status

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

I-4 Product Label

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

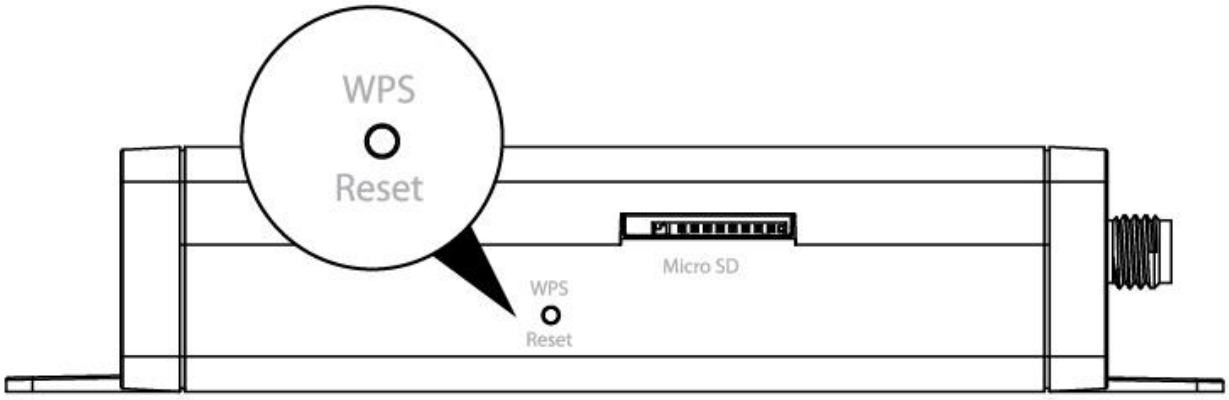
The MAC address and cloud ID are the same for easy reference.



I-5 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.

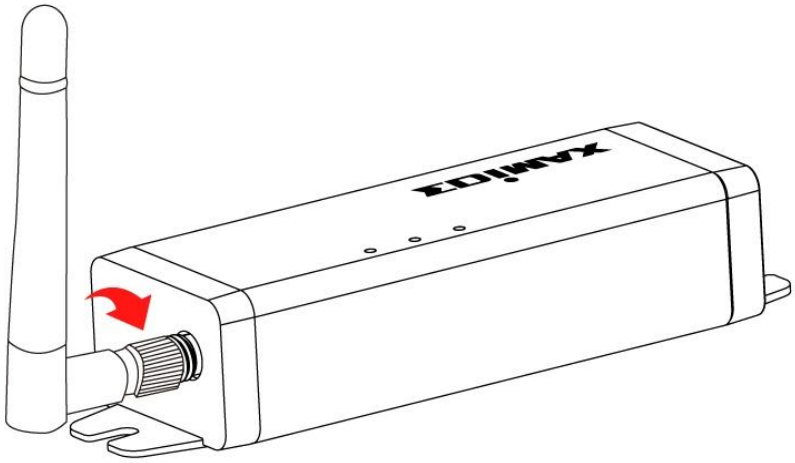
II Camera Setup

It is recommended that you setup your network camera as shown below and establish a working connection before you install the camera to its outdoor location.

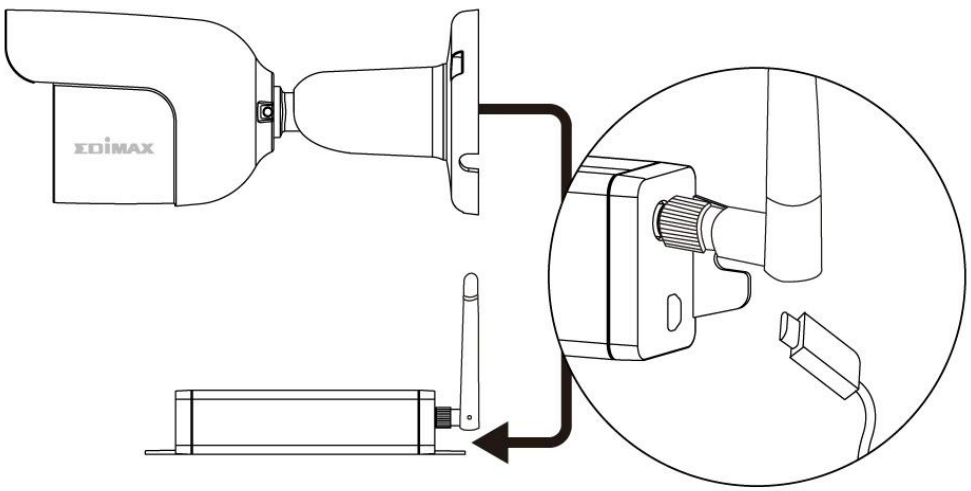
Your network camera's unique SSID is displayed on the product label on the product's indoor main unit and consits of "EdiView.Setup**" where ** are the last two characters of your camera's unique MAC address.

II-1 Hardware Setup

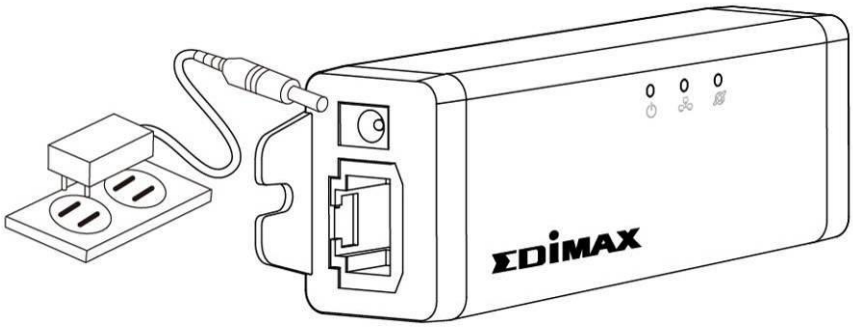
1. Screw on the included antenna to the product's indoor main unit.



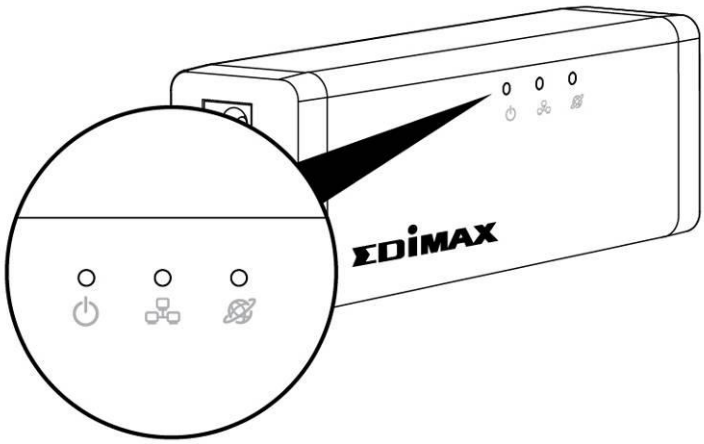
2. Connect the outdoor image unit cable to the indoor main unit.



3. Connect the power adapter to the indoor main unit and to a power supply.



4. Wait a moment for the camera to power on. The **green** power LED will **flash slowly** when it's ready.



Now you need to connect your network camera to your network. There are three easy ways:

A. With the free EdiLife app on Android or iPhone: Refer to ***II-2 Connecting to EdiLife App***.

B. Using a computer and EdiView Finder: ***II-3 EdiView Finder***.

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

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 ***V Web-Based Management Interface***).

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

Remotely (from any Internet connection):

Using the EdiLife app.

Follow the instructions in ***III Outdoor Installation*** if you need help installing your camera outside.

II-2 Connecting to EdiLife App

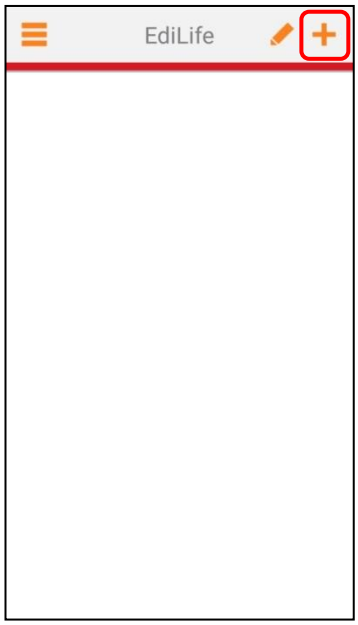
Follow the instructions below to connect your network camera to your Wi-Fi using the EdiLife smart phone app.

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

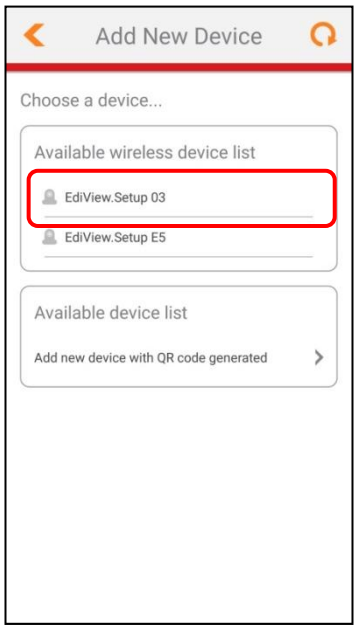
II-2-1 Android OS

Please make sure the network camera is within the Wi-Fi range of a Wi-Fi router that has internet connectivity.

1. Search and download “EdiLife” in ***Google Play***.

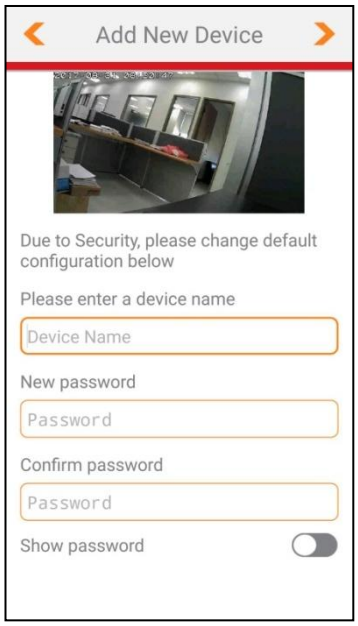


2. Open the EdiLife app and tap the + icon to see the available wireless device list.

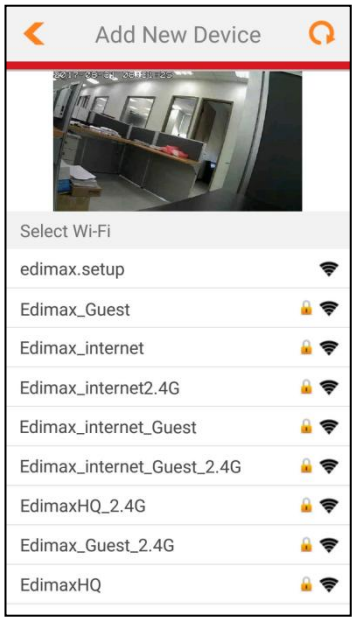


3. Identify and tap the network camera

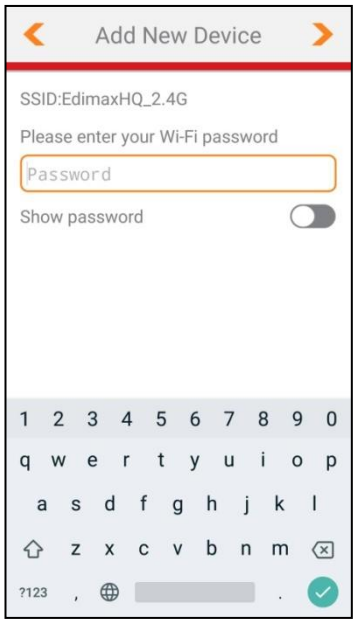
Your network camera’s unique SSID is displayed on the product label on the network camera and consists of “EdiView.Setup **” where ** are the last two characters of your camera’s unique MAC address.



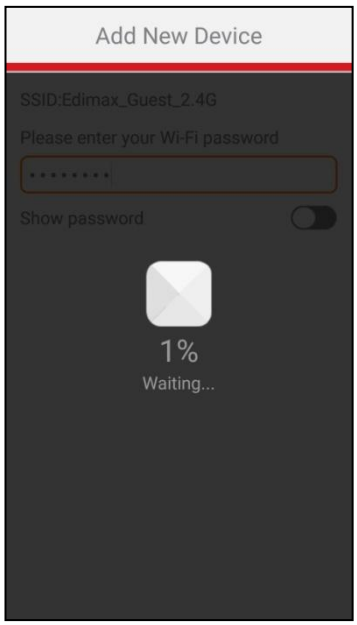
4. Once connected, the app will prompt you to enter a device name, new password and the password confirmation. Tap icon to continue.



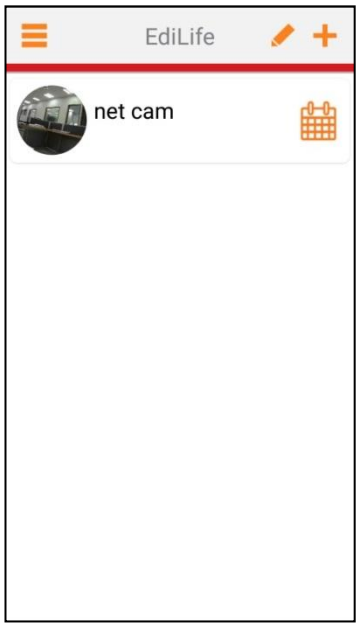
5. The app will display your local Wi-Fi network list. Tap your selection to continue.



6. Enter the Wi-Fi password of the selected network and tap icon to continue.



Please wait patiently for the camera to connect to the selected Wi-Fi network...



A **Setup complete** screen will be displayed on the app when completed.

Congratulations! Your camera is up and running!

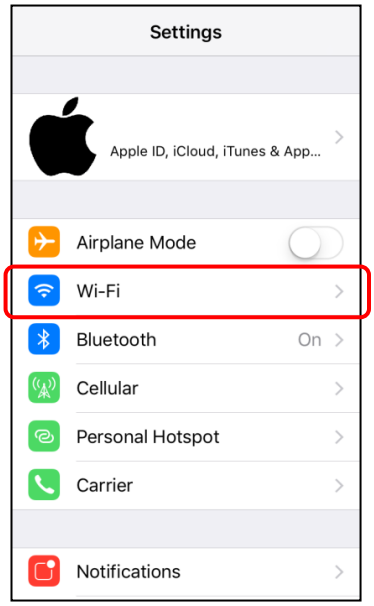
The camera's **green** power LED and **orange** Internet LED should be **on**.
As shown on the left, your camera should be listed on the home screen. Tap your camera to see a live stream. Use the app to view the stream anytime you are connected to the Internet.

7. If you have a microSD card, insert the card into the microSD slot on the back on the network camera.

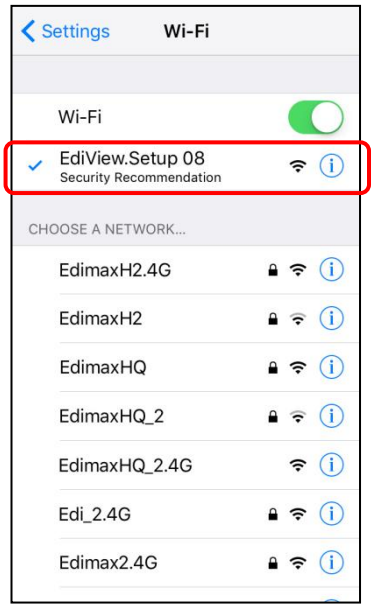
II-2-2 Apple iOS

Please make sure the network camera is within the Wi-Fi range of a Wi-Fi router that has internet connectivity.

1. On your iOS device, go to ***Settings***.



2. Tap the "Wi-Fi" (outlined in red) option.

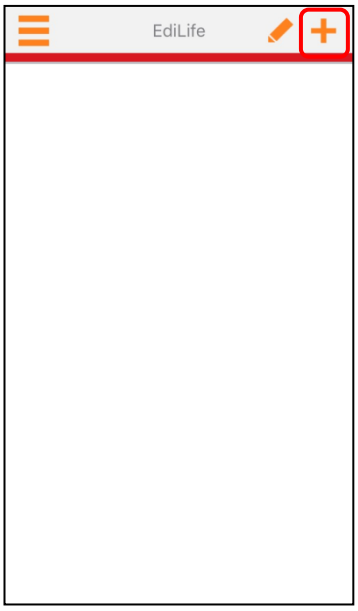


3. Find and connect to the network camera by tapping the camera's Wi-Fi name.

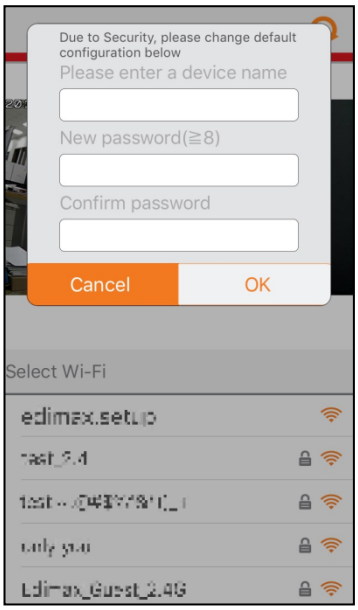
Your network camera's unique SSID is displayed on the product label on the network camera and consists of "EdiView.Setup **" where ** are the last two characters of your camera's unique MAC address.

When connected, the blue tick ☑ should be shown.

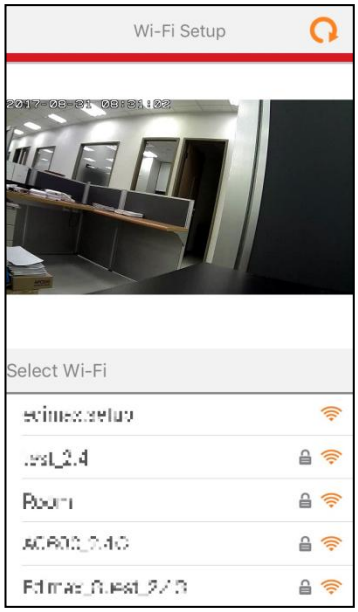
4. Search and download "EdiLife" in ***App***.



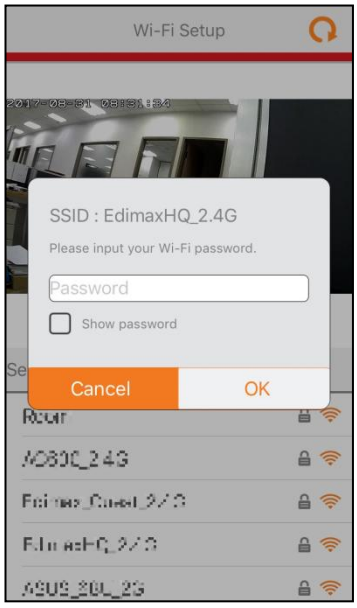
5. Open the EdiLife app and tap the + icon.



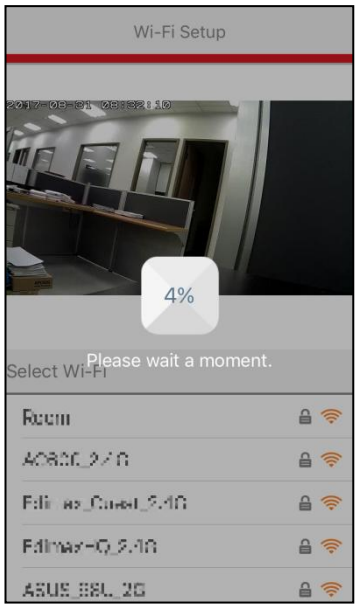
6. Once connected, the app will prompt you to enter a device name, new password and the password confirmation. Tap “OK” to continue.



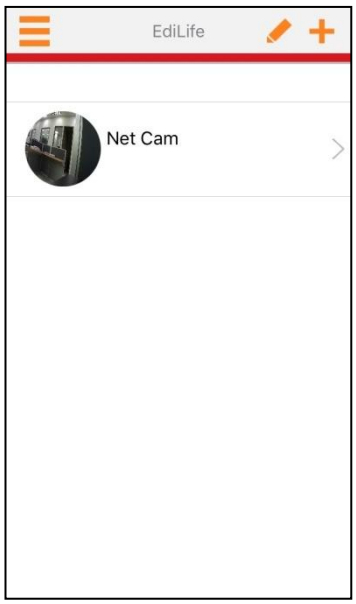
7. The app will display your local Wi-Fi network list. Tap your selection to continue.



8. Enter the Wi-Fi password of the selected network and tap “OK” icon to continue.



Please wait patiently for the camera to connect to the selected Wi-Fi network...



A **Setup complete** screen will be displayed on the app when completed.

Congratulations! Your camera is up and running!

The camera’s **green** power LED and **orange** Internet LED should be **on**.
As shown on the left, your camera should be listed on the home screen. Tap your camera to see a live stream. Use the app to view the stream anytime you are connected to the Internet.

8. If you have a microSD card, insert the card into the microSD slot on the back on the network camera.

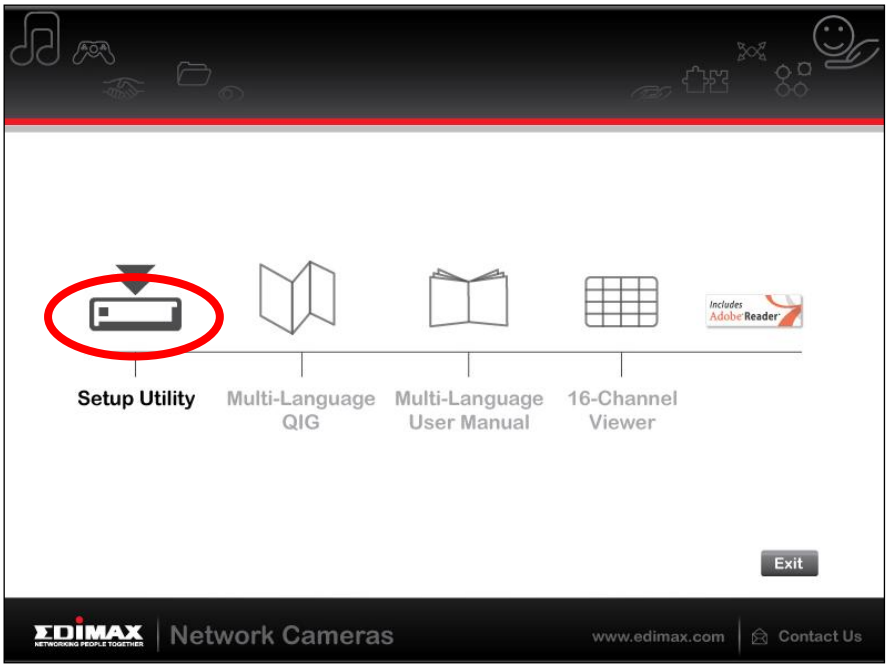
II-3 EdiView Finder

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

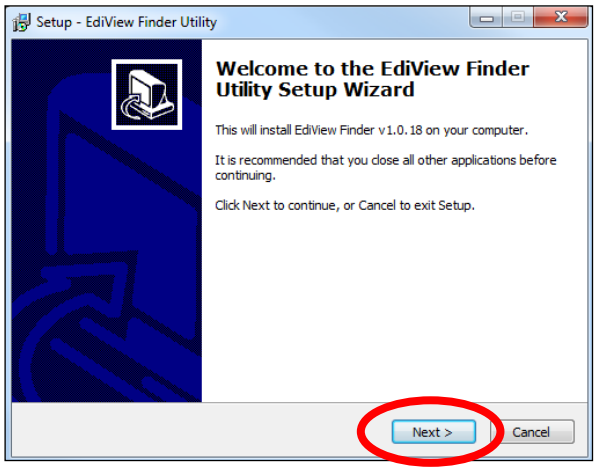
II-3-1 Windows

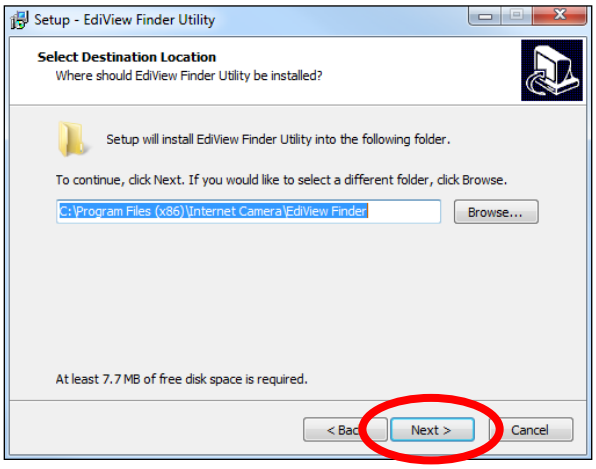
1. Insert the included CD into your CD-ROM drive and if the setup utility does not automatically open, please locate and open the “Autorun.exe” file in the “Autorun” folder.

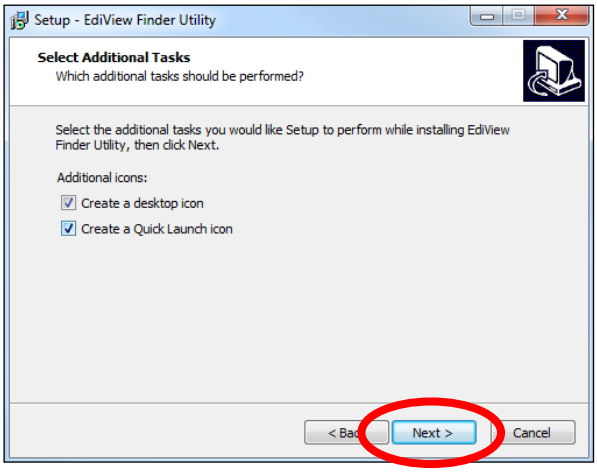
2. Click “Setup Utility” to install the EdiView Finder software utility.

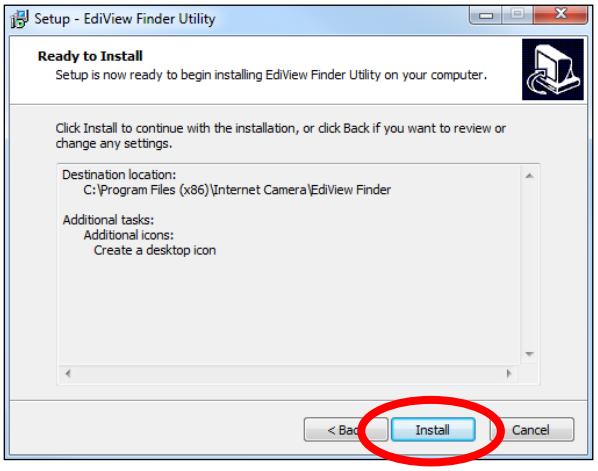


3. Click “Next” and follow the on-screen instructions to install the EdiView Finder software utility.

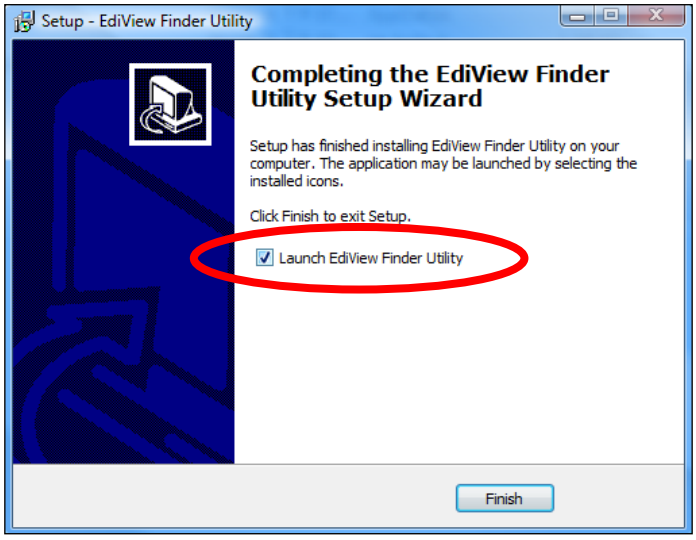


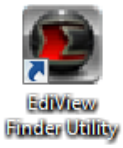






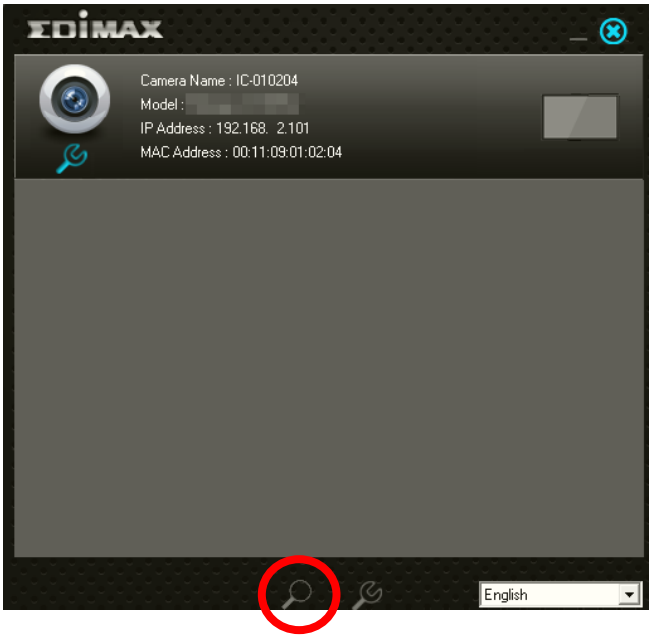
4. When installation is complete, select “Launch EdiView Finder Utility” before clicking “Finish”. Or double click the ”EdiView Finder Utility” icon on your desktop to launch EdiView Finder.





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.

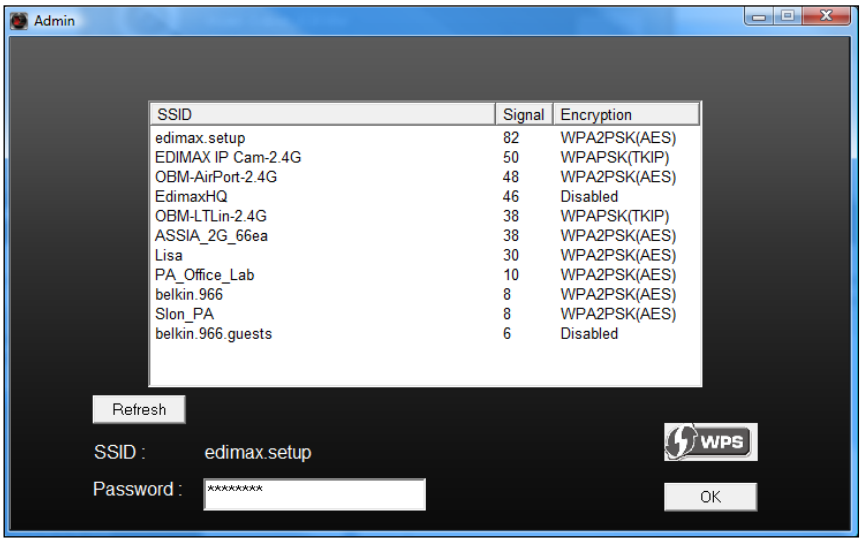


The network camera's IP address is displayed on this screen. After setup, you can enter this IP address into the URL bar of a web browser on the same local network to access your network camera's web-based configuration interface.

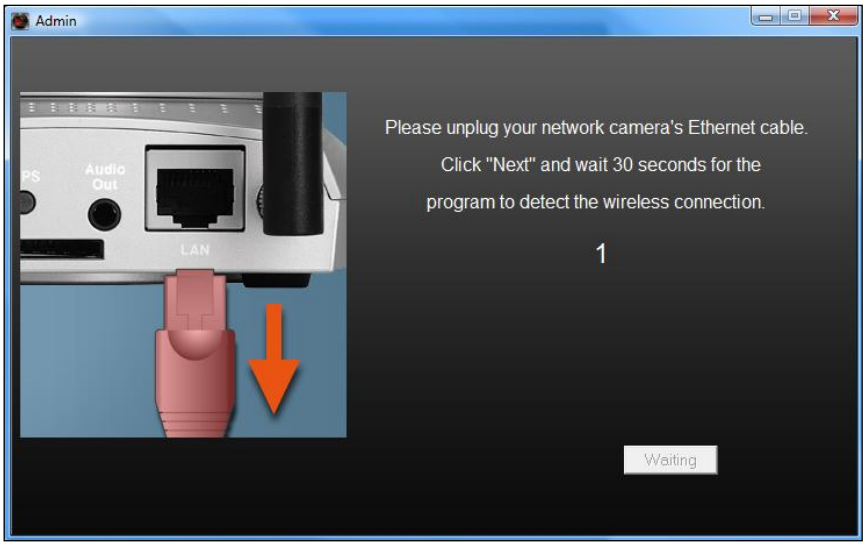
6. Double click your camera and then choose "Yes" or "No" if you wish to set up a wireless connection. If you choose "No" please go to **step 10**.

The IC9110W is a wireless camera, you can choose "Yes" to set up your wireless connection.

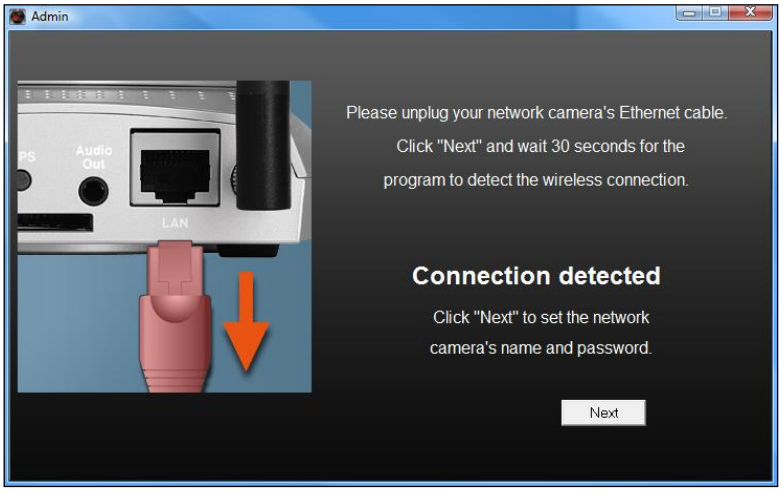
7. Select your wireless network from the list and enter the correct password in the "Password" field, before clicking "OK". This is the wireless network which your camera will connect to.



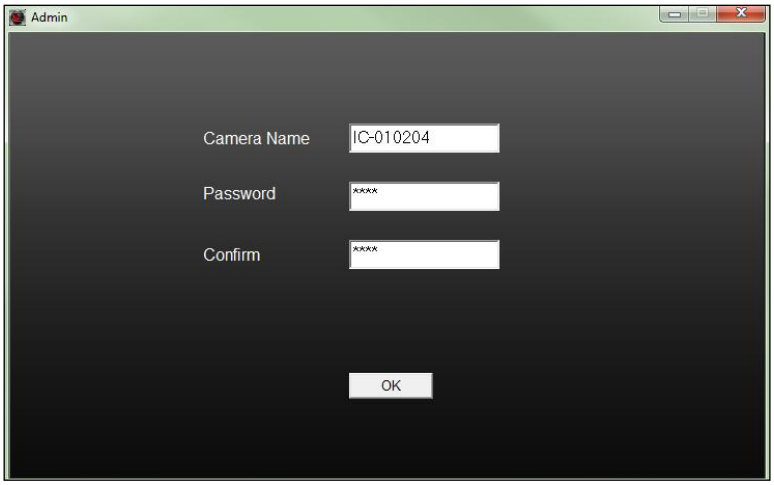
8. Unplug the Ethernet cable from your network camera and click “Next”. Please wait a moment for the camera to detect the connection.



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 EdiLife 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.

II-3-2 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.***

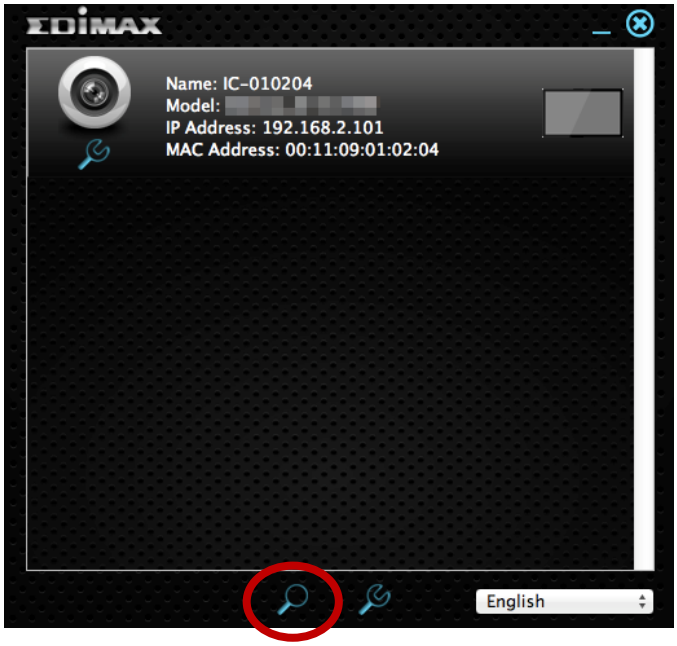
1. Insert the included CD into your CD-ROM drive and browse to the "Mac" folder.

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

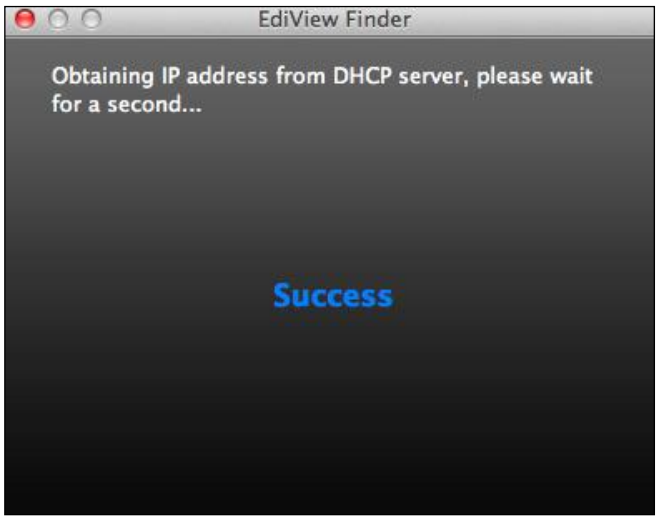
3. EdiView Finder will list all cameras on your local network, along with each camera's name, model, IP address and MAC address.

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.



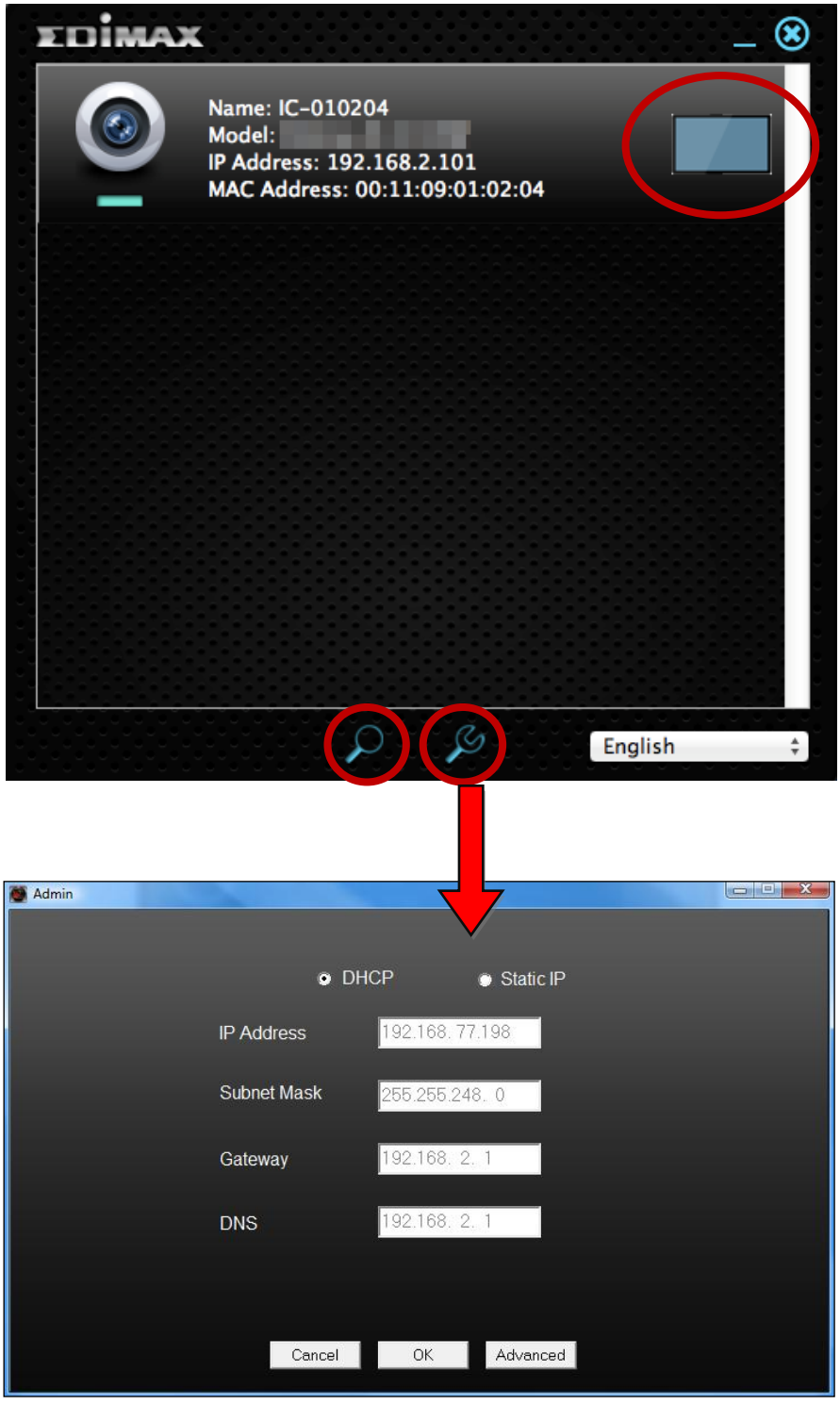
5. Enter a name and password for your camera. The password will be used later to log in to your camera remotely via its cloud ID, web interface or via the EdiLife smartphone app. Click "Next" to continue.

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 ***V-1-2 Wireless***.

II-3-3 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:

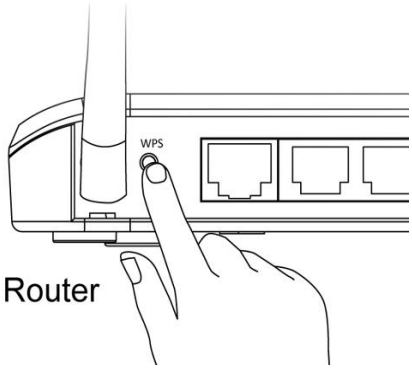


EdiView Finder will locate your network camera as long as you are on the same local network. Static IP users who may be using a different IP address subnet to the network camera should still be able to locate the network camera with EdiView Finder. If you encounter difficulties, it is recommended that 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 *V-1-1 Network****) if you need.***

II-4 WPS (Wi-Fi Protected Setup)

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

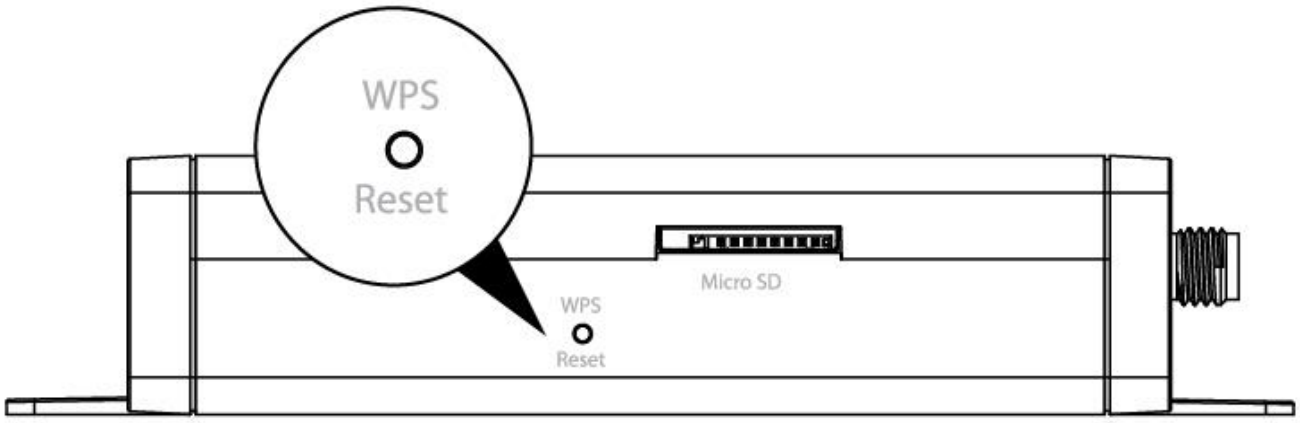
1. Press and hold the WPS button on your **wireless router/access point** for the correct length of time to activate its WPS.



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.

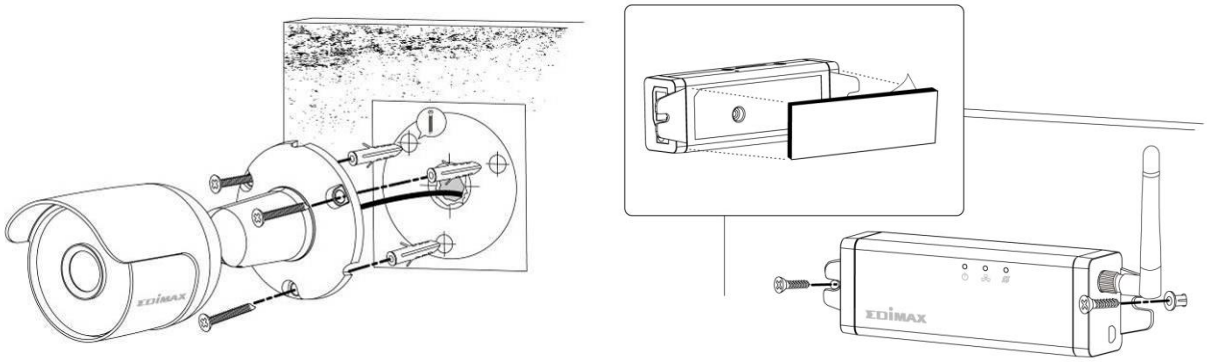
Take care not to hold the WPS/Reset button too long and reset your network camera.



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

III Outdoor Installation

Recommended installation:



The instructions below are a guide – if you are unsure please seek professional assistance.

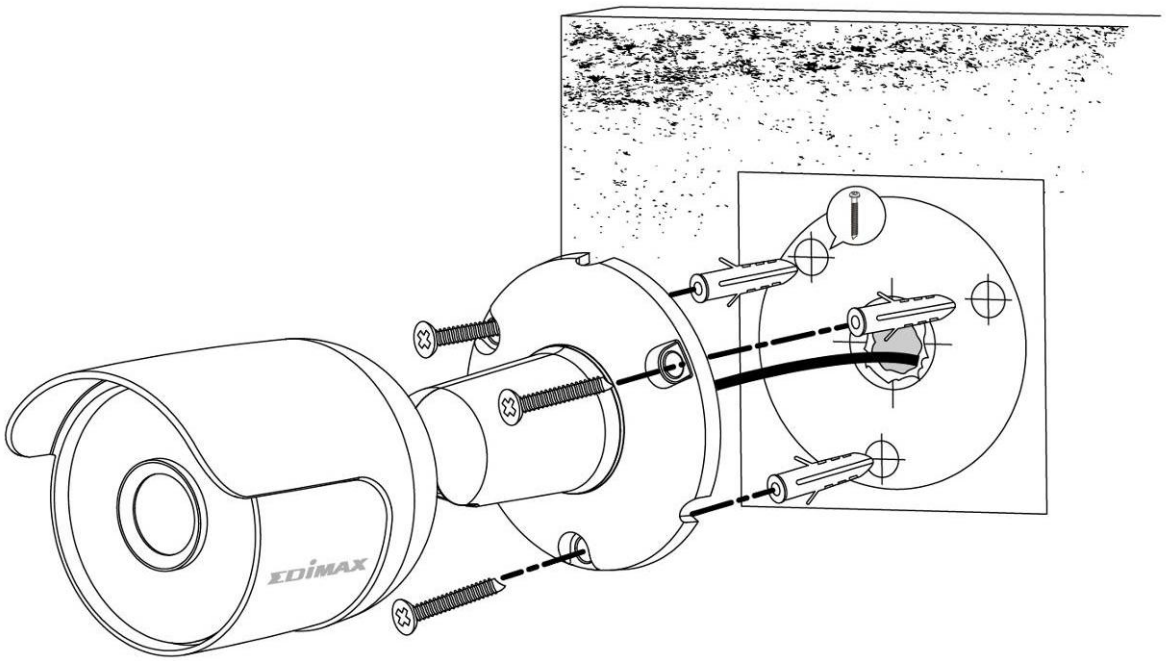
Disconnect the outdoor image unit from the indoor main unit and remove the indoor main unit antenna and power cable before outdoor installation.

1. Establish the best respective locations for the camera's outdoor and indoor main unit.

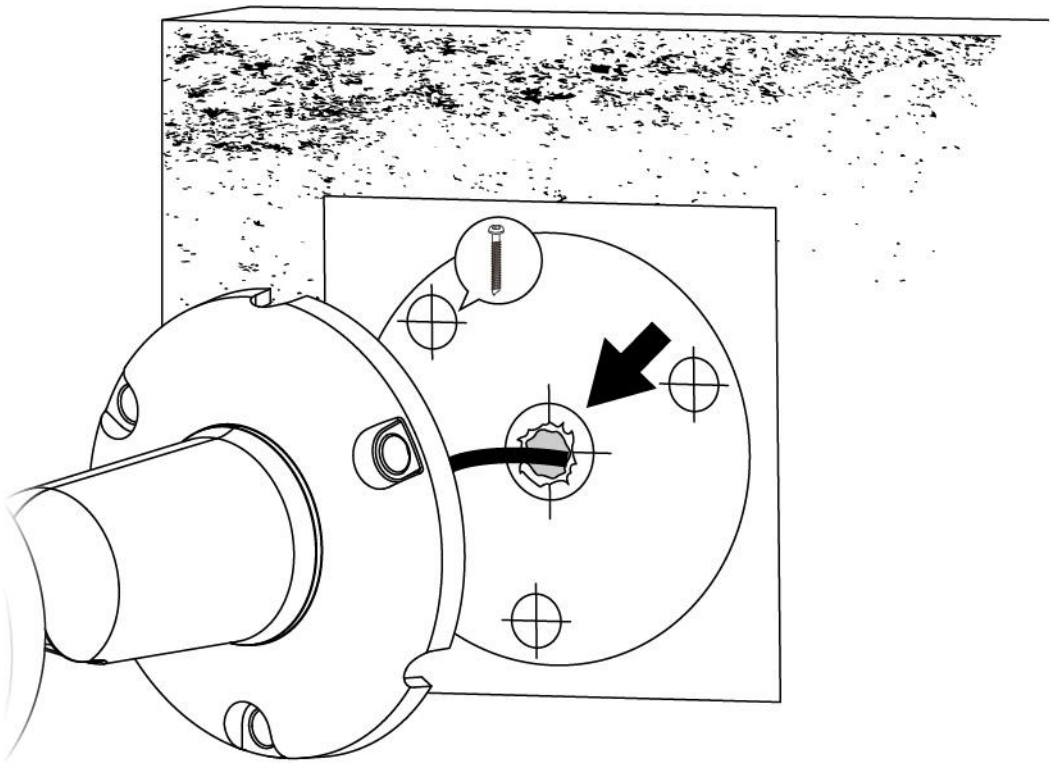
It is recommended that the location of the outdoor image unit is also the point where the cable will enter property, so that the cable can be covered by the outdoor image unit.

2. Use the included wall template to drill holes of sufficient diameter in your exterior wall to enable the outdoor image unit to be securely screwed into place.

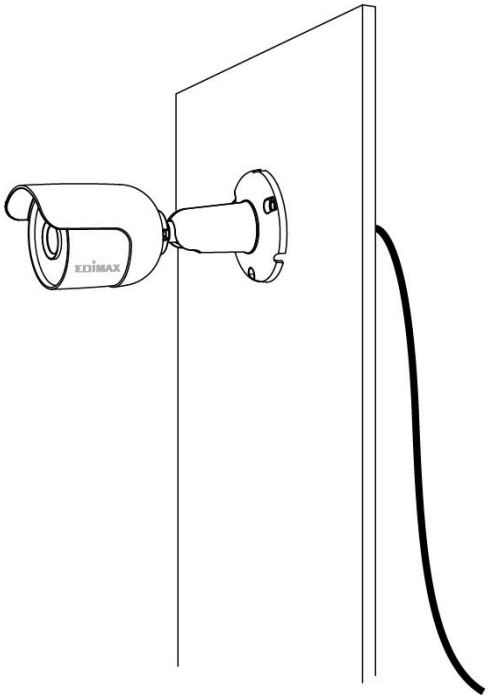
A power drill with masonry bit is recommended.



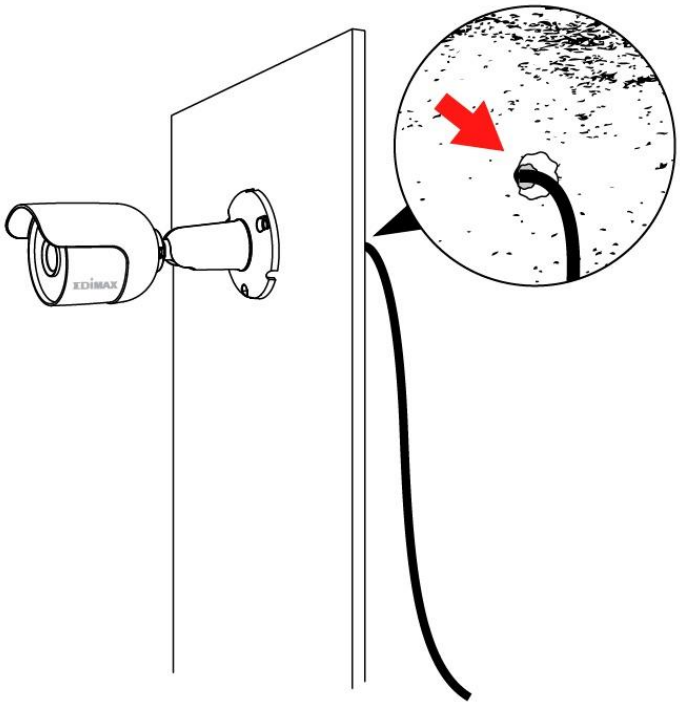
3. Drill an additional hole through to the interior of the building wide enough for the outdoor image unit cable.



4. Run the cable attached to the outdoor image unit through the hole from the outside to the interior.



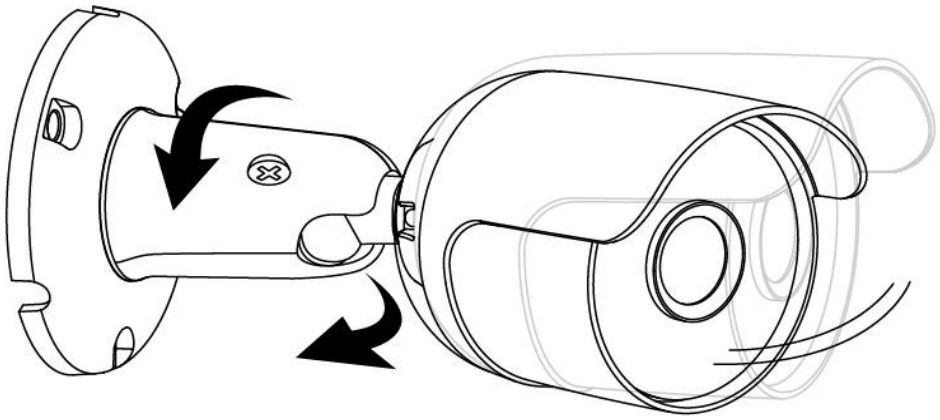
5. Use a sealant to seal the gaps around the cable and screw the outdoor image unit into place.



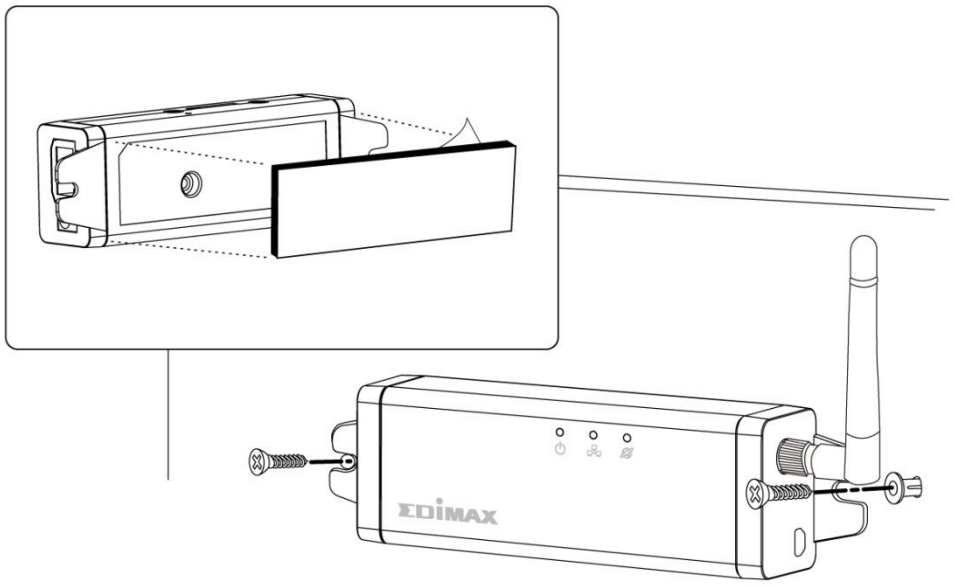
Silicone based sealant is recommended. If your cable hole will not be behind the outdoor image unit, a plastic bushel is also recommended.

6. Use the included screws to screw the outdoor image unit securely into place

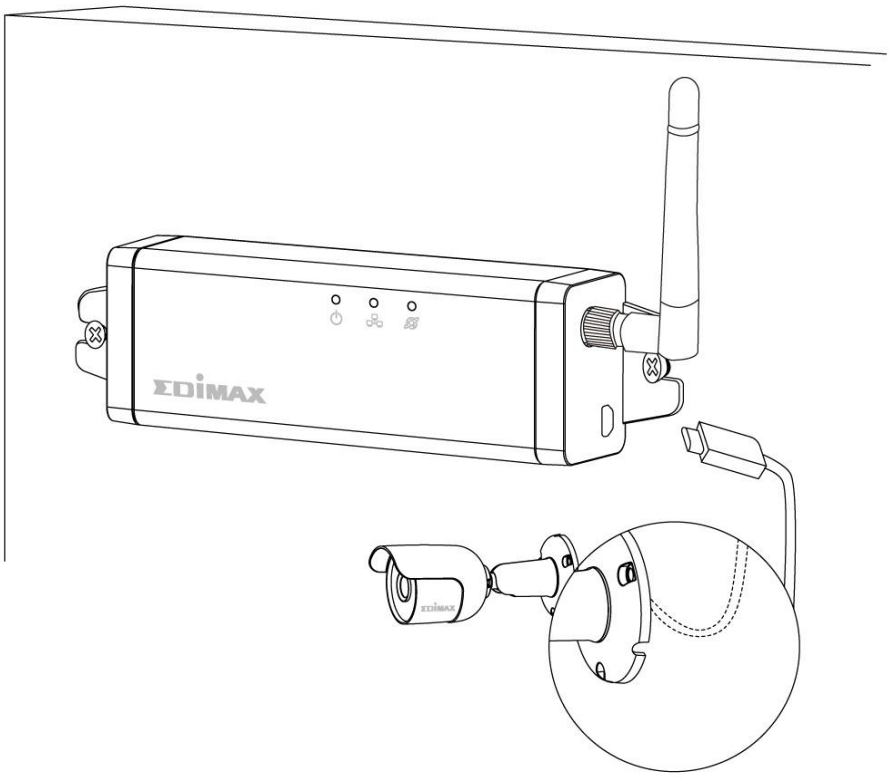
7. Adjust the angle of the camera lens on the outdoor image unit to your preference by loosening & tightening the screw.



8. Use the included adherent pad to attach the indoor main unit to your interior wall, or drill holes in your interior wall and use the included screws to screw it firmly into place.

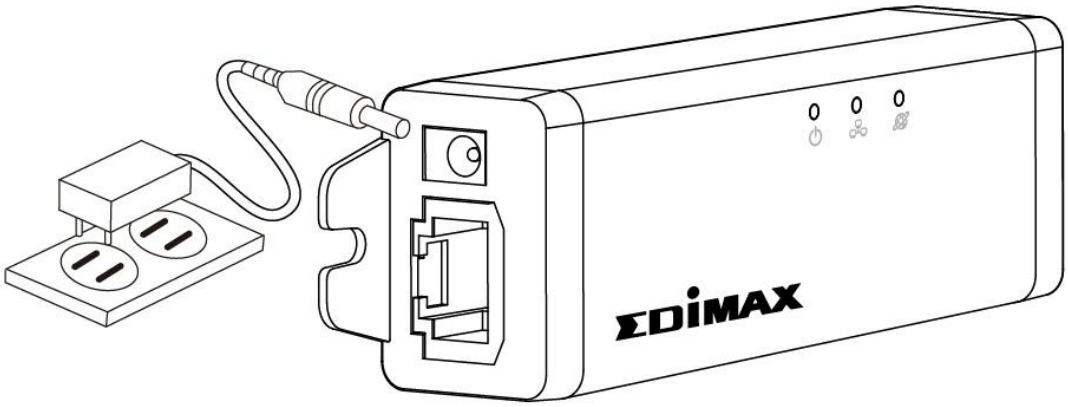


9. Reconnect the antenna and outdoor image unit cable to the indoor main unit.



10. Reconnect the indoor main unit power supply.

Use cable clamps (not included) to fix loose cables to the walls according to your preference.

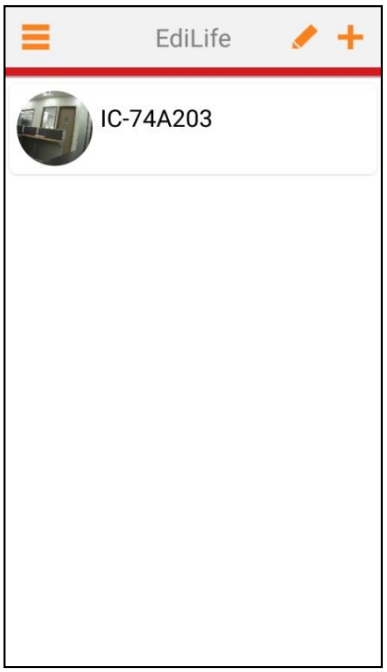


11. You can use an Ethernet cable instead of Wi-Fi to connect the indoor main unit to your router/access point for more stable performance if you prefer.

IV Using the EdiLife App

EdiLife is a convenient app that allows you to remotely control your network camera on-the-go. Refer to the following sections on its functions.

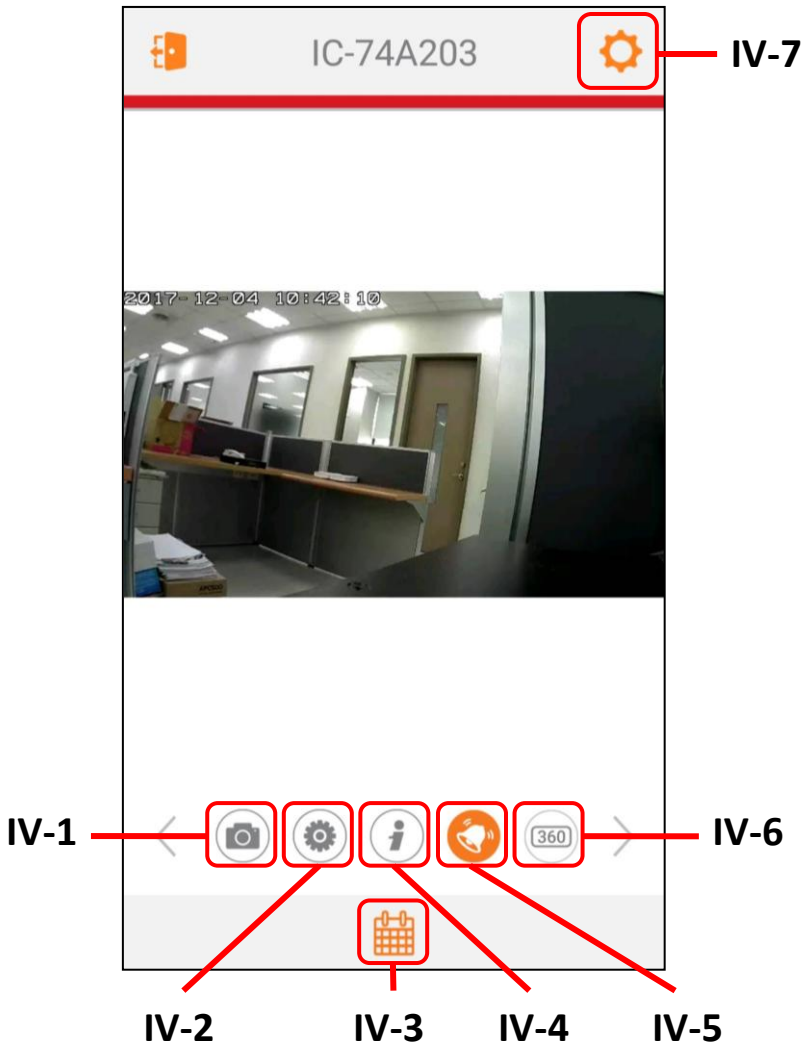
If you have not already, please go through ***II-2 Connecting to EdiLife App*** to connect your network camera to the EdiLife app. If you have, the dashboard of the app will be similar to what is shown below:



Please note that due to the difference in mobile operating systems, the displayed options / information may be slightly different cosmetic-wise.

Clicking on the camera will bring you to the camera streaming page.

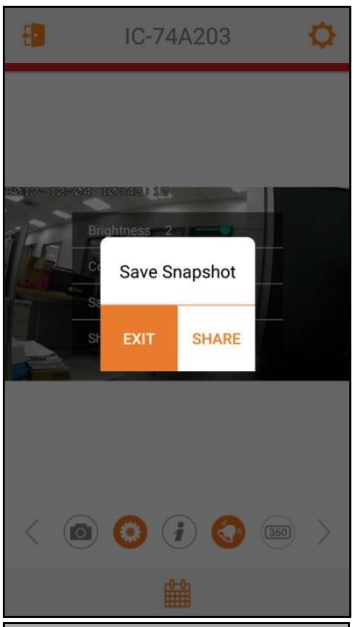
The following sections will explain each options / information outlined in red.



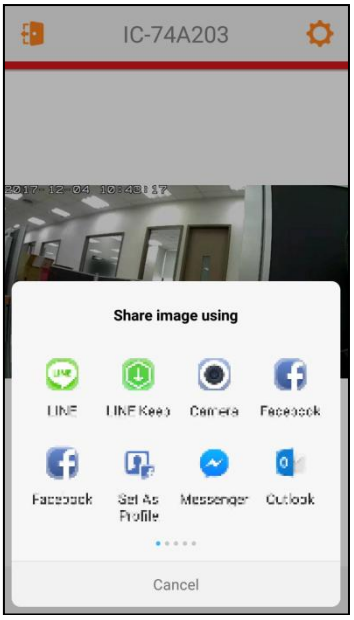
IV-1 Snapshot

Tap the icon to take a snapshot.

Share Snapshot



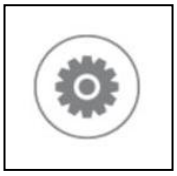
1. Upon tapping the icon to take a snapshot, the app will ask whether to share the snapshot.



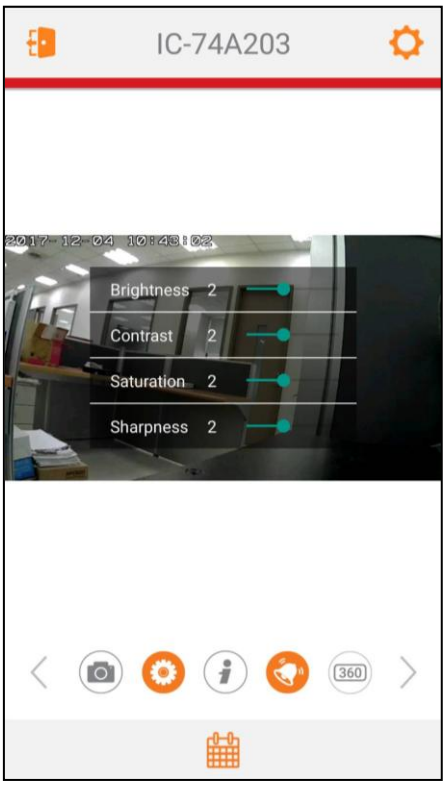
2. Tapping “SHARE” will bring up the available methods to share the image.

Selecting a sharing method will take you to the method’s page that is beyond the scope of this document.

IV-2 Video Settings



Tap this icon to adjust the camera stream. The adjustable options are shown on the screen and can be swiped left or right to adjust.



IV-3 Event

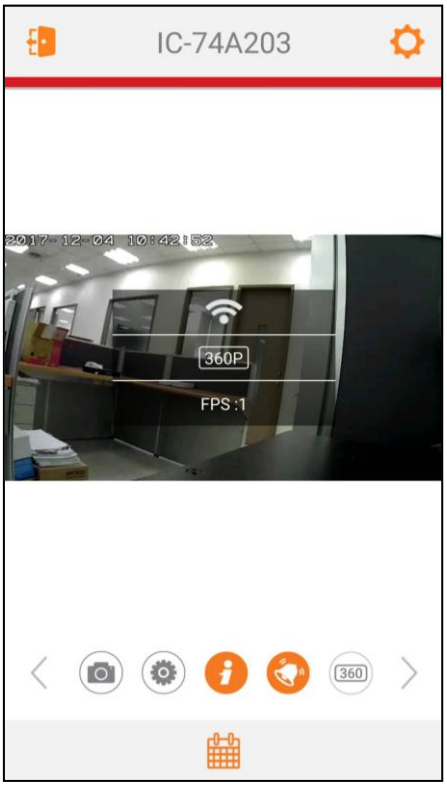
Tap this icon to display the motion detection events.

A maximum of 5 events would be displayed at a time, always replacing the oldest displayed event.

Tapping any of the events will play the motion detection video recorded at the time of the event.
The video is ~10 seconds long.

IV-4 Connection Information

Tap this icon to display current connection information.



1. Connection Methods: P2P, Cloud or LAN.
2. Video Resolution (adjustable, please refer to ***IV-6 Resolution***).
3. Frames Per Second (FPS).

IV-5 Push Notification On / Off

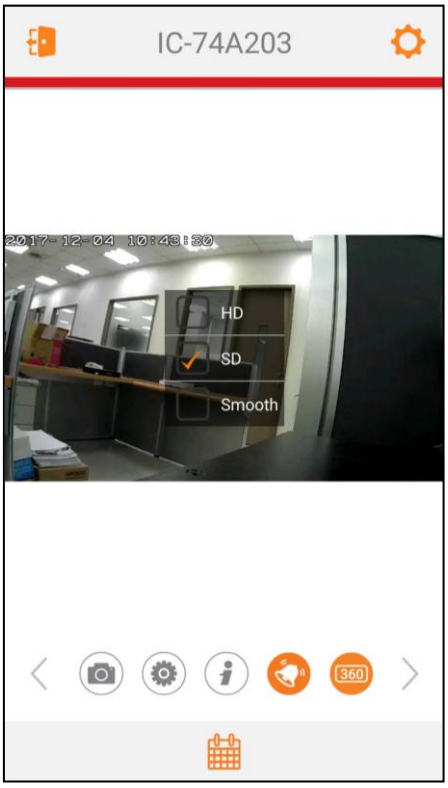
Tap this icon to turn “Push Notification” On or Off.

ON (default)

OFF

IV-6 Resolution

Tap this icon to adjust the resolution of the video stream.

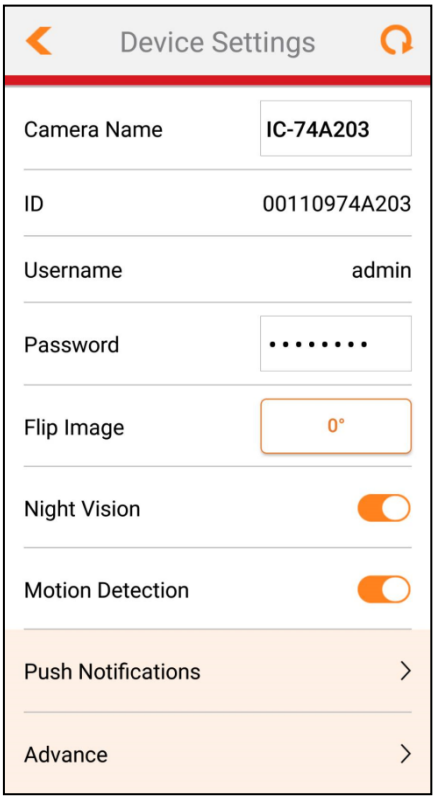


Options Available:

HD: 1280 X 720
SD: 640 X 360
Smooth: 320 X 176

IV-7 Camera Settings

Tap this icon for the camera settings page as shown below:

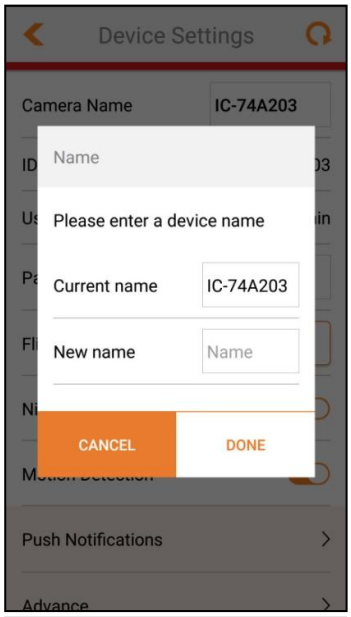


From top to bottom:

1. Camera Name: Tap to change camera name
2. ID: Device MAC address
3. Username: Login account name
4. Password: Login password

- For another mobile device to access your camera.

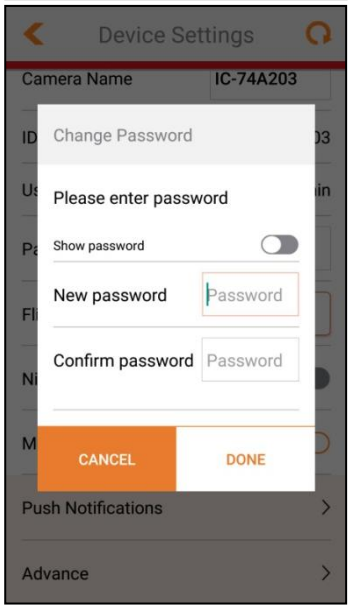
5. Flip Image: flip image by 180°
6. Night Vision: Turn on / off night vision mode
7. Motion Detection: Turn on / off motion detection
8. Push Notifications: Tap to go into push notification settings.
9. Advance: Tap to go into advance settings.



IV-7-1 Camera Name

Tapping the field will allow you to change the camera's name as shown on the left:

Enter a new name and tap "DONE" (for Android) or the button with similar meaning (for iOS).

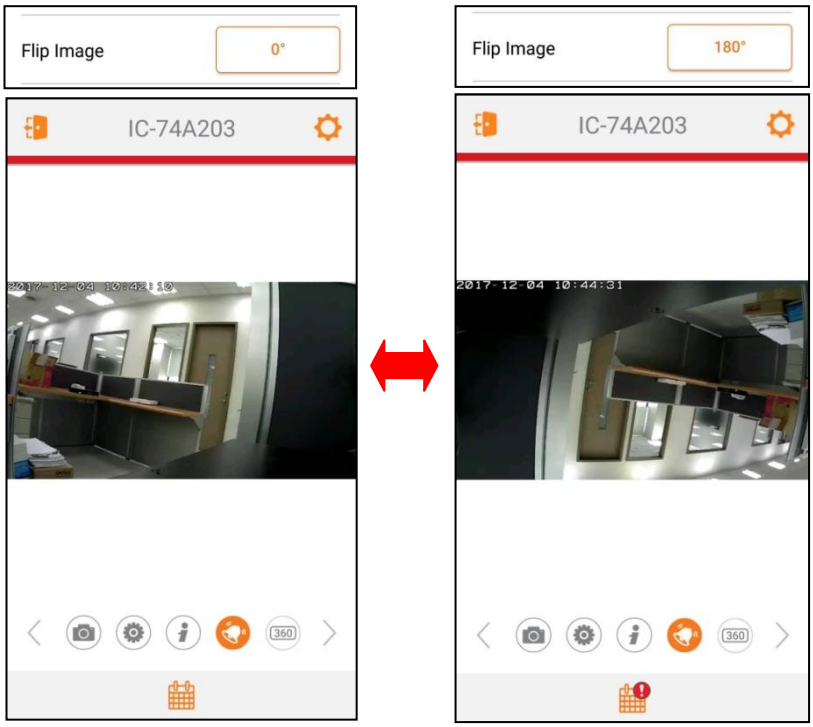


IV-7-2 Change Password

Tapping the field will allow you to change the camera's password as shown on the left:

Enter a new password and tap "DONE" (for Android) or "OK" (for iOS)
The password must be over 8 alphanumeric characters.

Enter this password in another mobile device to access your camera.

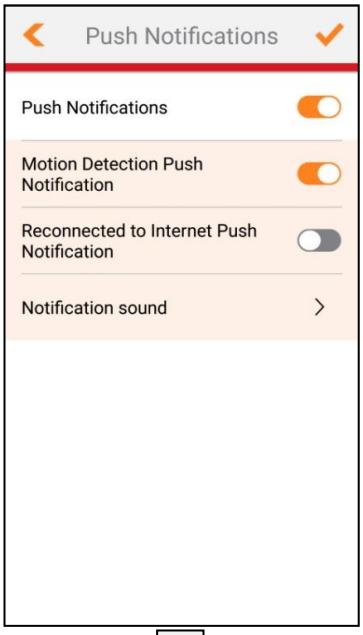


IV-7-3 Flip Image

Flips the video by 180°.

IV-7-4 Push

Notification Settings

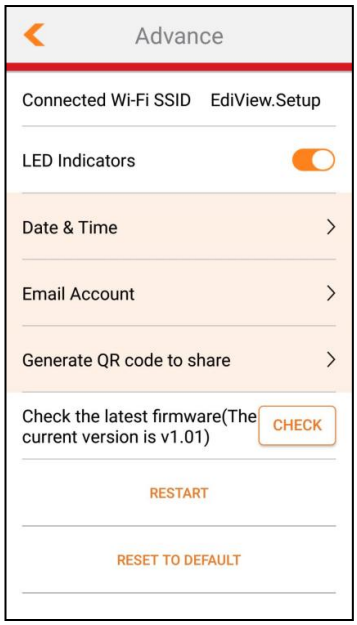


Tap the ***Push Notifications*** bar to enter push notification settings.

1. **Push Notifications:** Tap the icon to turn on / off all push notifications.
2. **Motion Detection Push Notification:** Tap the icon to turn on / off push notifications from motion detection.
3. **Reconnected to Internet Push Notification:** Tap the icon to turn on / off push notifications from the network camera reconnecting to the Internet.
4. **Notification sound:** Tap this bar to choose a notification sound.

Tap the icon to save the changes, or to forfeit the changes.

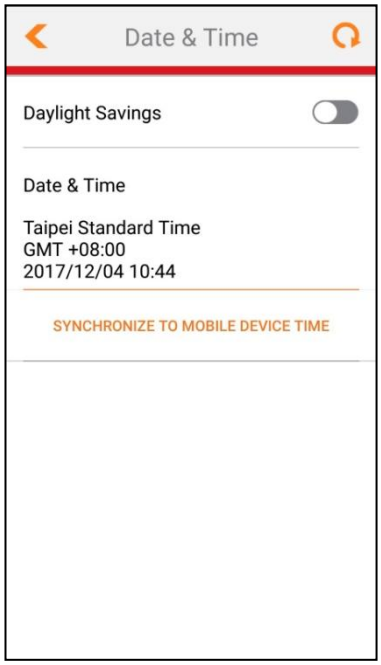
IV-7-5 Advance Settings



Tap the ***Advance*** bar to enter advance settings menu.

1. **Connected Wi-Fi SSID:** Displays the connected Wi-Fi network name.
2. **LED Indicators:** Tap the icon to turn on / off the LED indicators (on the *Indoor Main Unit*).
3. **Date & Time:** Tap the bar to enter the date and time settings (more information in its section below).
4. **Email Account:** Tap this bar to enter the email account settings (more information in its section below).
5. **Generate QR code to share:** Tap this bar to display the QR code (more information in its section below).
6. **Check the latest firmware**: Displays current firmware version. Tap the CHECK button to check for the newest firmware.
7. **RESTART:** Tap this bar to reboot the network camera.
8. **RESET TO DEFAULT:** Tap this bar to reset the network camera to its default settings.

IV-7-5-1 Date & Time

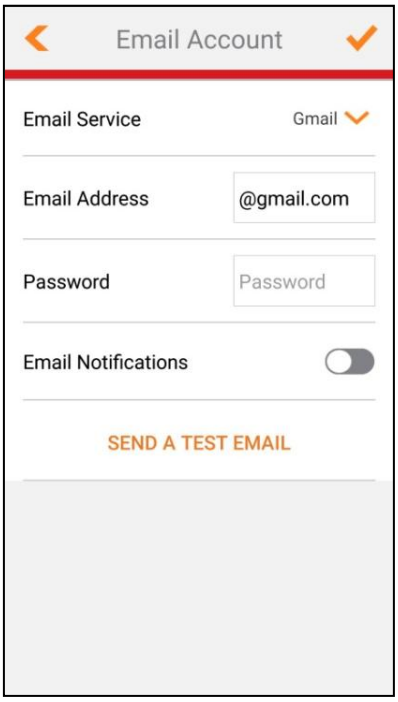


1. **Daylight Savings:** Tap the icon to turn on / off daylight savings setting.
2. **Date & Time:** Displays current date and time.
3. **SYNCHRONIZE TO MOBILE DEVICE TIME:** Tap this bar to synchronize date and time to your mobile device's time.

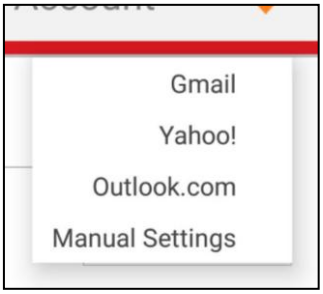
Tap icon to refresh current date and time.

IV-7-5-2 Email Account

To use email notifications, you need to configure an email address to send and receive the mail.
Follow the guide below to configure the email notification settings for different email services:



Tap the icon to select the email service (more information in its section below). Select one of Gmail, Yahoo!, Outlook.com, or Manual Settings as your email service.

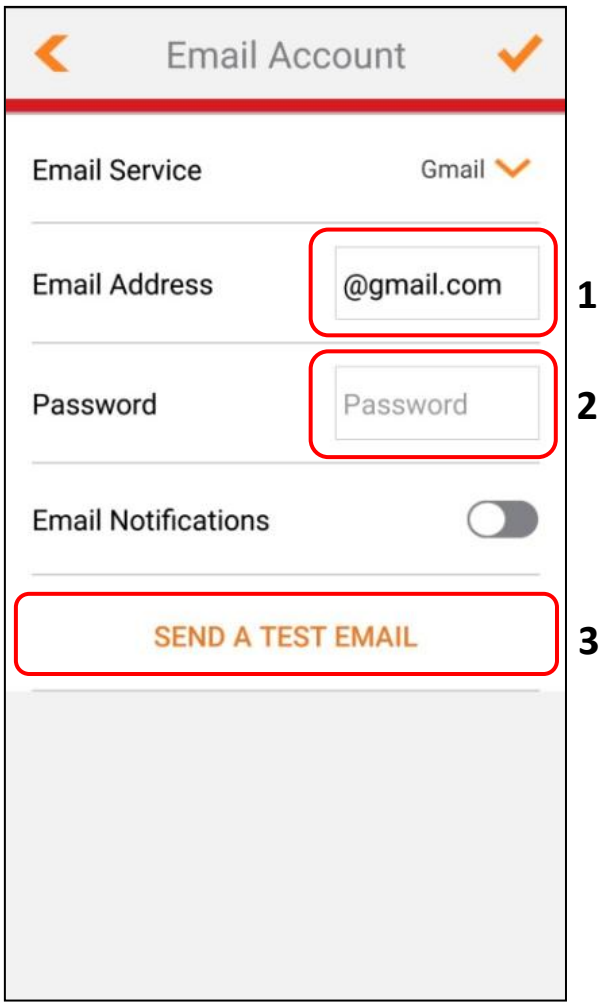


<u>Gmail, Yahoo! and Outlook</u>

Gmail, Yahoo! and Outlook email services have pre-configured settings to help facilitate the setup process.
We will use Gmail as an example here:

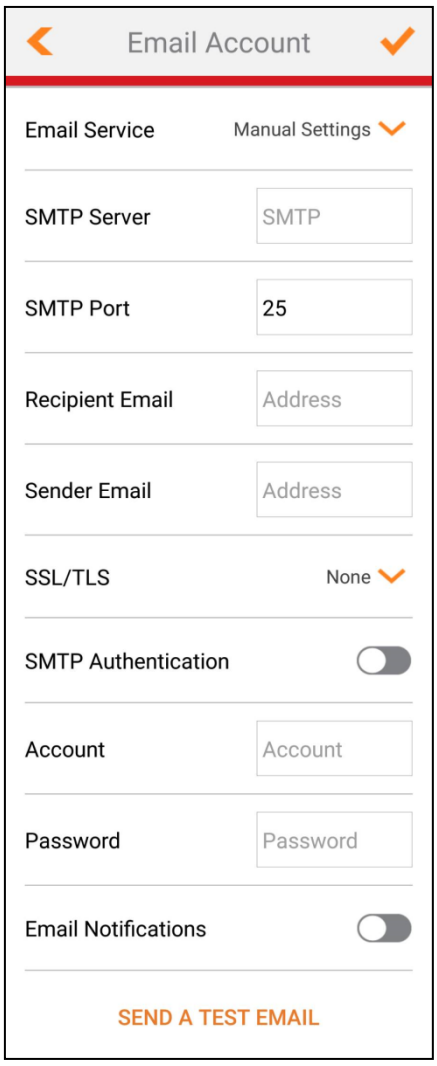
1. Enter the email address in the “Email” space.
2. Enter the password of your email address service in the password space.
3. Send a test email by selecting the “Send a Test Email” option to check if your configuration is operational.

Refer to “Send a Test Email” section below if you are unable to send the test email.



Manual Settings

If you wish to use other email services, please select “Manual Settings” with further options as shown below:



Follow the table below to enter the information required to setup the email service.

Where you are unsure about the information below, consult your email service provider.

SMTP Server	Input the host name or IP address of the SMTP server for the email sender.
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.
Recipient Email	Enter the email recipient’s email address here.

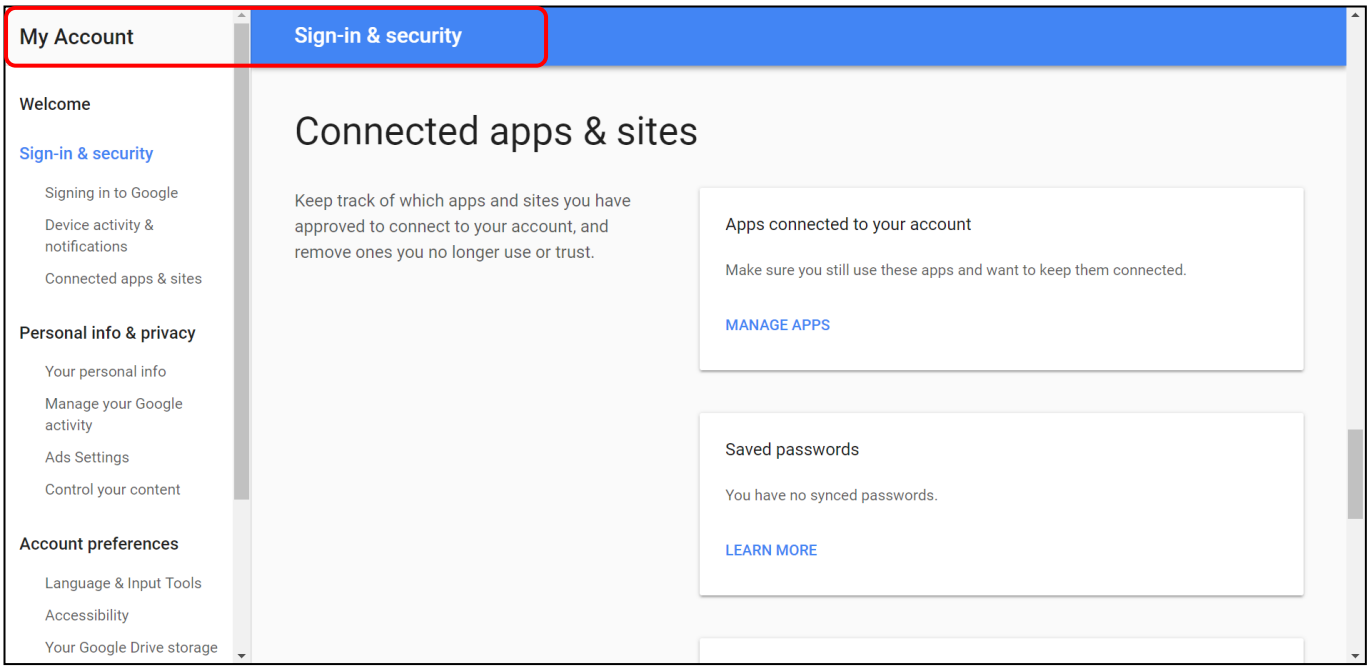
Sender Email	Enter the sender's email address here.
SSL/TLS	When the arrow is selected, options are as shown on the right: Select "SSL" or "TLS" when your SMTP server requires encryption. None SSL v2/v3 TLS v1
SMTP Authentication	Enable this option when your SMTP server requires authentication. = Enable; = Disable
Account	Input the SMTP account name when your SMTP server requires authentication.
Password	Input the password used for SMTP server authentication. Password can be shown while entering if you turn "Show password" option on.

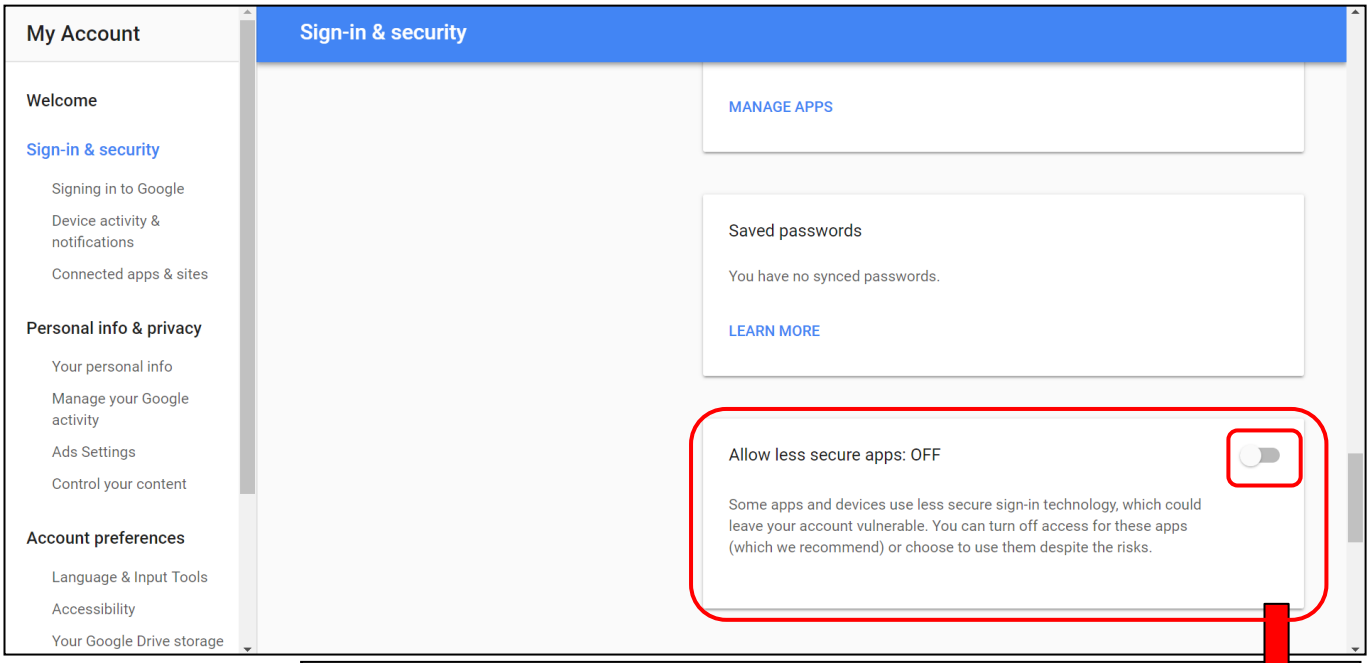
Send a Test Email

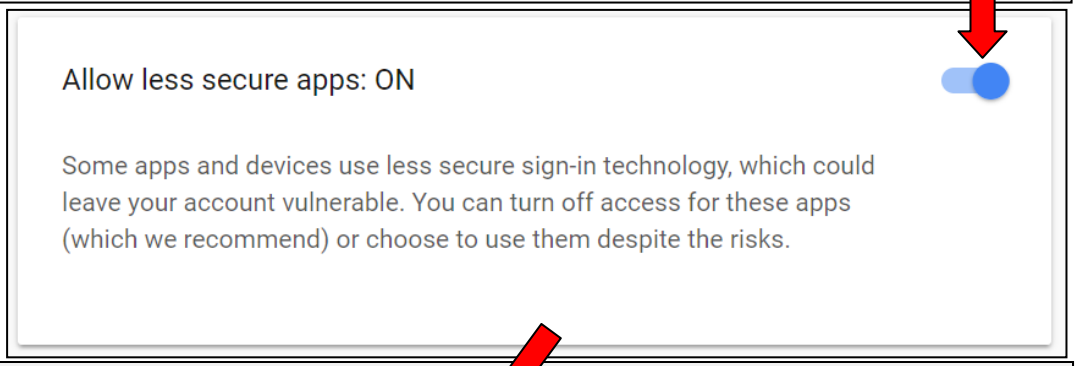
The app can ***send a test email*** to check everything is set up correctly.

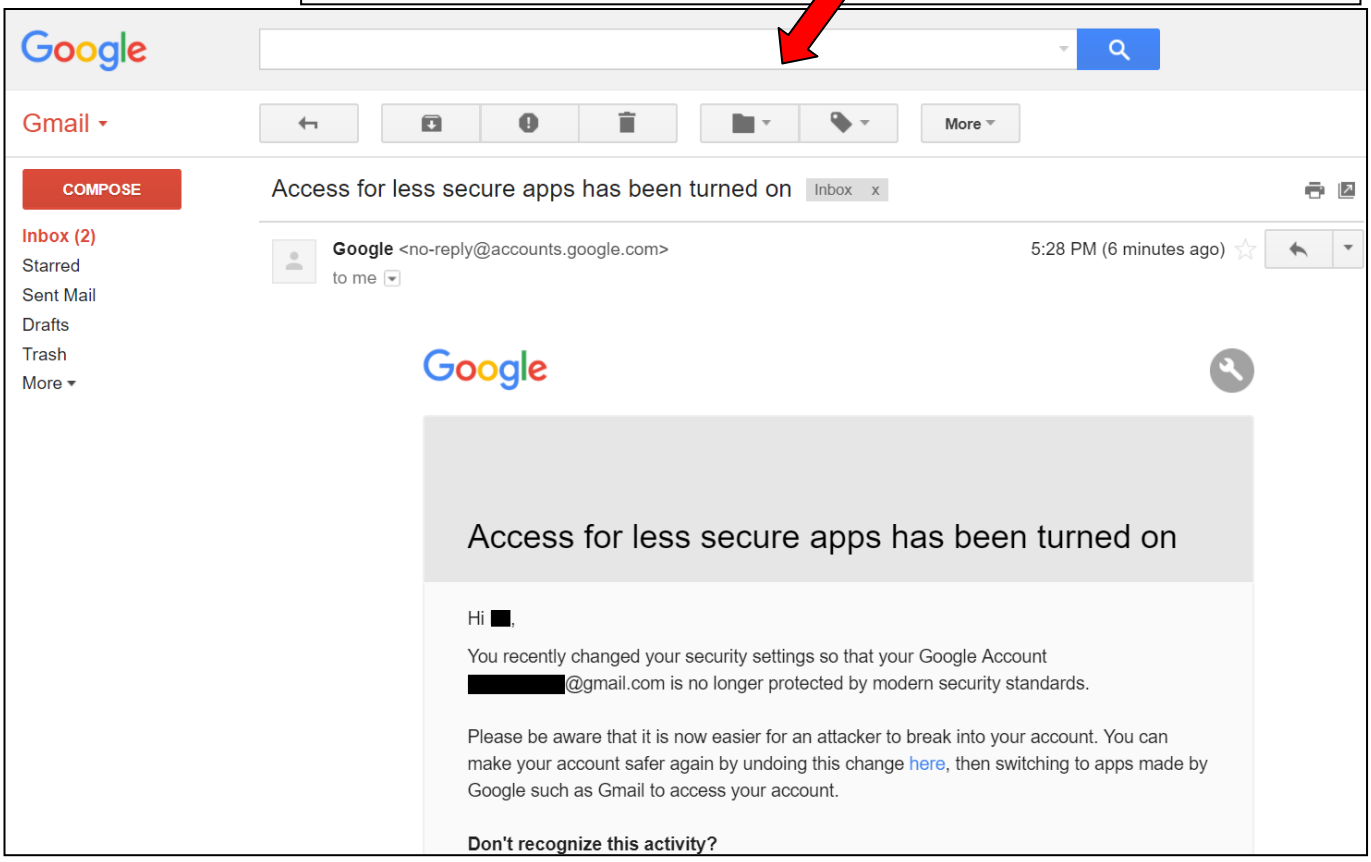
If you cannot receive the email, or if any error message is displayed, please first check your settings.

If the problem persists, please go to the settings of your mail service provider and turn on the "Allow Less Secure Apps" option. Gmail settings is shown below as an example:




My Account
Welcome
Sign-in & security
Signing in to Google
Device activity & notifications
Connected apps & sites
Personal info & privacy
Your personal info
Manage your Google activity
Ads Settings
Control your content
Account preferences
Language & Input Tools
Accessibility
Your Google Drive storage
Sign-in & security
MANAGE APPS
Saved passwords
You have no synced passwords.
LEARN MORE
Allow less secure apps: OFF
Some apps and devices use less secure sign-in technology, which could leave your account vulnerable. You can turn off access for these apps (which we recommend) or choose to use them despite the risks.

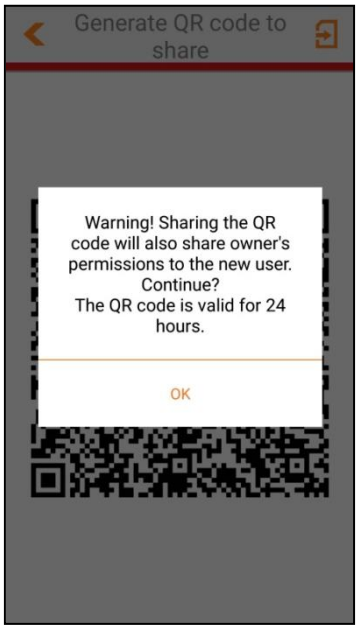

Allow less secure apps: ON
Some apps and devices use less secure sign-in technology, which could leave your account vulnerable. You can turn off access for these apps (which we recommend) or choose to use them despite the risks.


Google
Gmail
More
COMPOSE
Inbox (2)
Starred
Sent Mail
Drafts
Trash
More
Access for less secure apps has been turned on
Inbox x
Google <no-reply@accounts.google.com>
to me
5:28 PM (6 minutes ago)
Google
Access for less secure apps has been turned on
Hi [redacted],
You recently changed your security settings so that your Google Account [redacted]@gmail.com is no longer protected by modern security standards.
Please be aware that it is now easier for an attacker to break into your account. You can make your account safer again by undoing this change here, then switching to apps made by Google such as Gmail to access your account.
Don't recognize this activity?

IV-7-5-3 Generate QR code to share

Tap the “Generate QR code to share” bar to display a QR code.
You can share your device’s information directly using this QR code.

Upon entering the QR code page, a warning message will be shown:



Tap “OK” to continue displaying the QR code.

You can also tap the icon (outlined in red) to save the QR code to your mobile device. Please note, however, that it only lasts 24 hours as said on the warning message.

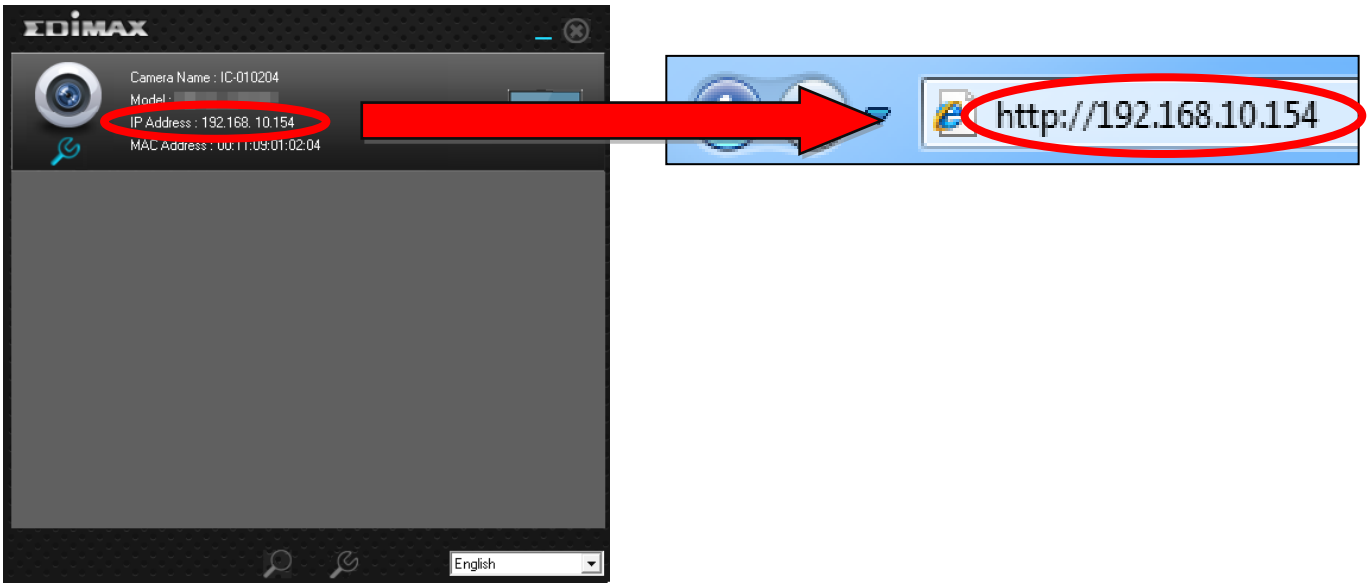
V Web-Based Management Interface

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.

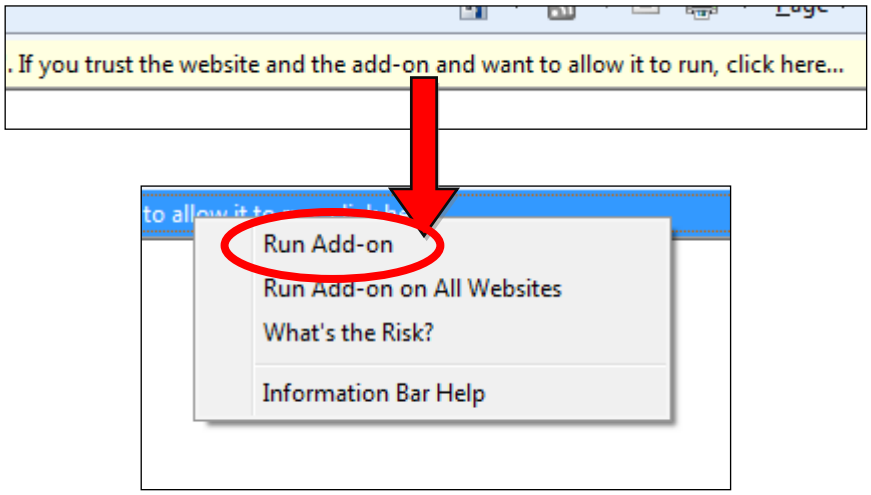
You can access the web-based management interface with a web browser on a smartphone or computer. For smartphone users, the appearance of the interface will vary slightly to what is displayed here, though the menu functions described from ***V-1 Basic*** onwards are essentially the same.

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.

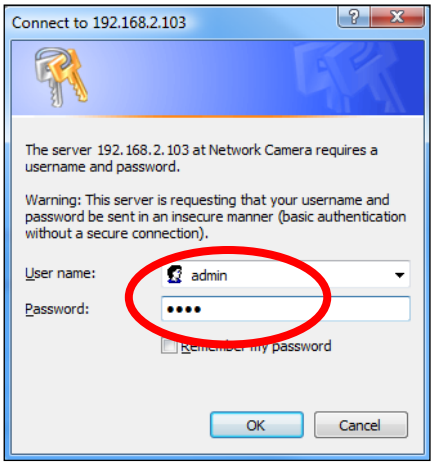


2. You may be prompted to allow a Java add-on to run. Please click the message where it says “click here” and then click “Run Add-on”.

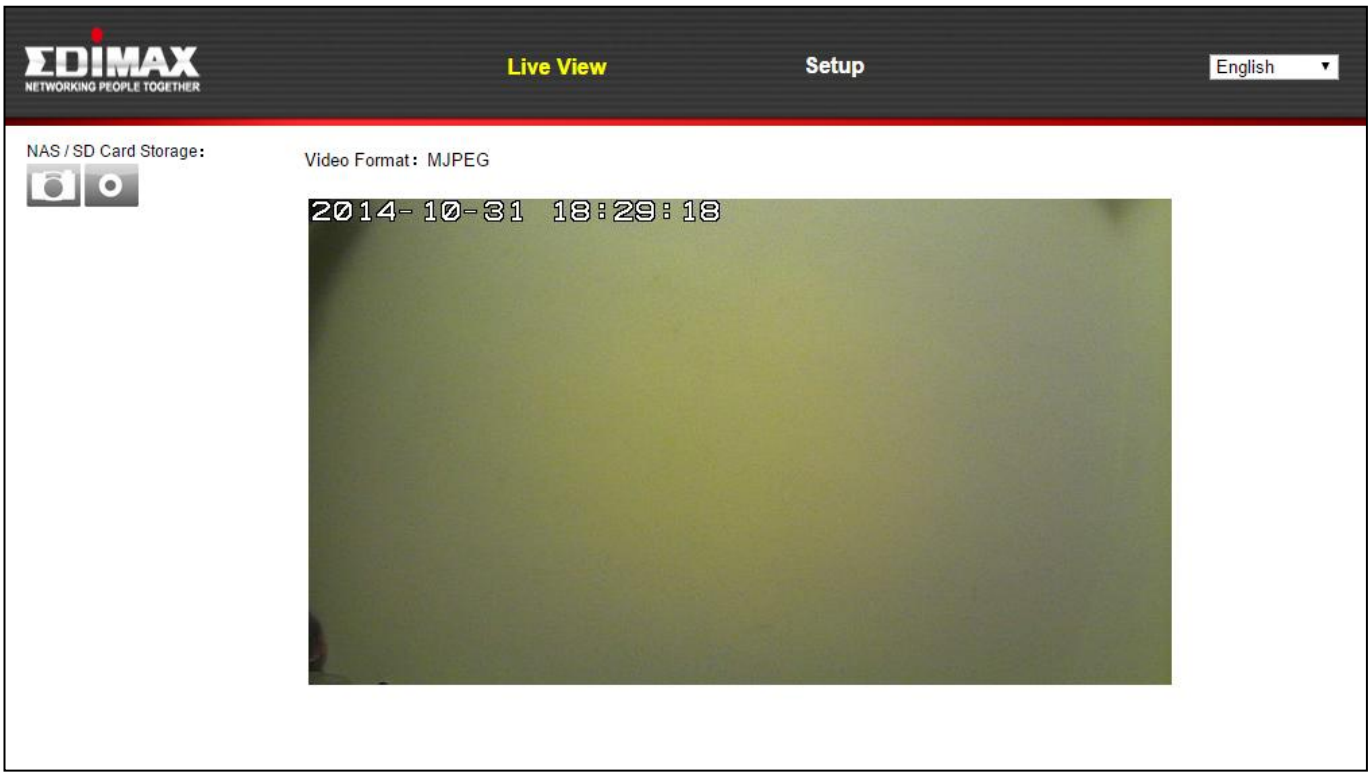


If any other security warnings/prompts appear, please select “Run” or “Allow” or similar, depending on your browser.

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.

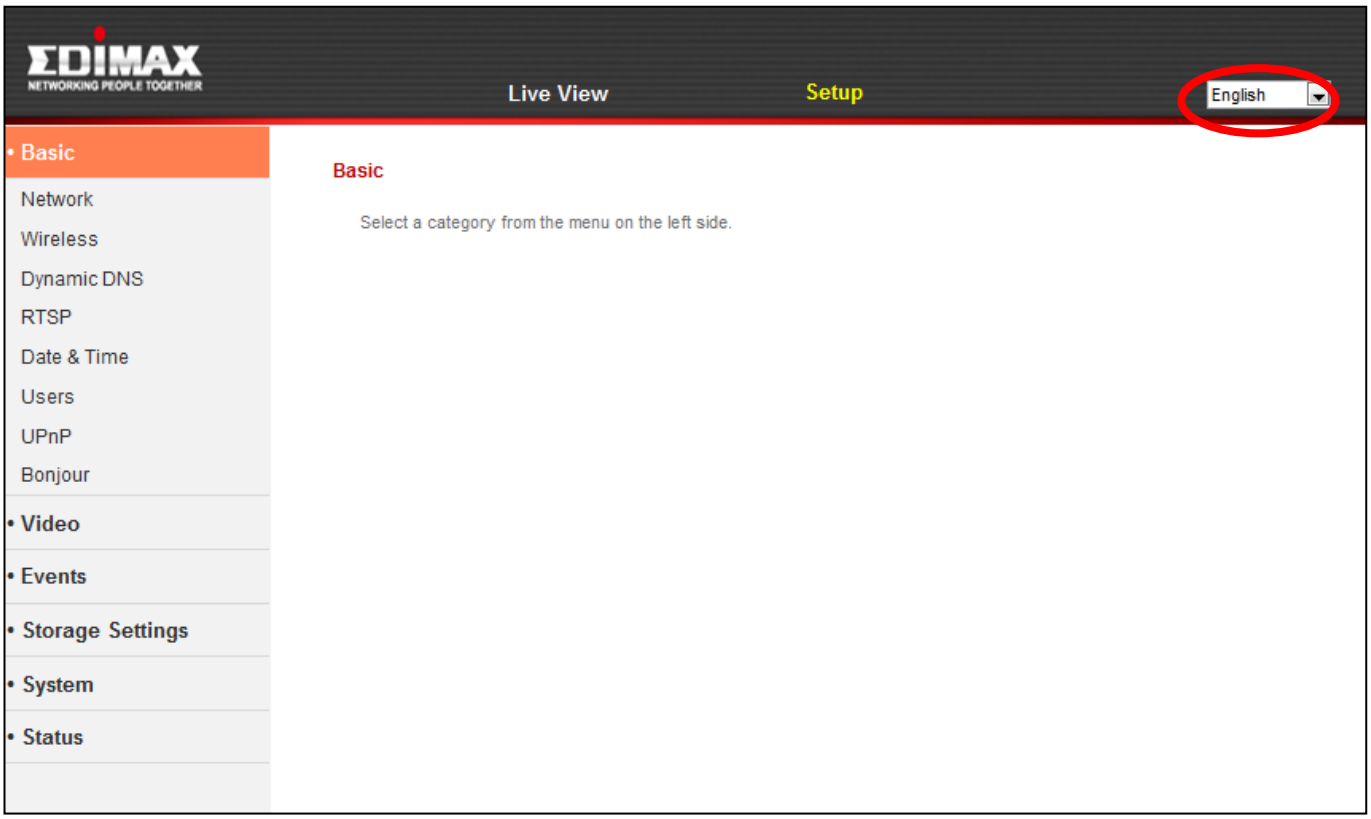


4. For computer users, the “Live View” screen will be displayed, as shown below. On the live view screen you can see a live stream from your camera and use the icons on the left side.

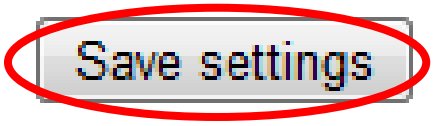


Snapshot	Save a snapshot (image) of the network camera’s current view. You will be prompted to select a location to save the image.
Record	Record video. You will be prompted to select a location to save the recording. The icon will display blue while recording, click the icon again to stop recording.

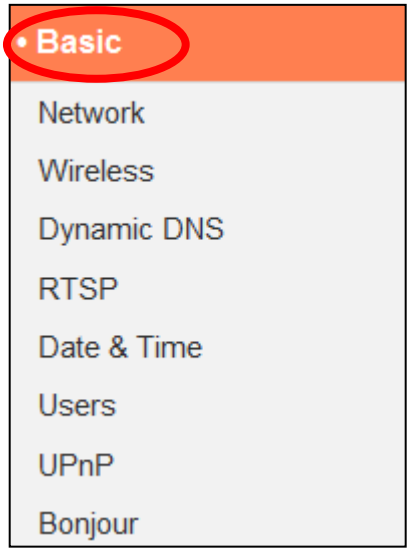
5. Select “Setup” at the top center and use the menu down the left side to navigate to the network camera’s various settings. Each menu item is described in the following chapters.



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



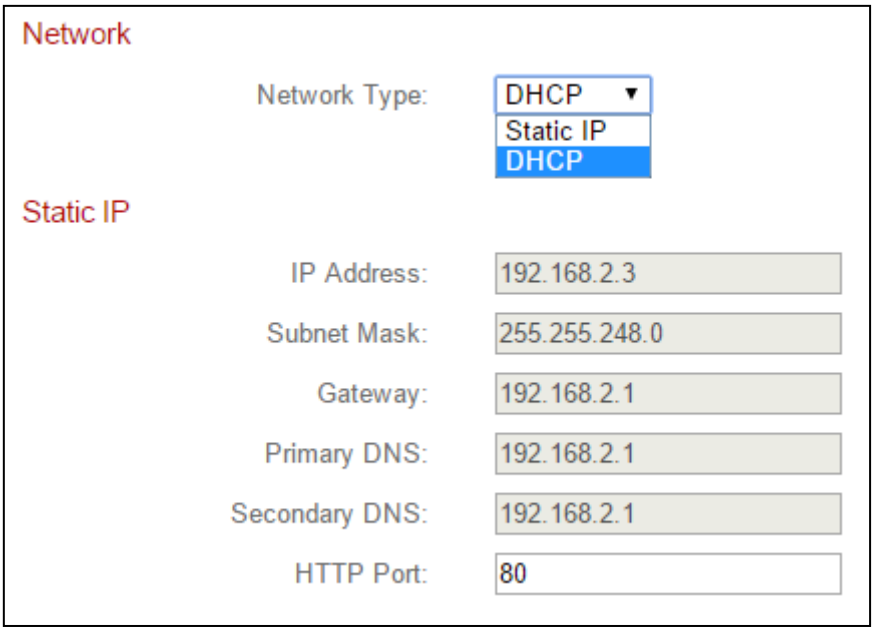
V-1 Basic



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.

V-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.

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.

V-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.

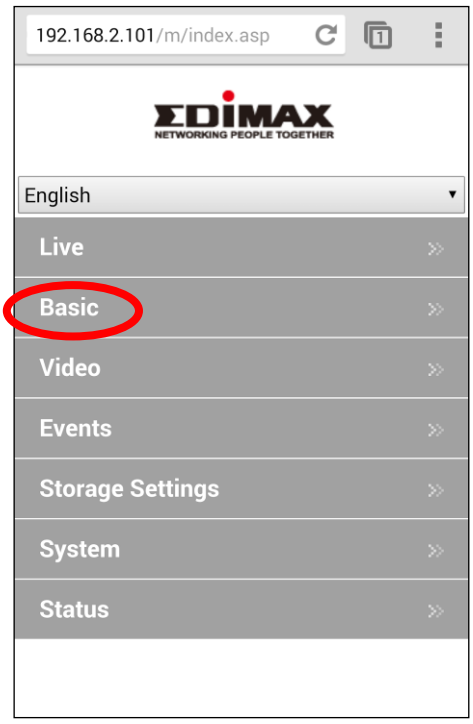
Mac users need to configure these settings manually since EdiView Finder on Mac will not set up your camera's wireless connection. A quick guide to set up your network camera's wireless connection using a smartphone or a computer is included below.

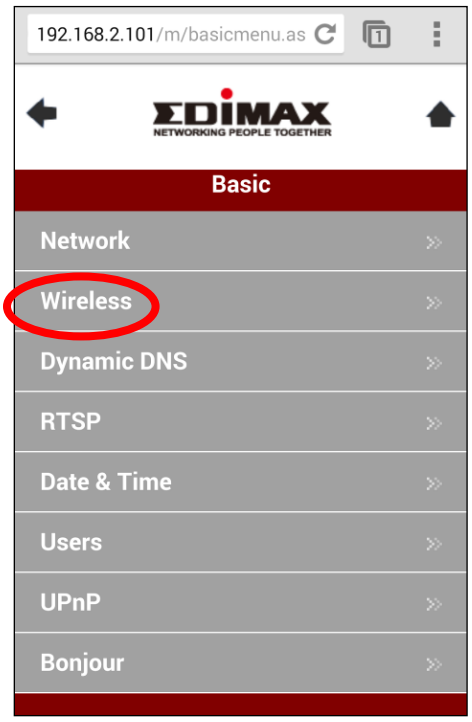
Mac users setting their network camera's wireless connection for the first time please ensure your network camera is connected to your router/access point/switch via Ethernet cable.

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.)

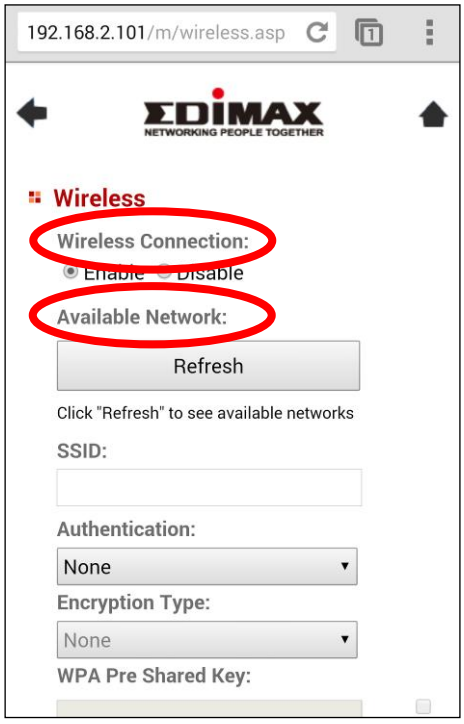
V-1-2-1 Smartphone

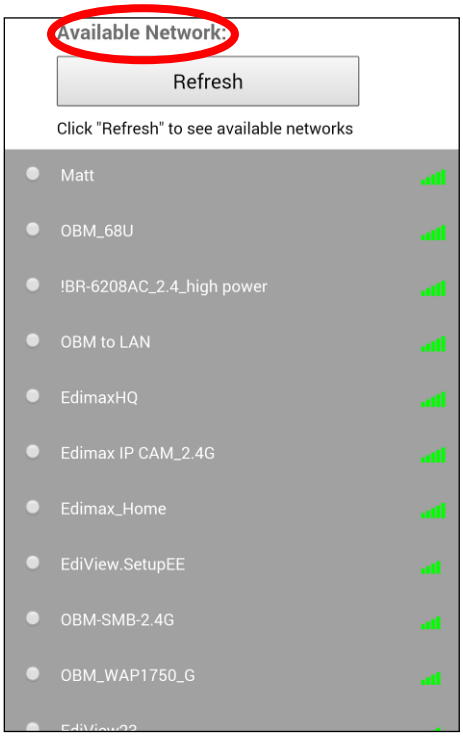
1. Select “Basic” from the menu on the left side and then select “Wireless”.



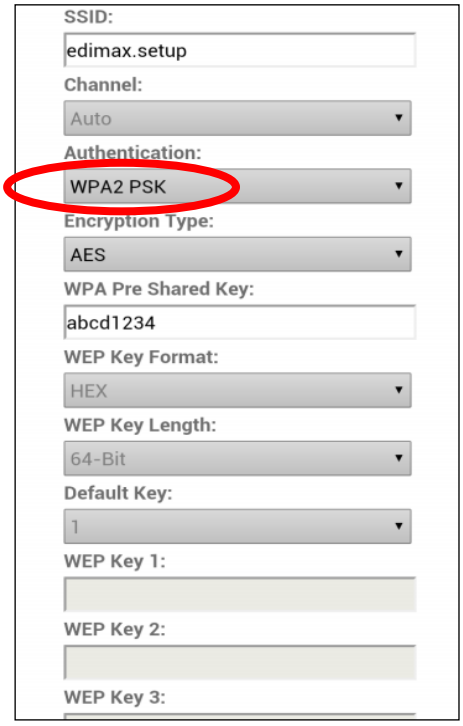


2. Configure the wireless settings **A – E** shown in the table below:

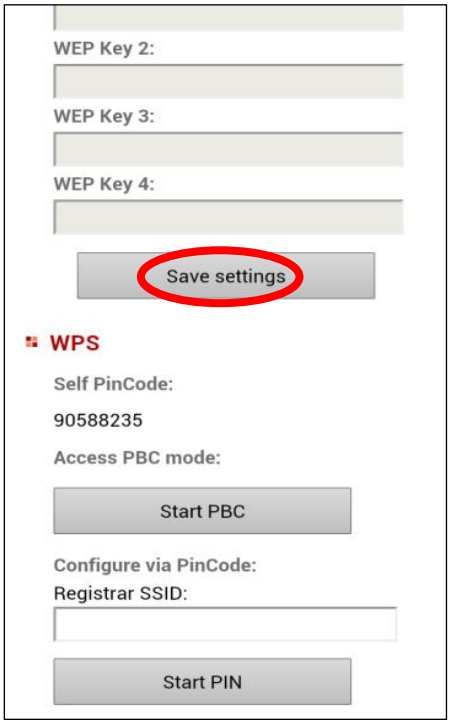




D



E

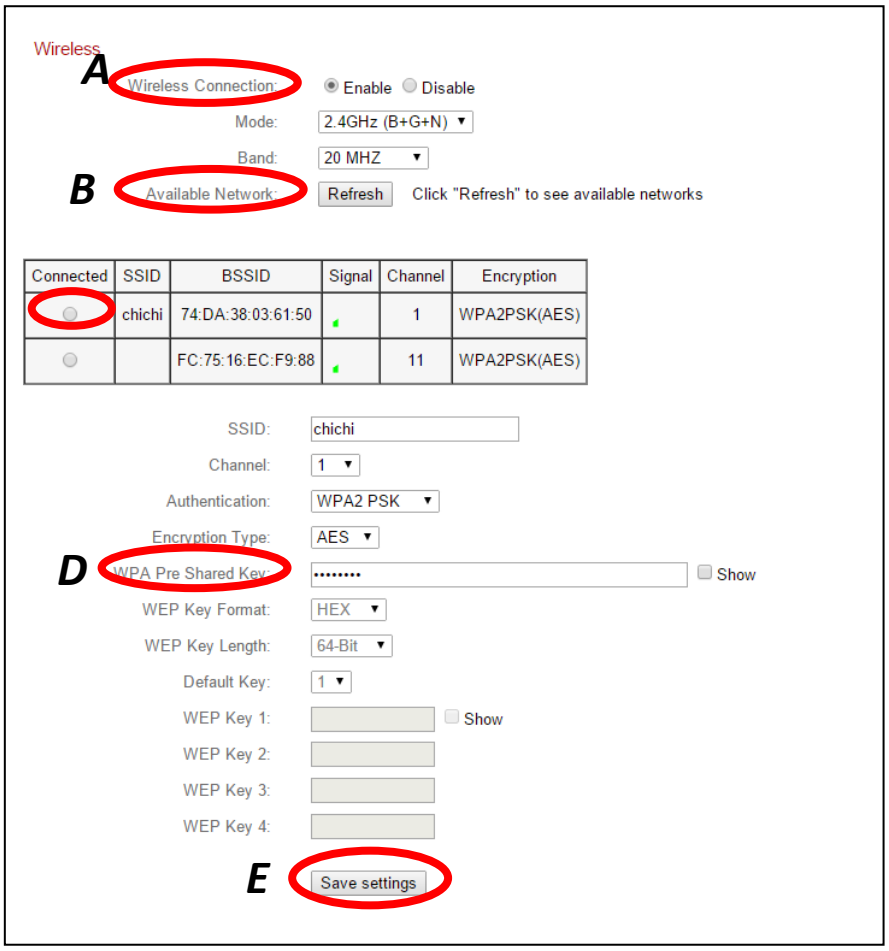


A	**Wireless Connection**	Select “Enable” to enable the wireless connection.
B	**Available Network (1)**	Click “Refresh” to display all available Wi-Fi networks.
C	**Available Network (2)**	Select your Wi-Fi network from the list. This is the wireless network which your camera will connect to.
D	**WPA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

V-1-2-2 Computer

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

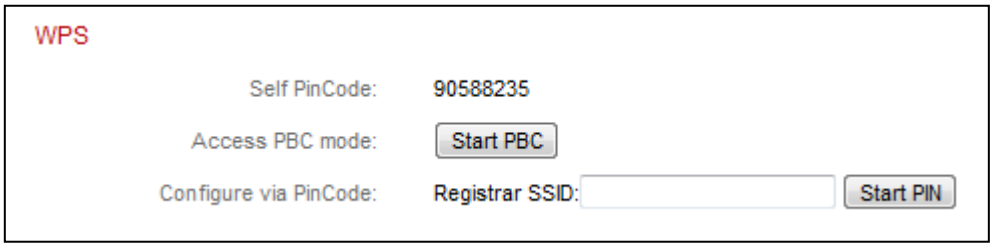


A	**Wireless Connection**	Select “Enable” to enable the wireless connection.
B	**Available Network**	Click “Refresh” to display all available Wi-Fi networks.
C	**Connected**	Select your Wi-Fi network from the list. This is the wireless network which your camera will connect to.
D	**WPA Pre Shared Key**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

V-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”.

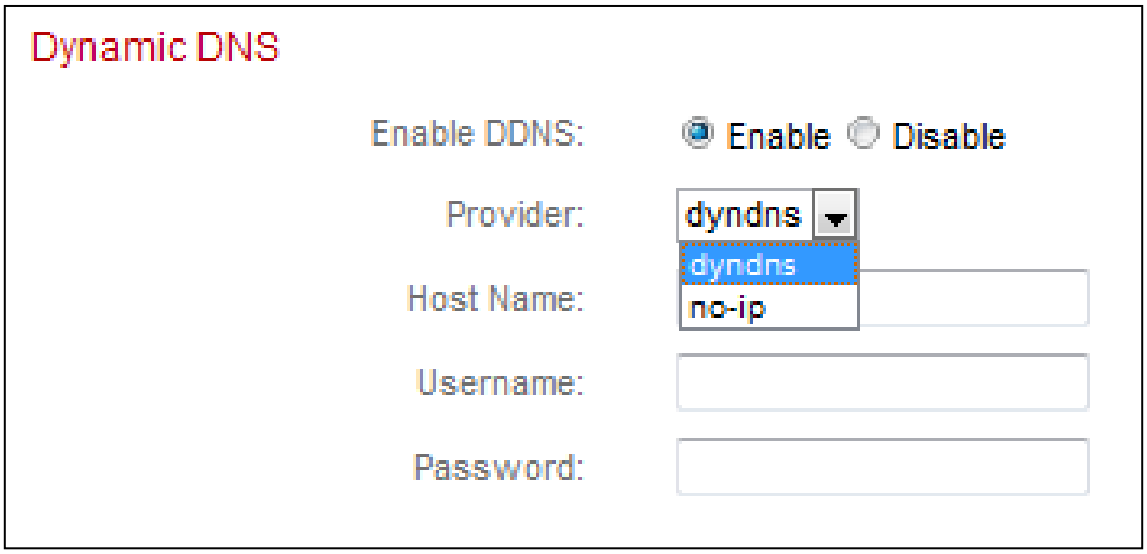


Self PinCode	Your network camera’s WPS PIN code is listed here.
Access PBC Mode	Click “Start PBC” to activate push-button WPS on your network camera. This has the same effect as physically pushing the built-in hardware WPS button.
Configure via PinCode	Enter the SSID you wish to connect to and click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

V-1-3 Dynamic DNS

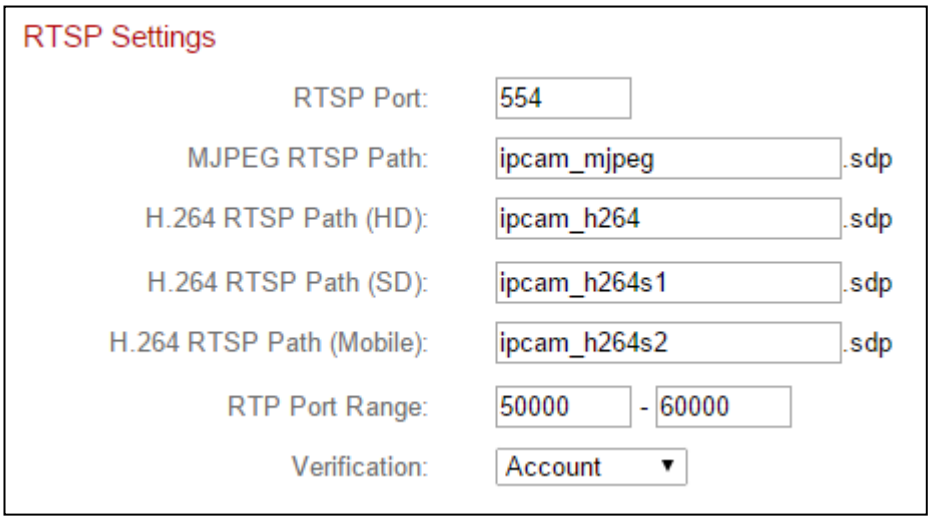
Dynamic DNS (DDNS) is a service which provides a hostname-to-IP service for dynamic IP users. If your Internet service provider didn't issue a fixed IP address, you can use a third-party dynamic DNS provider to map your current IP address to a fixed IP address. Several free or paid DDNS services are 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.

V-1-4 RTSP

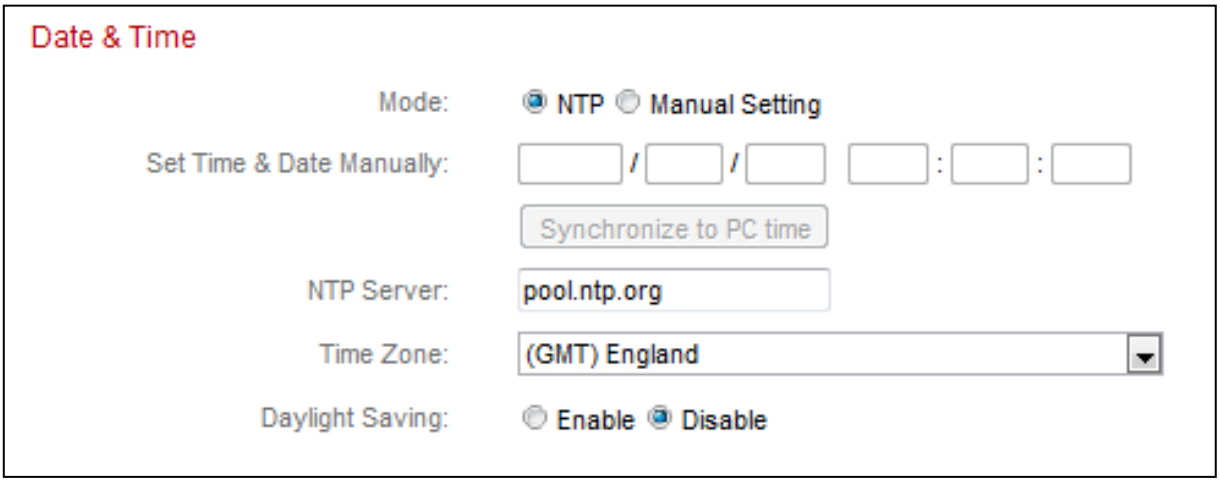
Real Time Streaming Protocol (RTSP) enables the network camera to be used with a streaming media server. Enter the required RTSP settings.



RTSP Port	Enter the RTSP port.
MJPEG RTSP Path	Enter the MJPEG RTSP path.
H.264 RTSP Path (HD)	Enter the H.264 High Definition (HD) RTSP path.
H.264 RTSP Path (SD)	Enter the H.264 Standard Definition (SD) RTSP path.
H.264 RTSP Path (Mobile)	Enter the H.264 Mobile RTSP path.
RTP Port Range	Enter the RTP port range.
Verification	Select a verification type from the drop down menu.

V-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.

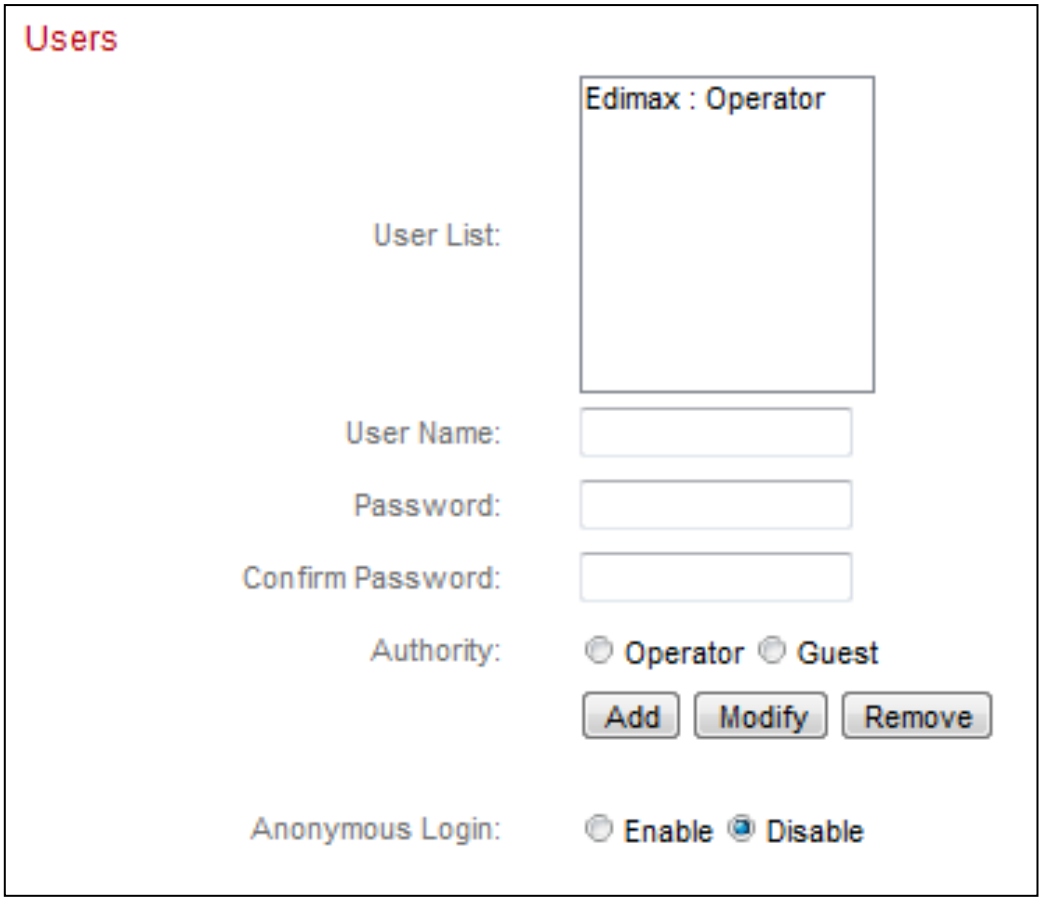


Mode	Select "NTP" or "Manual Setting". NTP (Network Time Protocol) can set and maintain the time and date automatically via an NTP server on the local network, if available.
Set Time & Date Manually	For manual setting mode, enter the correct time and date in the following format: YYYY/MM/DD HH:MM:SS
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.

V-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 partial functions of the network camera similar to the administrator account, while guest accounts can only view the camera's image.

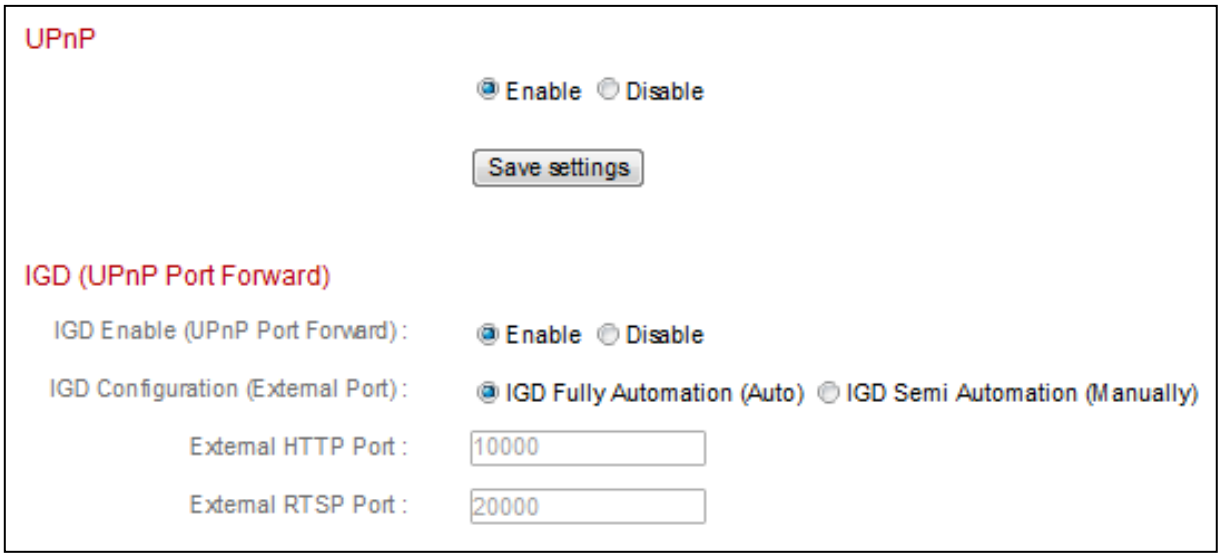


User List	Existing users are listed here. Select a user here to modify the settings.
User Name	Input user's name here.
Password	Input user's password here.
Confirm password	Input user's password here again for confirmation.
Authority	Select the user's authority: Operators can view video and configure 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.

V-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.



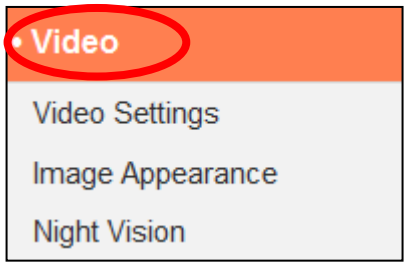
Enable/Disable	Enable or disable UPnP.

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.

V-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".

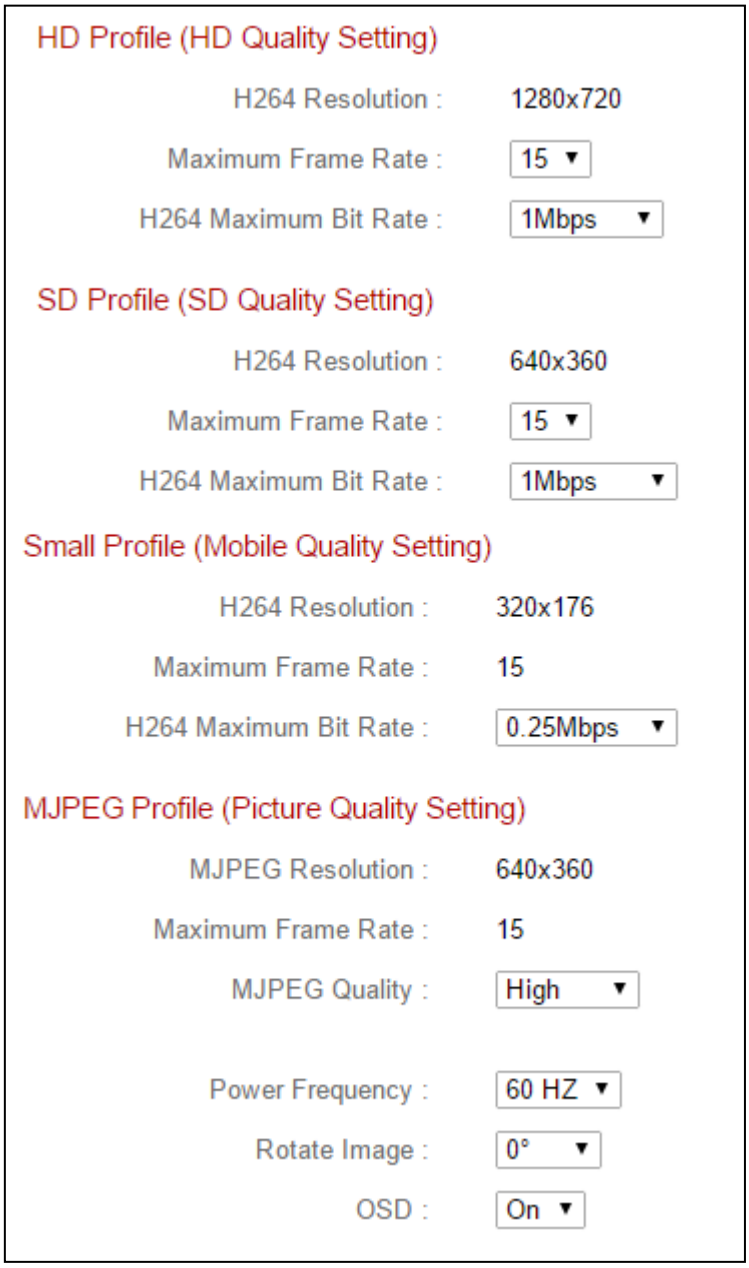
V-2 Video



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.

V-2-1 Video Settings

The “Video Settings” page enables you to modify the network camera’s resolution and frame rate settings for different profiles: HD, SD, Small (mobile) & MJPEG.

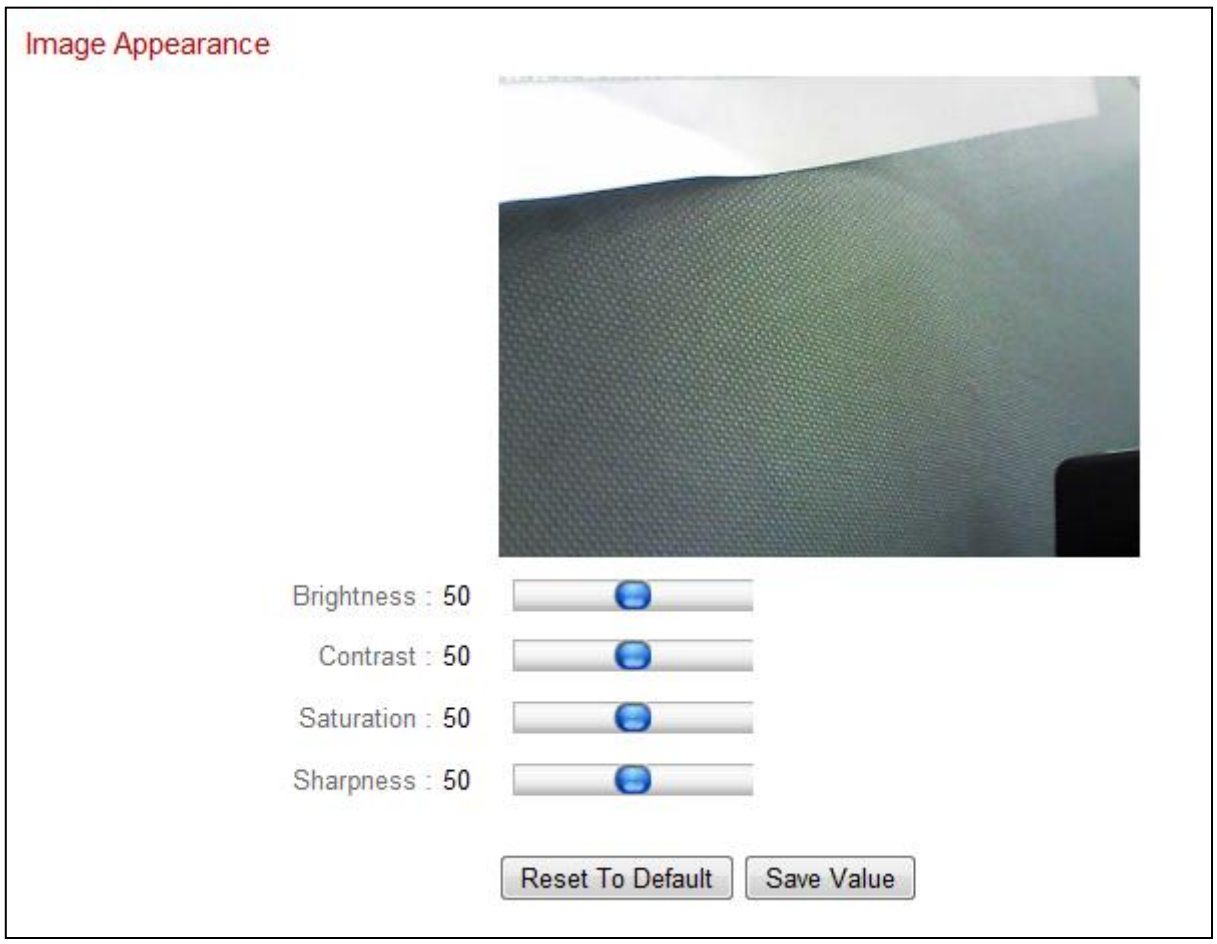


H264 Resolution	Select a H264 video resolution from the dropdown menu. A higher resolution provides more detailed video but requires more bandwidth.
H264 Maximum Bit Rate	Select a maximum bit rate for H264 videos from the dropdown menu. A higher bit rate provides more detailed video but requires more bandwidth. The bit rate is accurate ±20%.
MJPEG	Select a MJPEG video resolution from the dropdown menu. A

Resolution	higher resolution provides more detailed video but requires more bandwidth.
Maximum Frame rate	Select the maximum video frame rate. A higher frame rate provides smoother video, but also requires more bandwidth.
MJPEG Quality	Select a quality level for MJPEG videos from the drop down menu. Higher quality requires more bandwidth.
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.
Rotate Image	Rotate the camera's image by the specified angle.
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.

V-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.

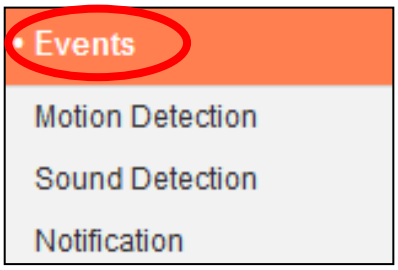


Brightness/ Contrast/ Saturation/ Sharpness/	Click and drag the blue lever to change the value according to your preference for each category.
Reset to default	Click to reset all settings back to the default value of 50.
Save value	Save changes.

V-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.

V-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.

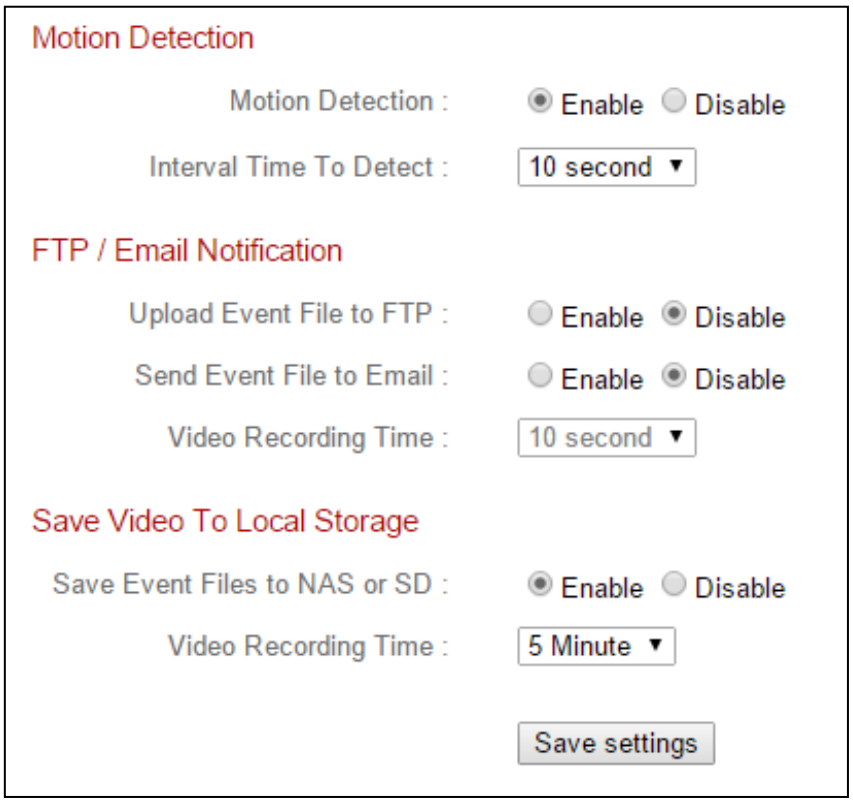
V-3-1 Motion Detection

V-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 EdiLife 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.

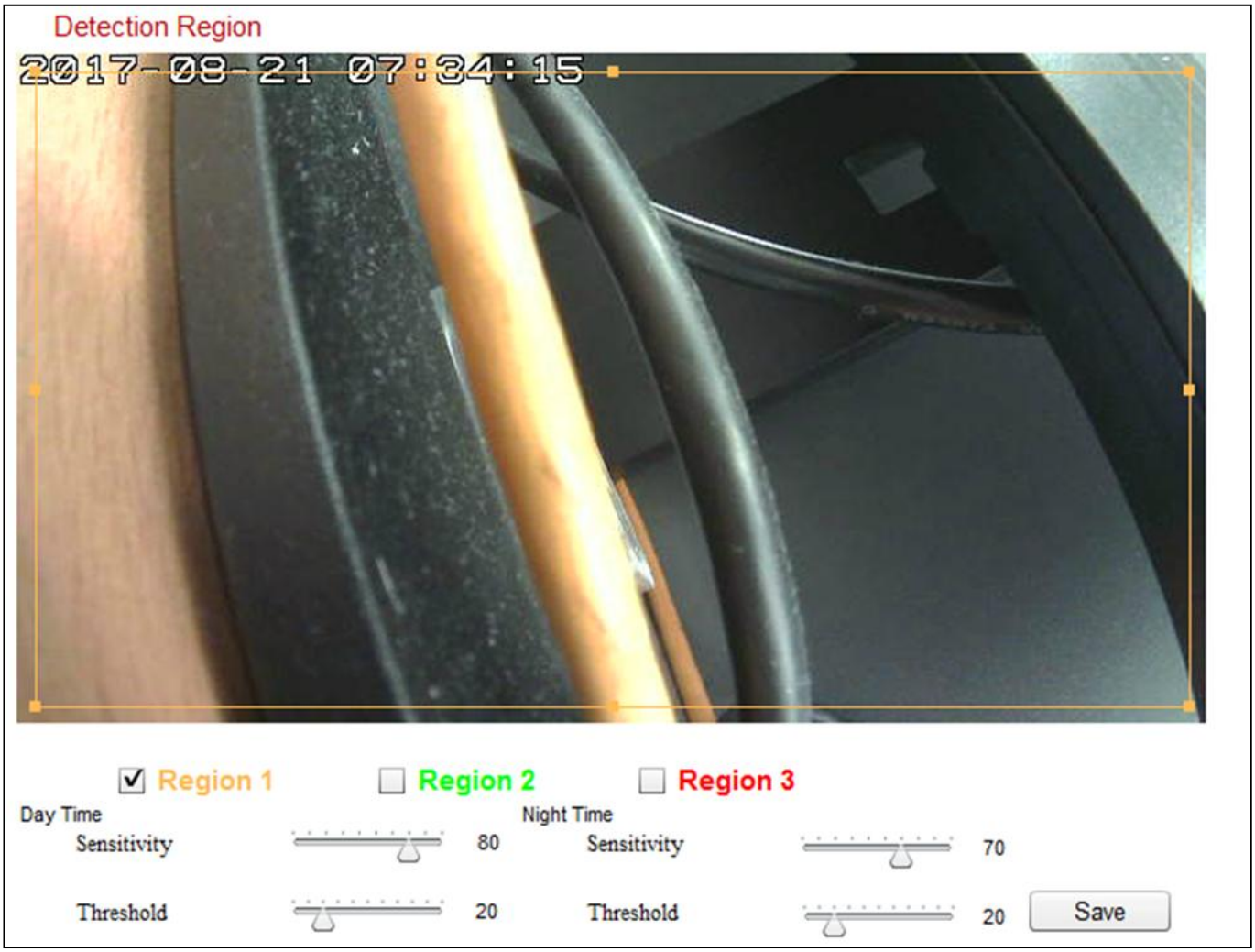


Motion	Enable or disable the motion detection function of your

Detection	network camera.
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.

V-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 Day mode or Night mode. 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 Day Mode or Night Mode. 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.

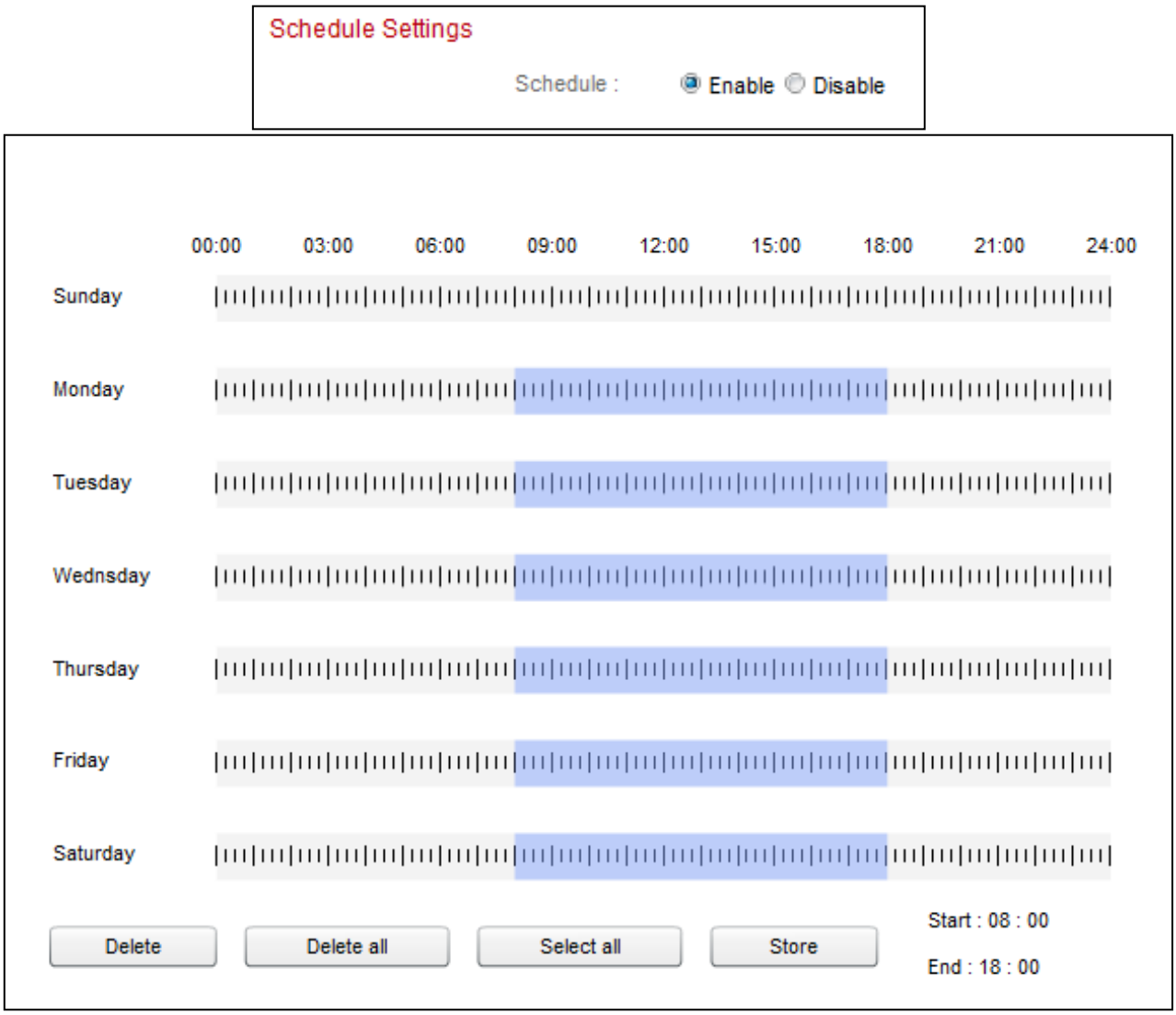
1 Day mode and night mode have separate Sensitivity and Threshold settings.
2 All 3 regions use the same Sensitivity and Threshold settings.
3 If Auto Switch of Night Vision is enabled, the light sensor will determine whether to switch to Day mode or IR-based Night Mode.
4 If Night vision's Auto Switch is disabled, the sensitive and threshold will follow Day mode's setting.

V-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.*

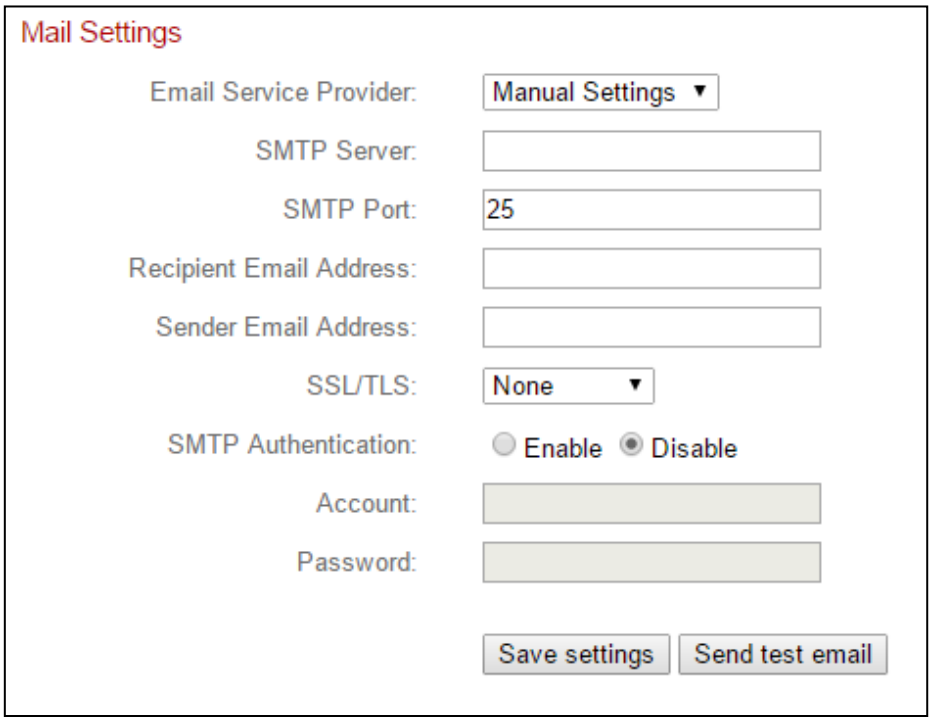


Delete	Delete the selected blue recording block on the timeline.
Delete All	Delete all blue recording blocks on the timeline.
Select All	Select all blue recording blocks.
Store	Store the recording settings on the timeline.

V-3-2 Notification

V-3-2-1 Mail Settings

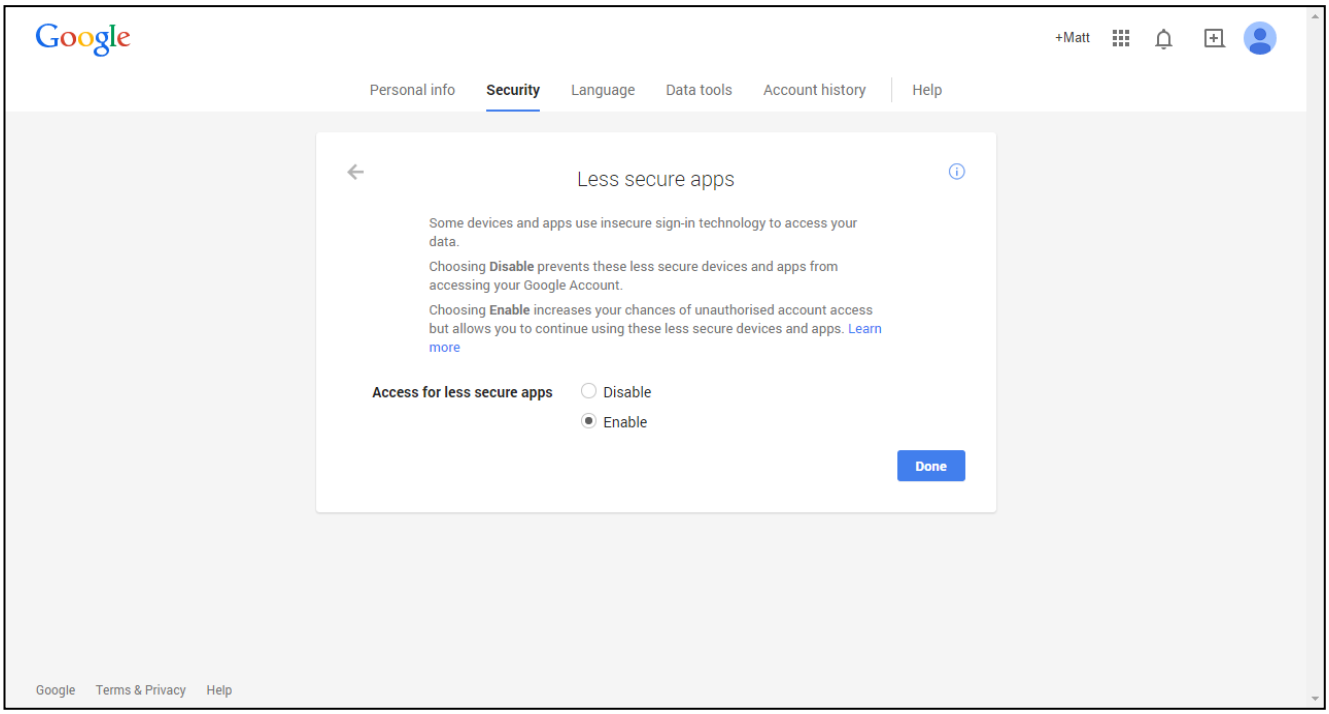
Recordings of events (motion or sound detected) can be sent to a designated email recipient. This function must be enabled in “Motion Detection” or “Sound Detection” settings in the “Events” menu. Enter the required information about your sender and recipient email accounts as shown below.



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.

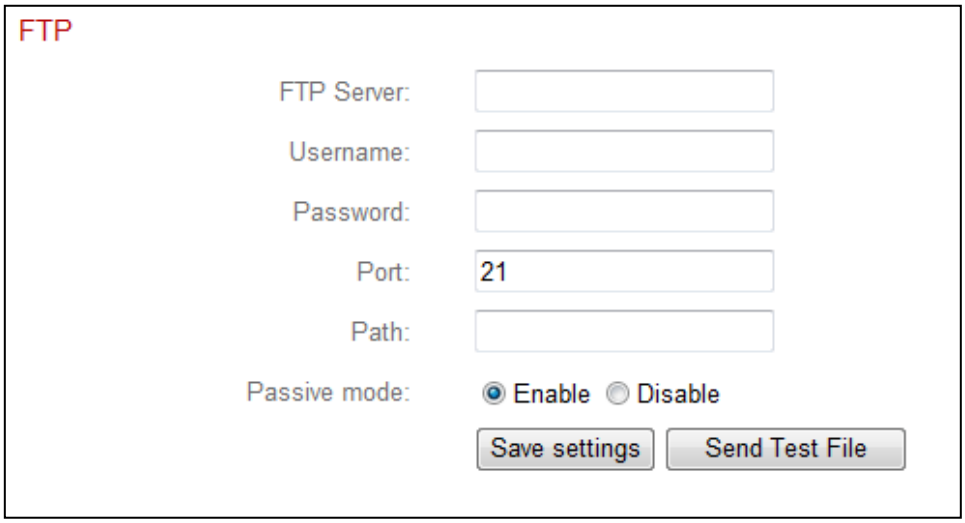
SSL/TLS	Select ‘SSL or TLS’ when your SMTP server requires encryption. Consult your mail server administrator when in doubt.
SMTP Authentication	Select ‘Enable’ when your SMTP server requires authentication. This information can be provided by your email service provider.
Account	Input the SMTP account 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.

Gmail users please ensure that “Less Secure Apps” is enabled in your Google account “Security” settings, otherwise your email password may be rejected.



V-3-2-2 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.

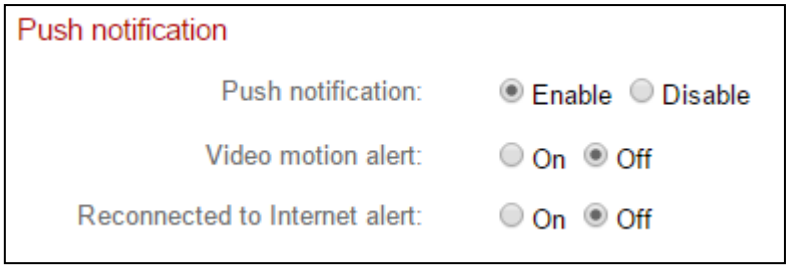


FTP Server	Enter the IP address or host name of the FTP server.
User Name	Enter the user name required by the FTP server.
Password	Enter the password of the FTP server.
Port	Enter the port number of the FTP server. This value should be an integer between 1 and 65535. Please don’t change this value unless 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.

V-3-2-3 Push

The network camera can send push notifications to your smartphone if you have the EdiLife 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.
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.

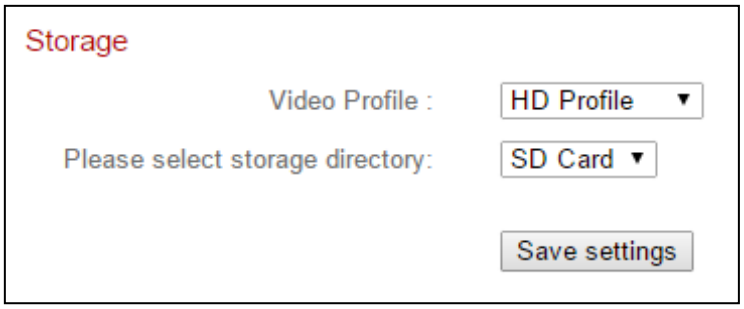
V-4 Storage Settings

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.

V-4-1 Storage Directory

The network camera can store recordings of motion detection events to local storage: NAS or MicroSD.

Select a video profile for the recordings (HD, SD or Small) and 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 *V-4-3 NAS Settings* ***or*** *V-4-4SD Card Settings* ***menus respectively.***

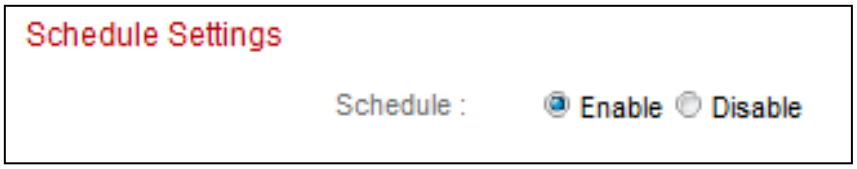
V-4-2 Schedule Settings

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.

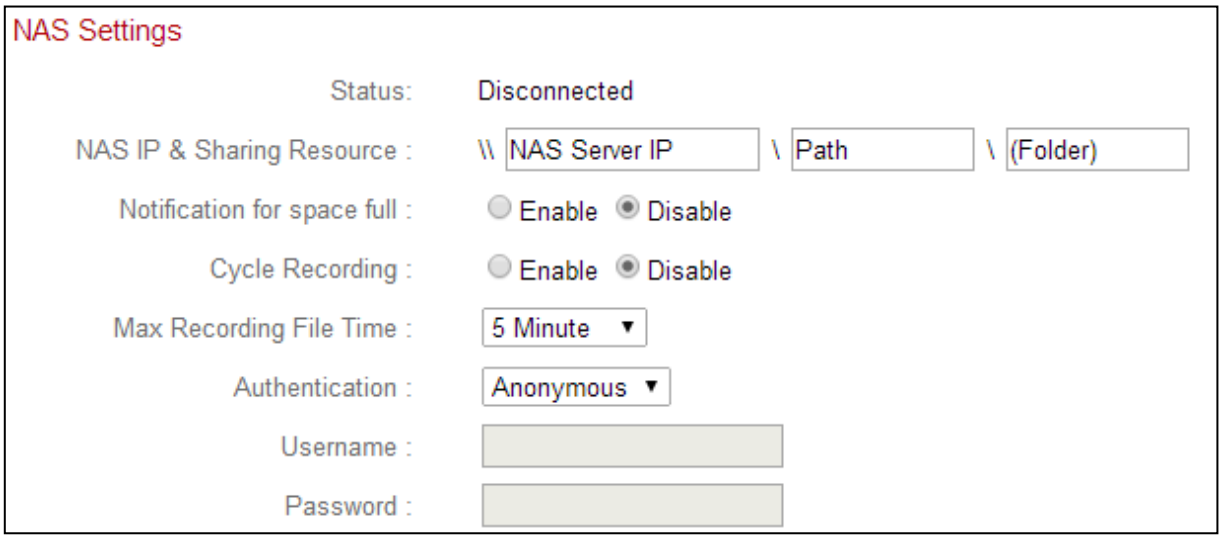
To set the limit for individual file sizes for scheduled recording, go to *Storage Settings → NAS Settings* ***or*** *SD Card Settings* ***depending on your storage location.***



00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
24:00
Sunday
Monday
Tuesday
Wednsday
Thursday
Friday
Saturday
Delete
Delete all
Select all
Store
Start : 08 : 00
End : 18 : 00

V-4-3 NAS Settings

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

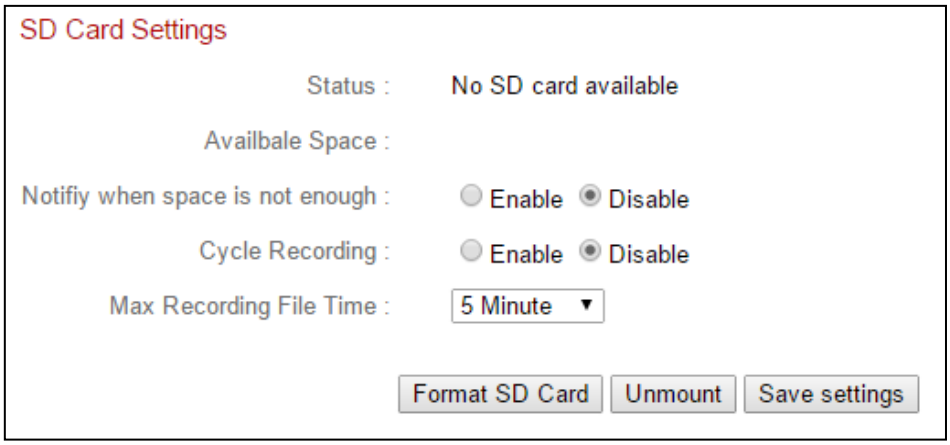


Status	Displays the status (connected or disconnected) of your network camera and NAS server.
NAS IP & Sharing Resource	Enter the local IP address of your NAS and the path of a shared folder to store your network camera's recordings.
Notification for space full	Enable or disable email notifications when 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.

V-4-4 SD Card Settings

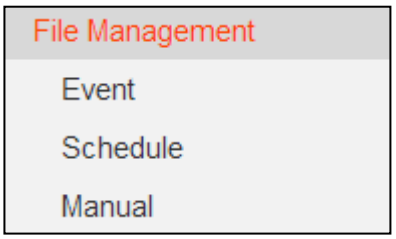
The “Basic” menu enables you to set the camera’s name and administrator password, as well as switch the LED(s) on/off according to your preference.

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.

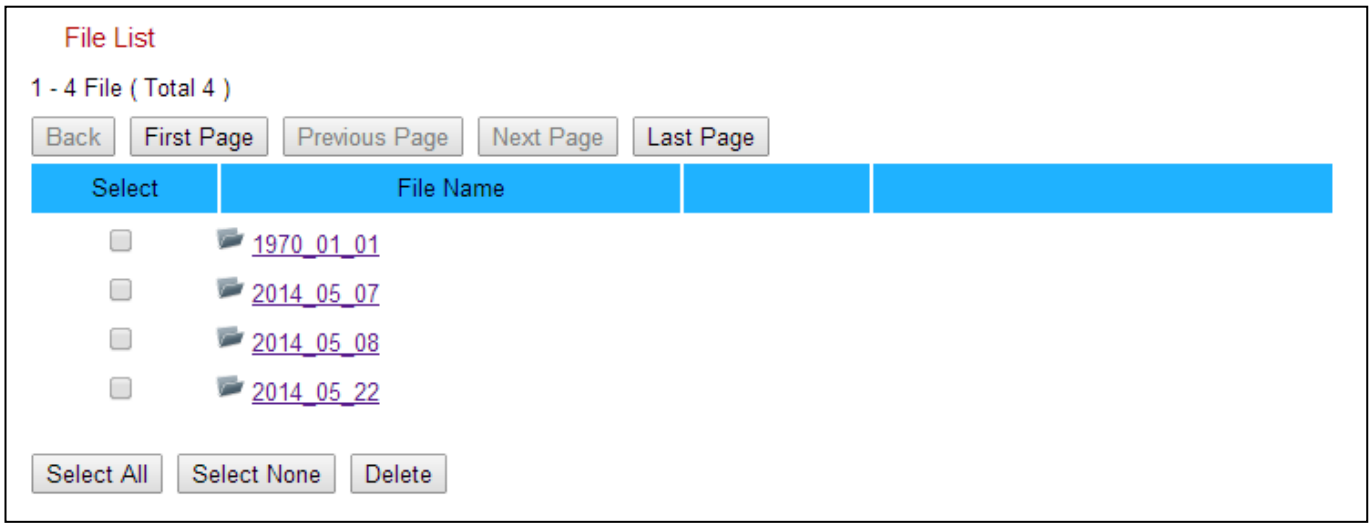
V-4-5 File Management



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:

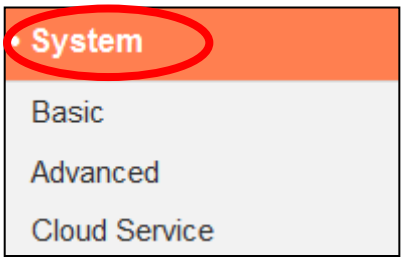
Event: Recordings or images from motion detection events are displayed here.
Schedule: Recordings from scheduled recording are displayed here.
Manual: Manual recordings are displayed here.

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.



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.

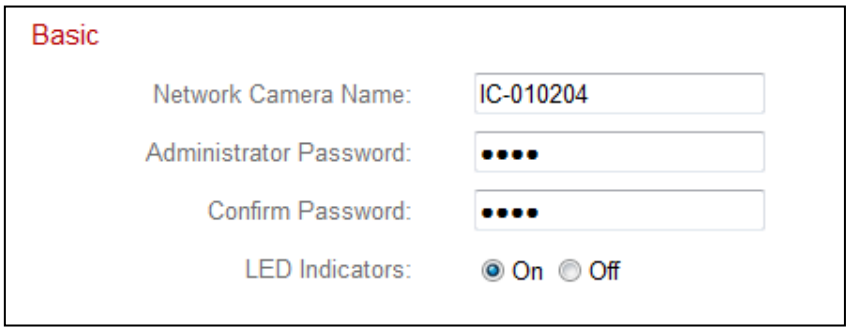
V-5 System



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

V-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.

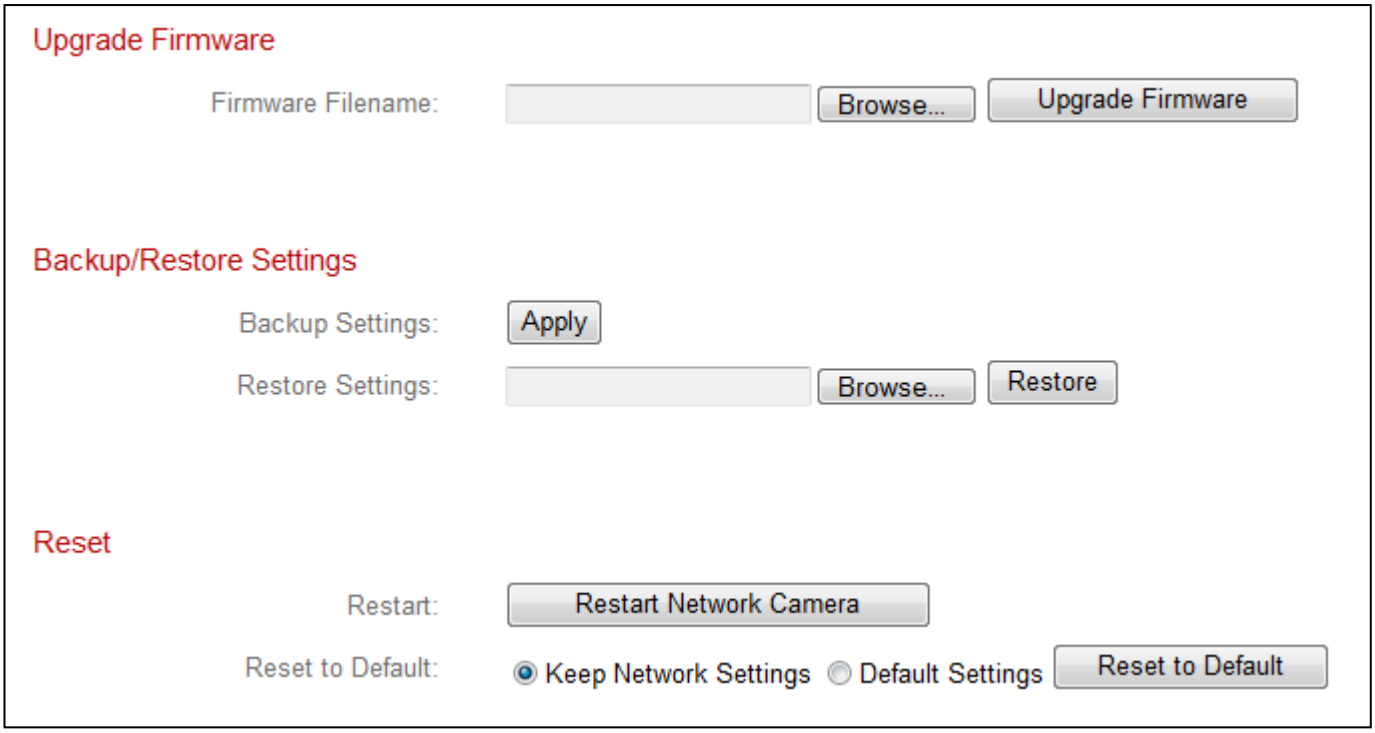


Network Camera Name	Set the name of the network camera for reference/identification purposes. This is especially useful when managing multiple network cameras.
Administrator Password	Enter your desired administrator password here. This is the password used to log into the camera with the “admin” account. The default password is 1234.
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.

V-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.

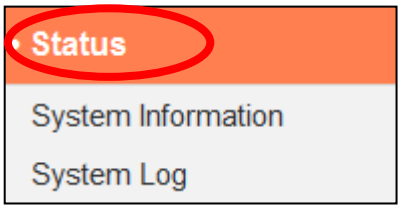
Do not switch off or disconnect the device during a firmware upgrade, as this could damage the device.



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	Select “Keep Network Settings” or “Default Settings” and then

default	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.

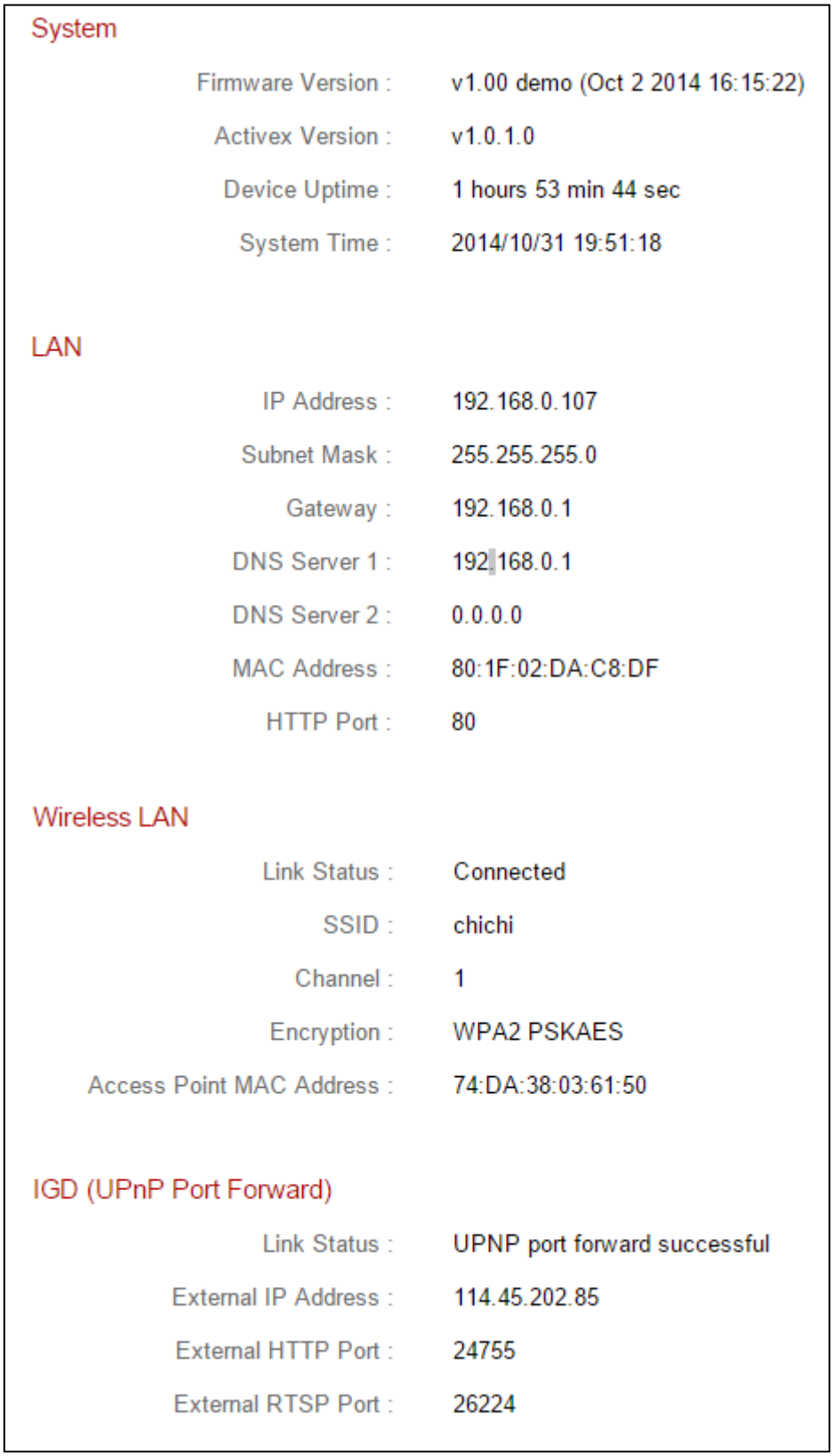
V-6 Status



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

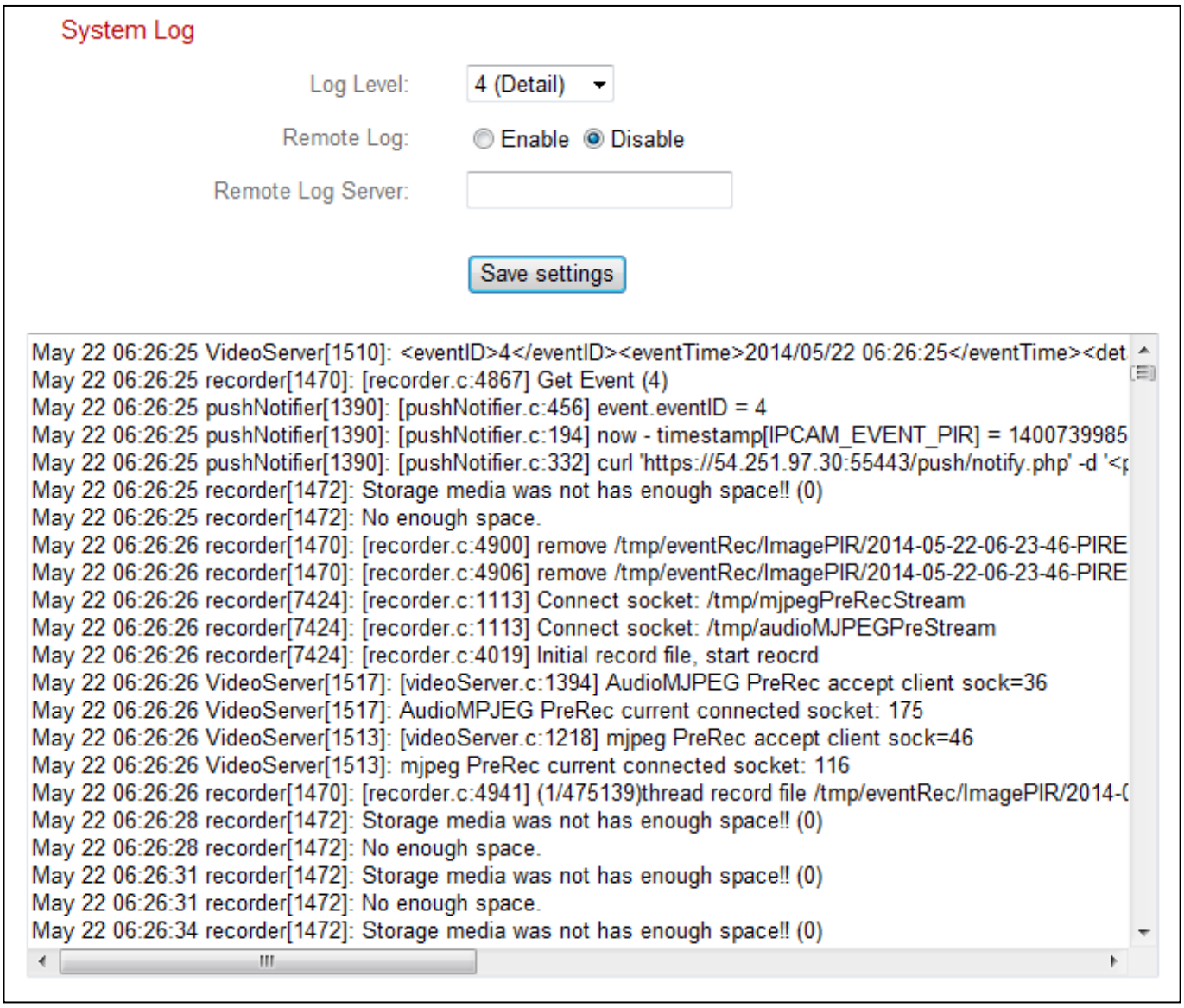
V-6-1 System Information

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).



V-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.

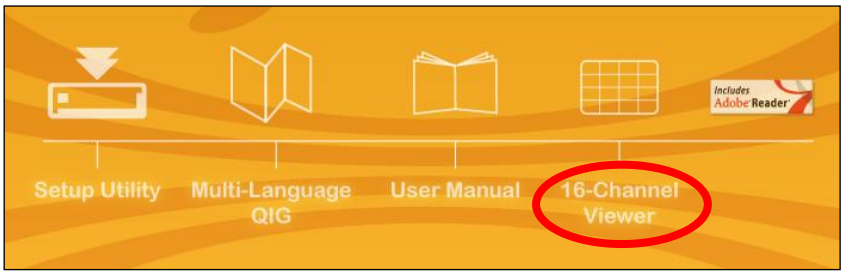
VI 16 Channel Viewer for Windows

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.

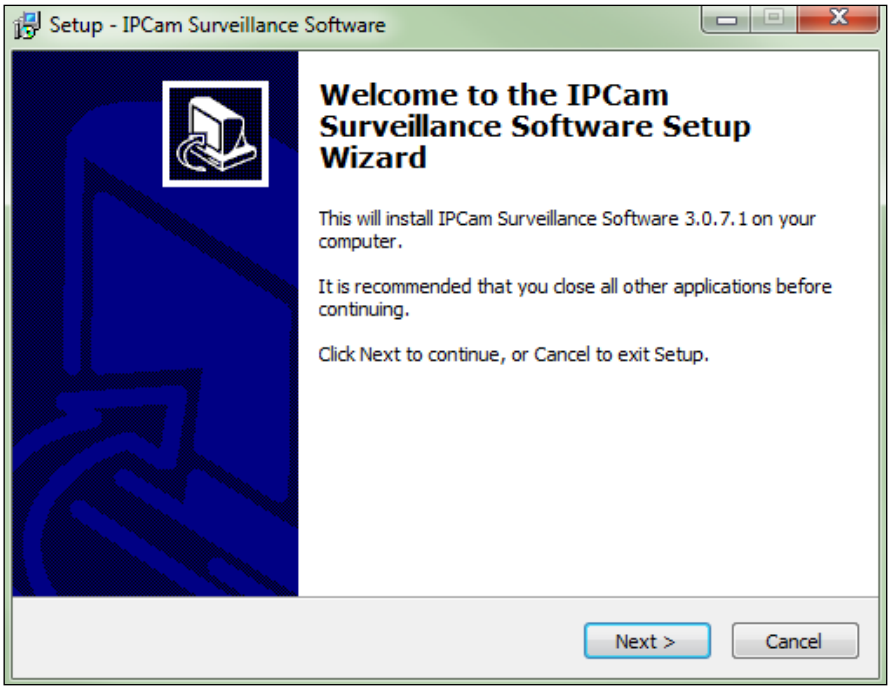
VI-1 Installation

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.

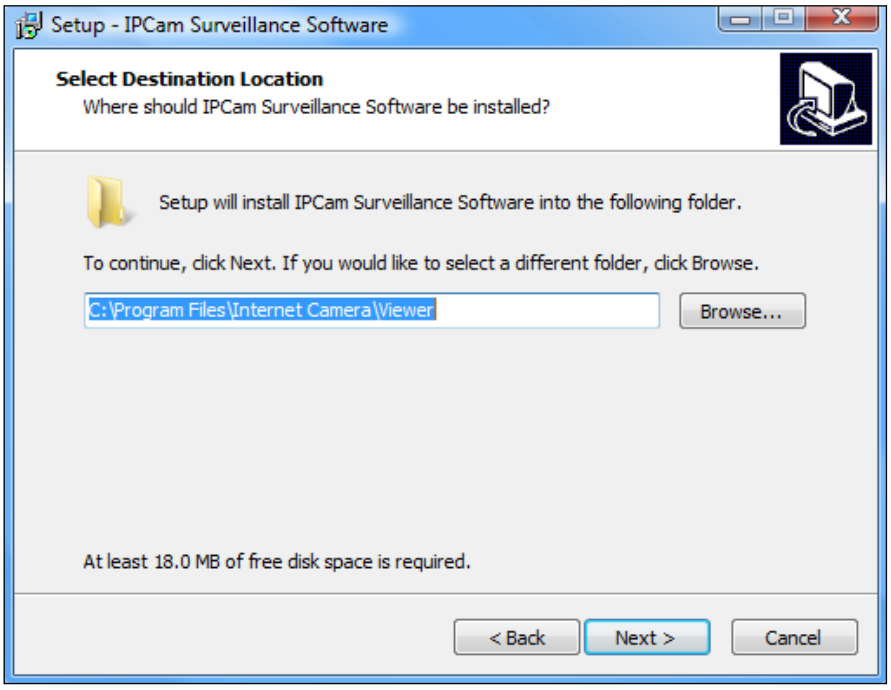
2. Click "16 Channel Viewer" to install the EdiView Finder software utility.



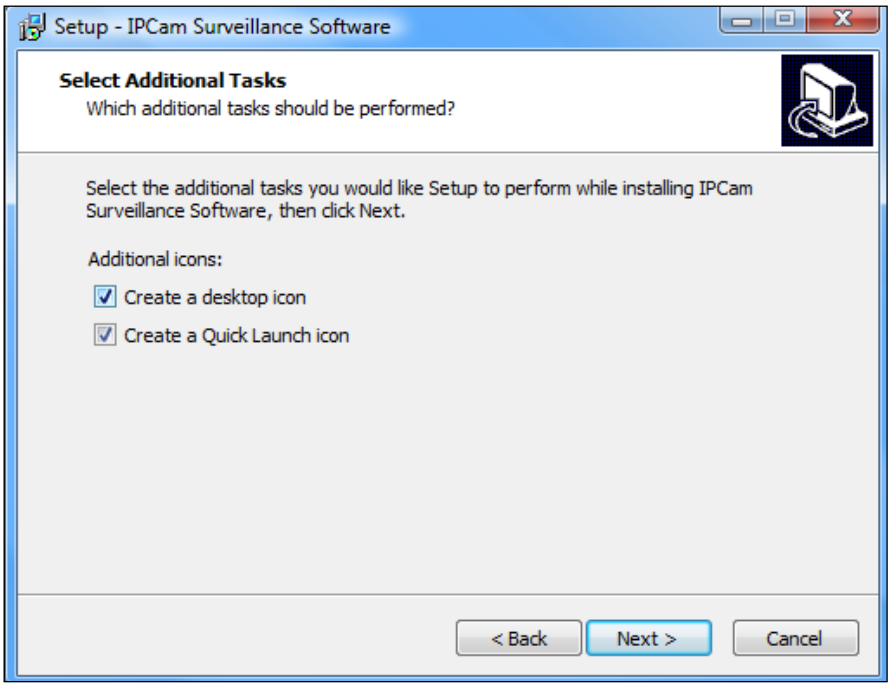
3. Click "Next" and follow the on-screen instructions to install the 16 channel viewer software.



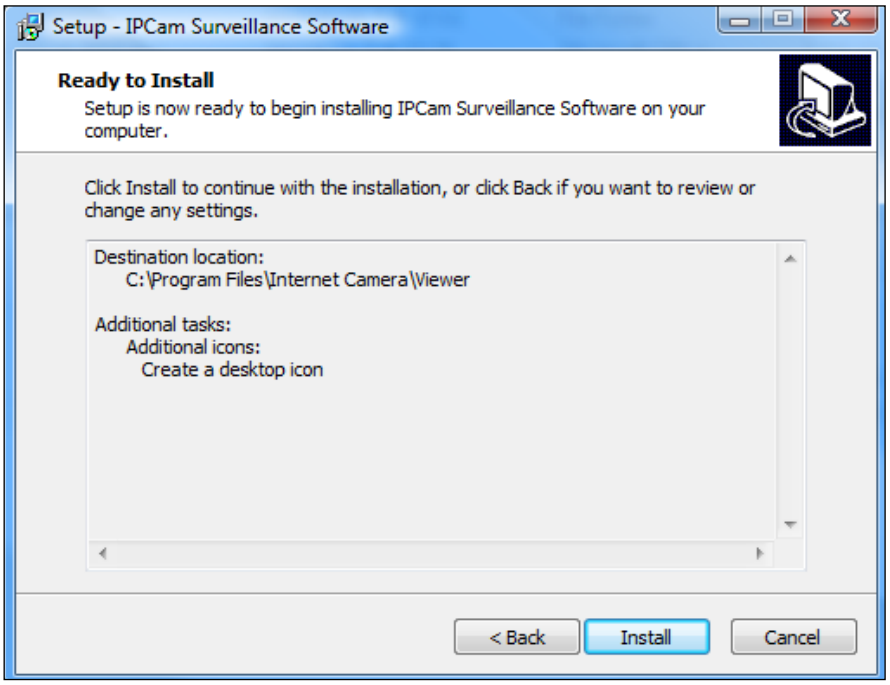
4. Check the installation location and click ‘Next’ to continue.



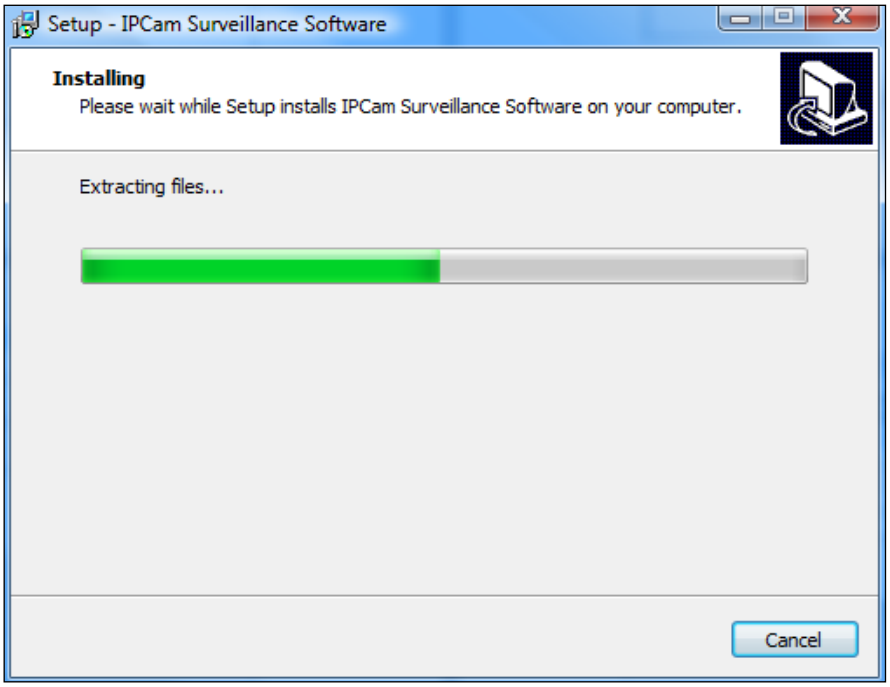
5. Click “Next” to continue.



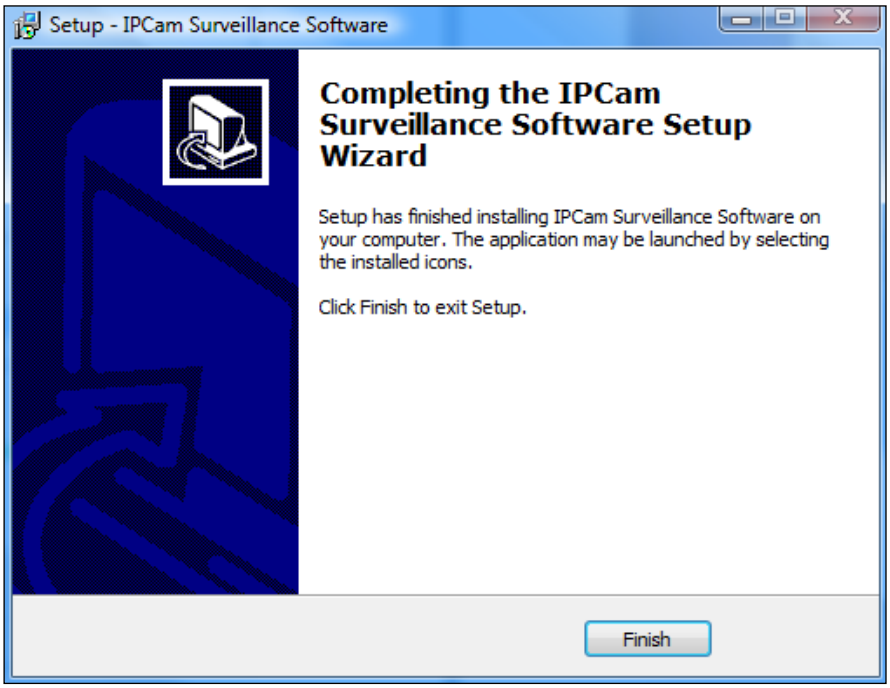
6. A summary of your installation will be displayed. Please check everything is correct and click “Install” to begin the installation.



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



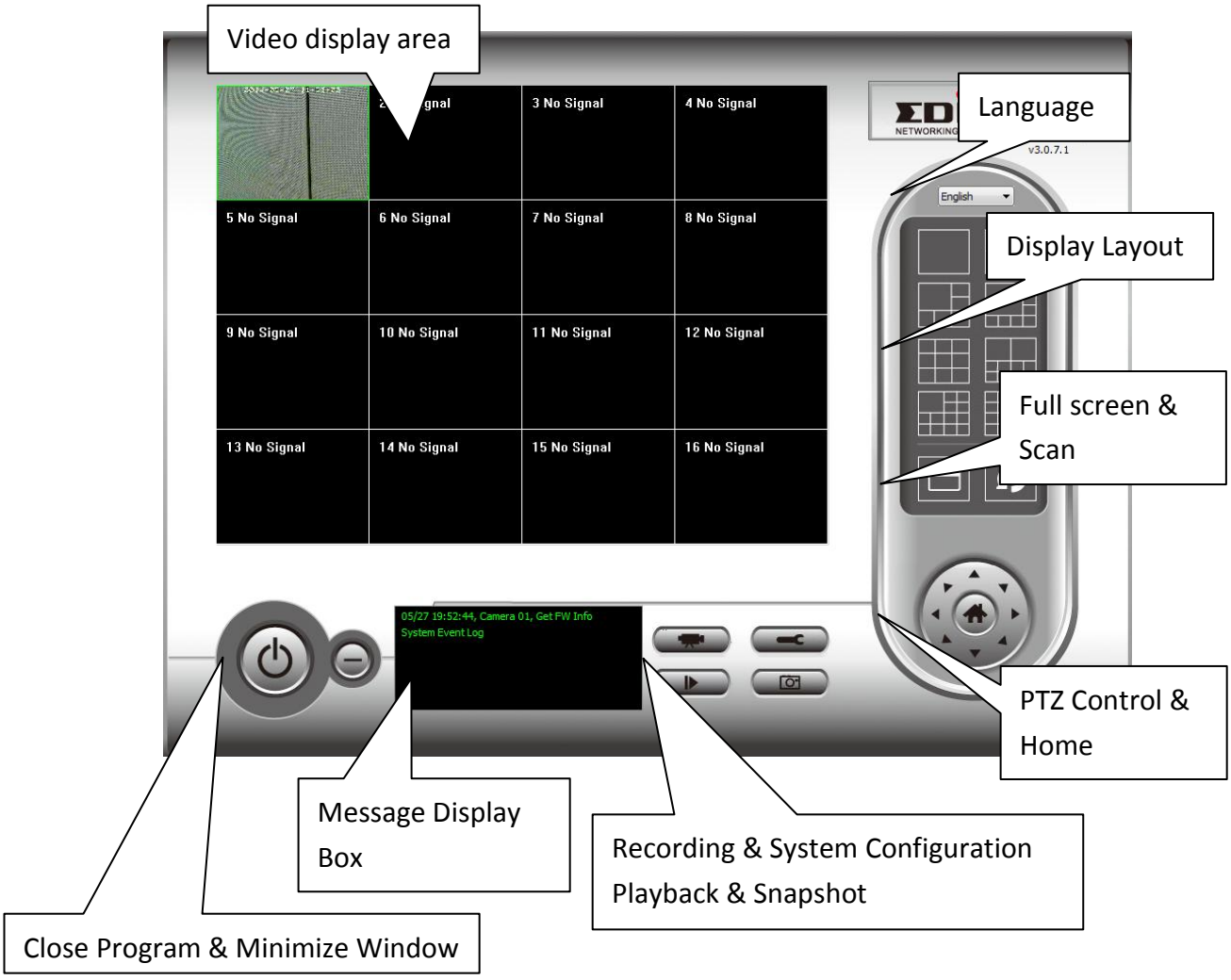
8. Click “Finish” and then double click the “IPCam Surveillance Software” icon on your desktop to open the software.

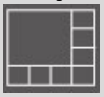


VI-2 Using the 16 Channel Viewer

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:



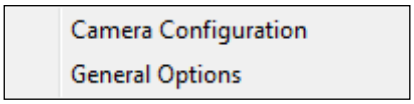
Video display area	A live image of up to 16 connected cameras will be displayed in this area.
Language	Select a language from this dropdown menu to change the display language.
Display layout 	Change camera image display layout (click a layout icon to change camera display layout). There are 8 kinds 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:

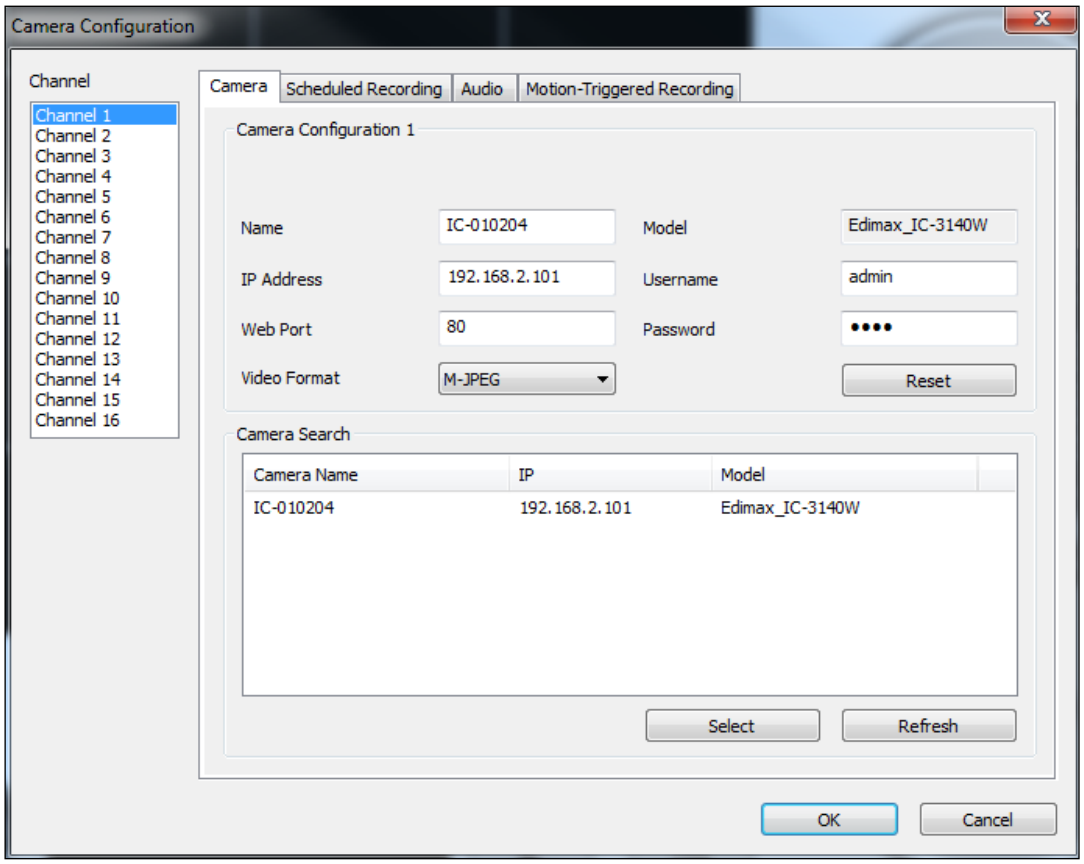


Please select “Camera Configuration” to configure/add cameras:

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.

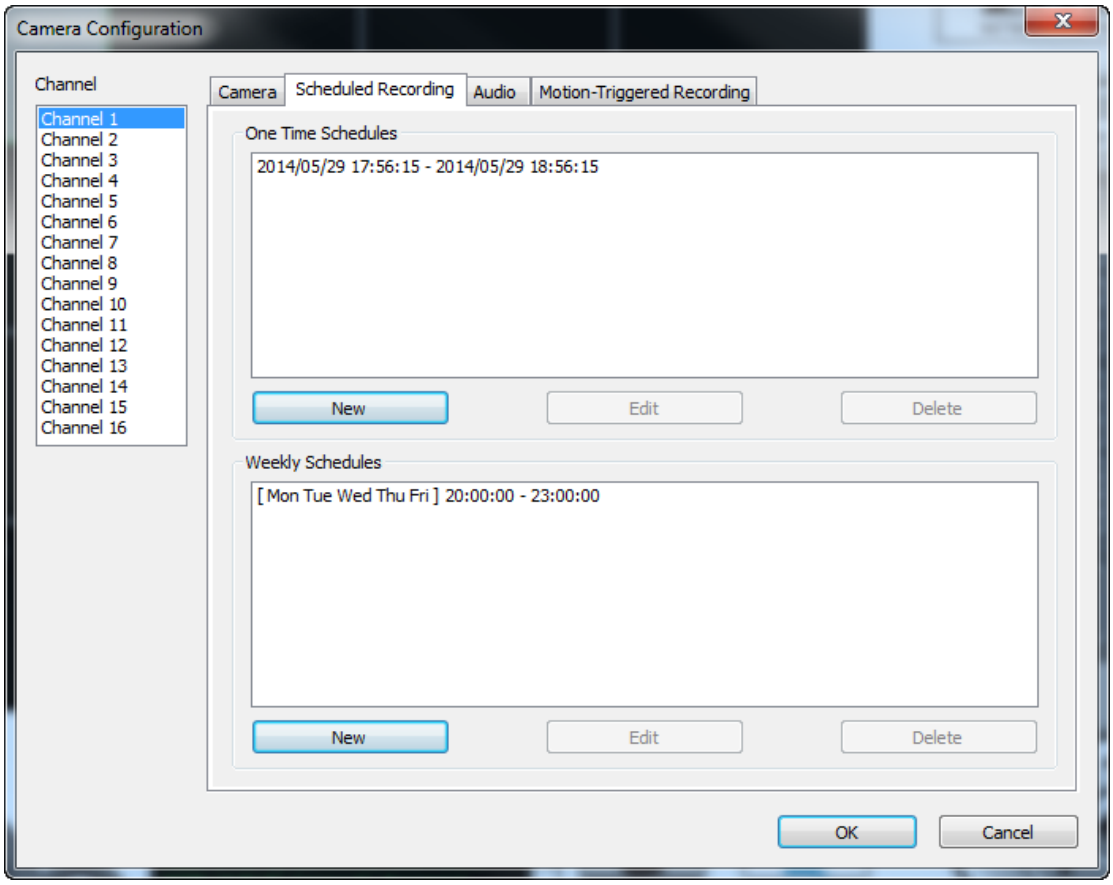
Refresh	Refresh the list of cameras on your local network.
Name	Enter a reference name for the camera here. The default name is the first 6 characters of the camera's MAC address. The camera name can be used to easily identify its location for example.
Model	Displays the model of the selected camera.
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.

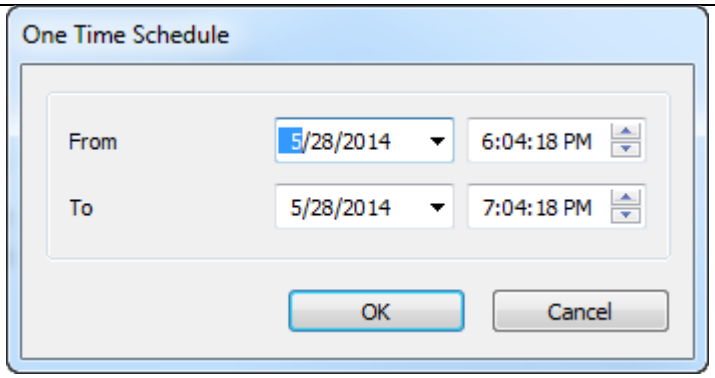
** Only available for cameras which support this function.

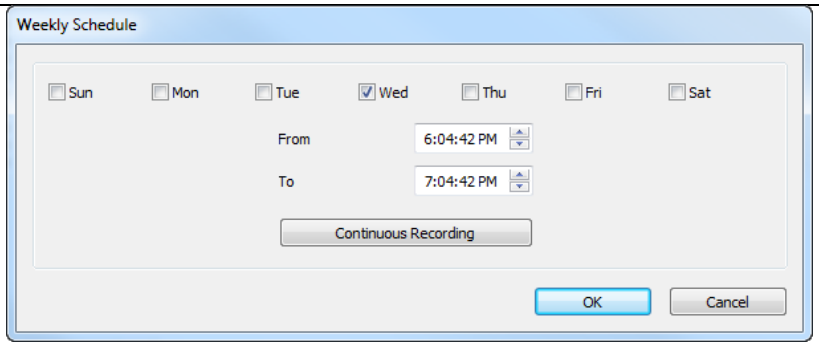
Click "OK" to save the settings and your network camera's image will be displayed in your selected channel on the 16 channel viewer's main screen:

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.

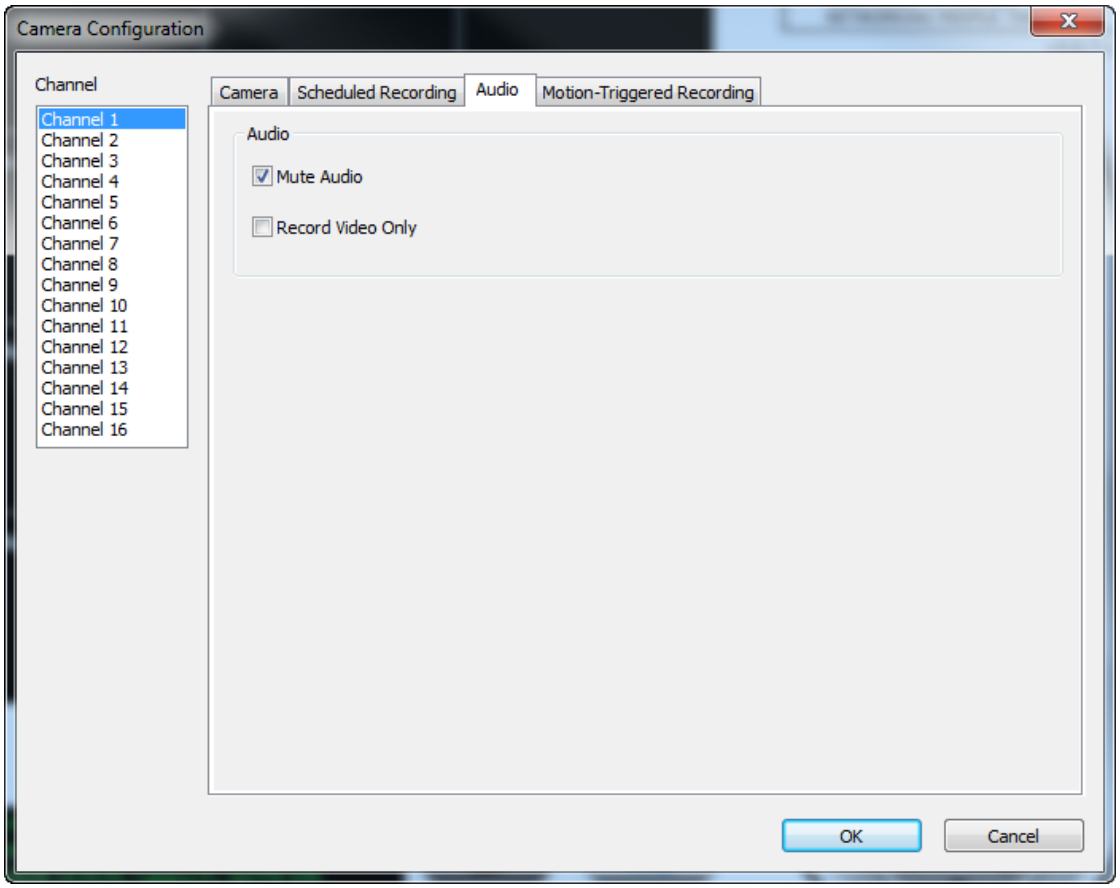


Channel	Select the channel number you wish to set.
One Time Schedules	You can specify the one-time schedule for a selected camera; this schedule will be executed once only.
New (One Time Schedules)	 Please specify the time duration of this one-time schedule (the date and time of ‘From’ and ‘To’), then 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.

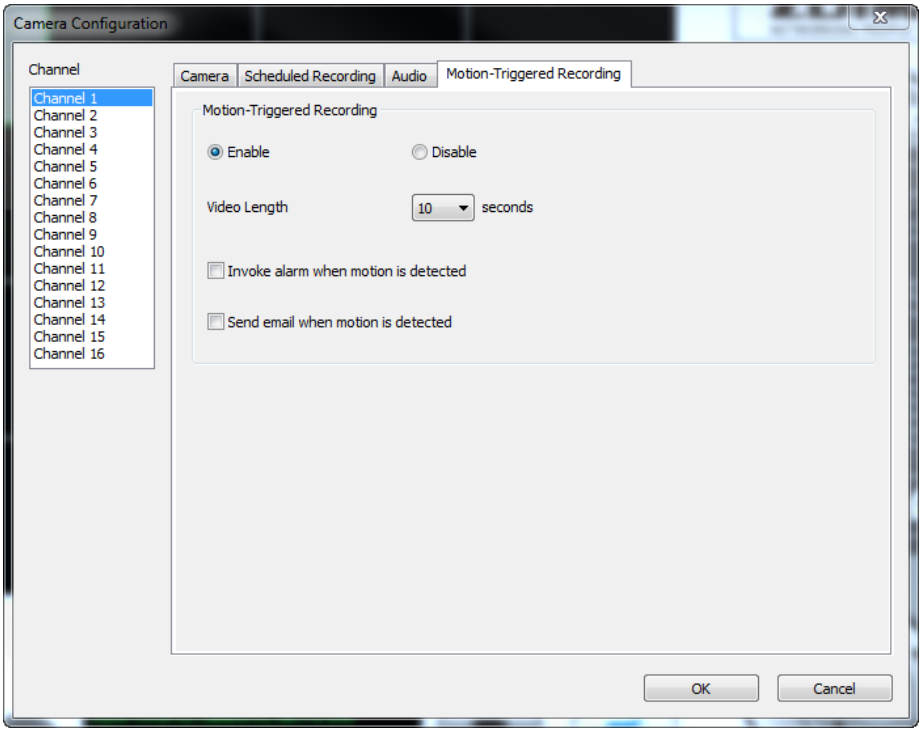


Channel	Select the channel number you wish to set.
Mute Audio	Check this box and the network camera surveillance software will not play the audio captured by this camera.
Record Video Only	Check this box and the network camera surveillance software will not record the audio captured by this camera.

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.

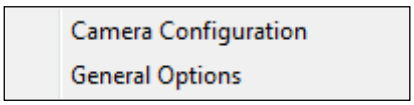
Please note that when using the camera for security purposes, it is important to monitor the camera's stream even when using motion detection. Motion detection may not be 100% accurate.



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

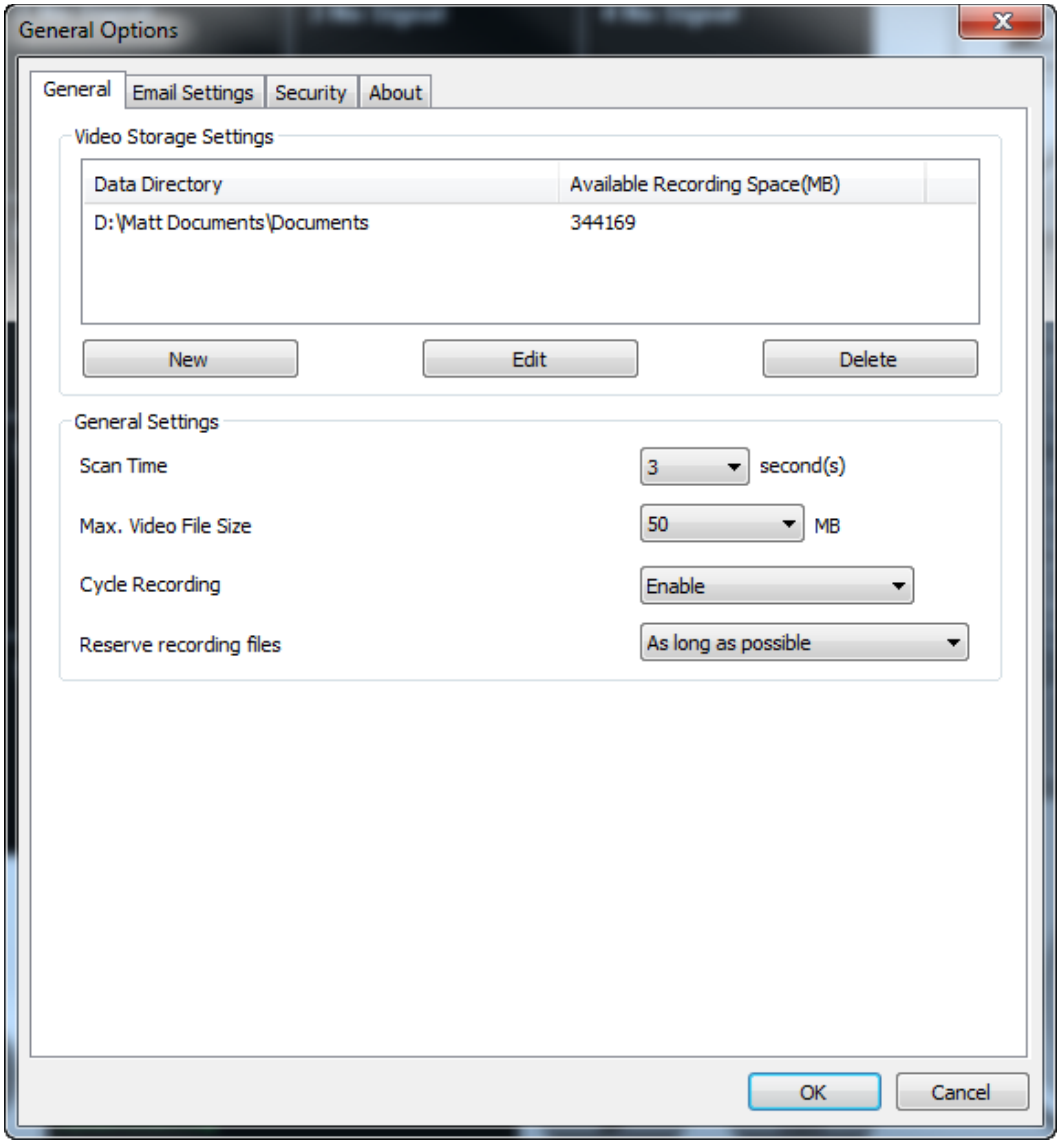
Click the wrench icon ( ) and a popup menu will appear:



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

VI-3-2-1 General

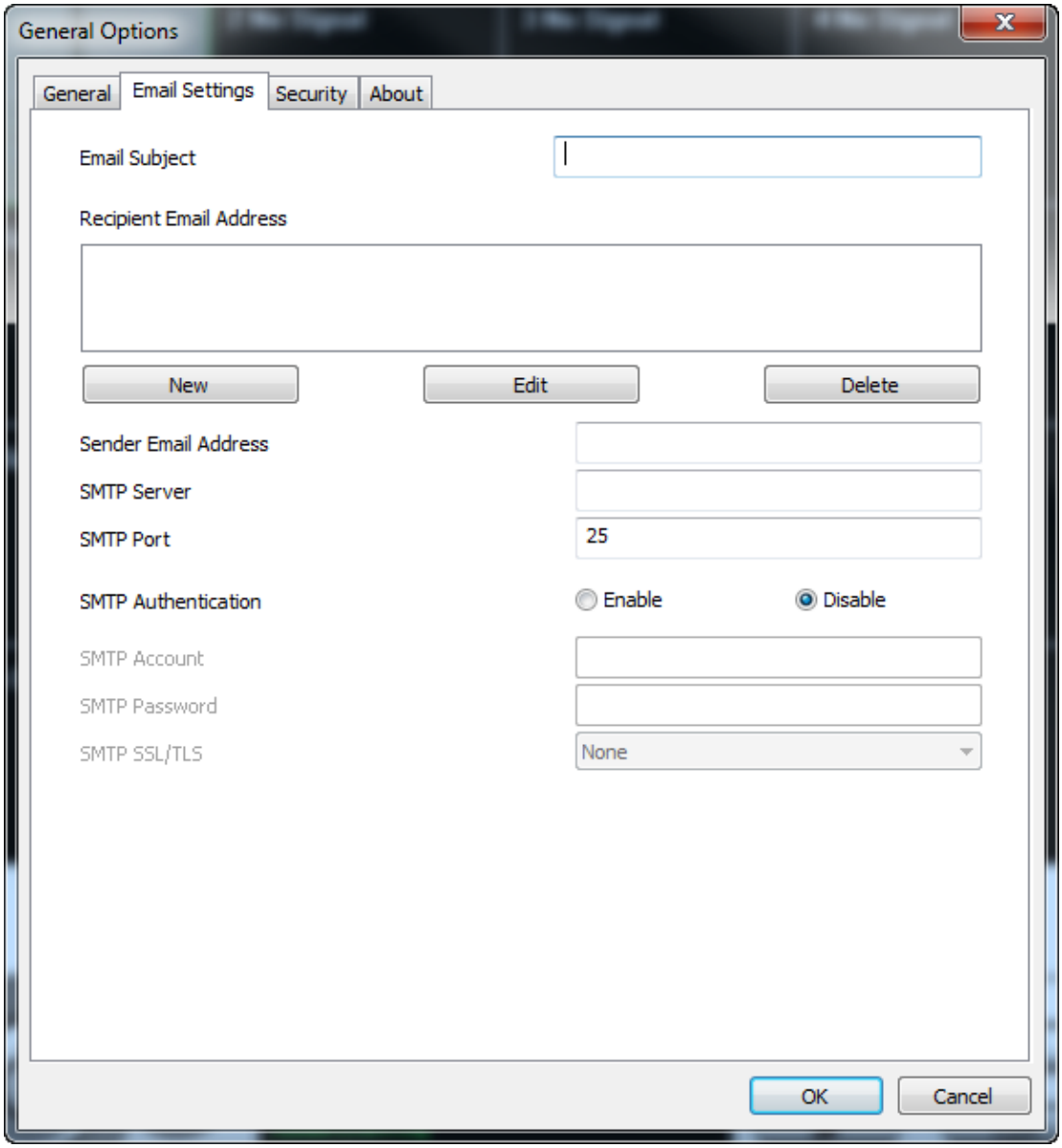
All general settings such as the file storage directory and recording spaces can be set here.



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 ***V-3-1 Motion Detection***), you need to configure your email settings here.



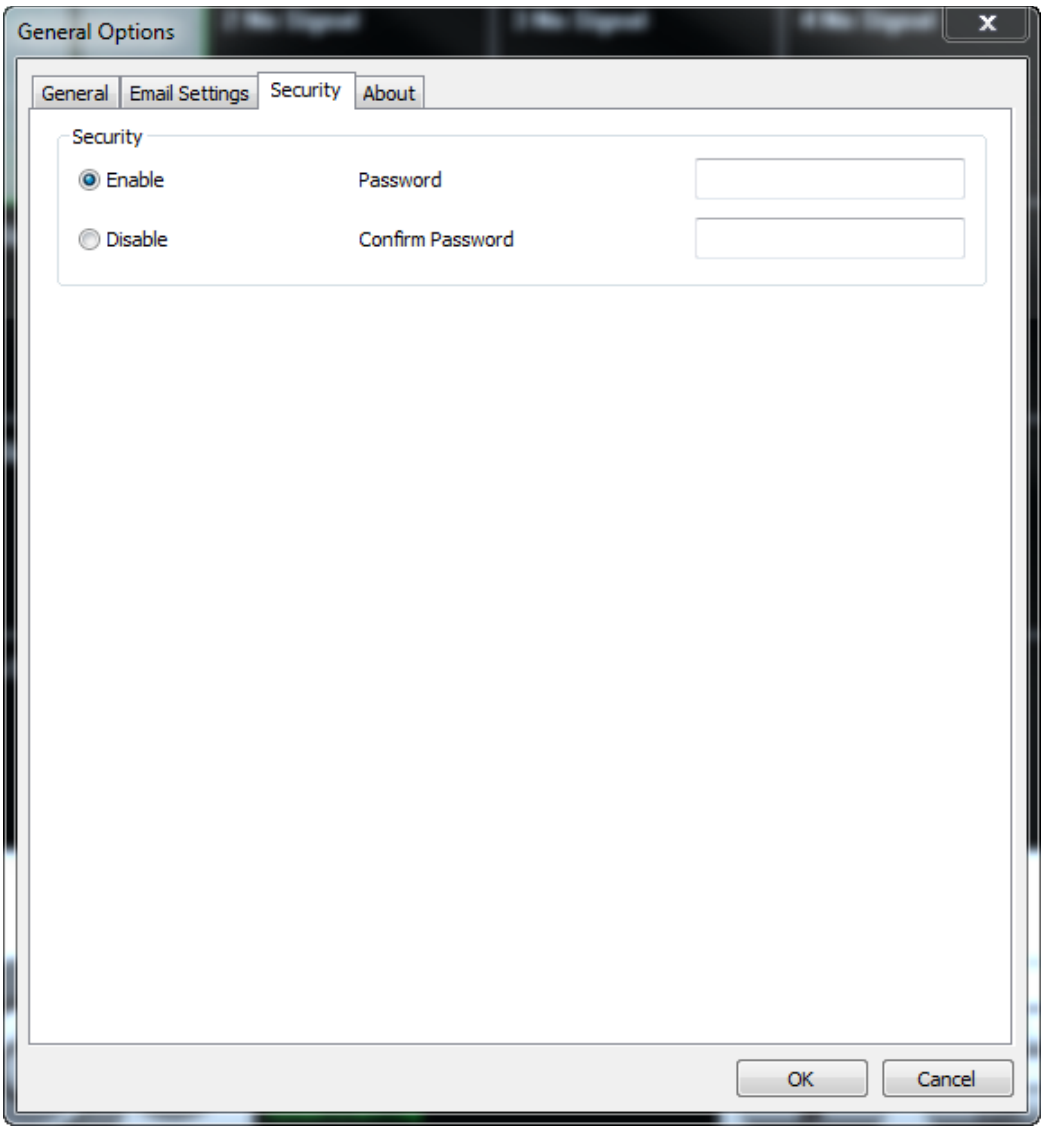
E-Mail Subject	Specify the subject of the email notification you will receive.
Recipient E-Mail Address	Use the “New”, “Edit” and “Delete” buttons to enter the email address for the recipient(s) of the email notification.
Sender E-Mail Address	Specify the email address which will send the notification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

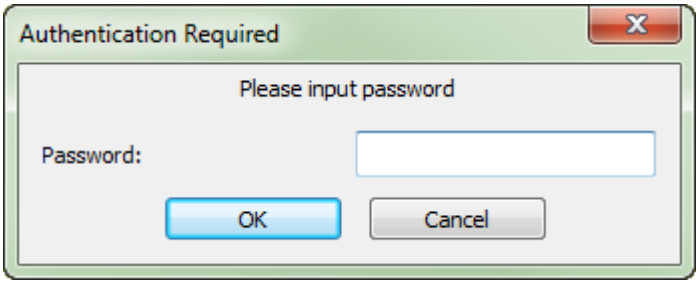
You can set a password to protect the 16 channel viewer software. When enabled, the password will be required each time to open the 16 channel viewer software.

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



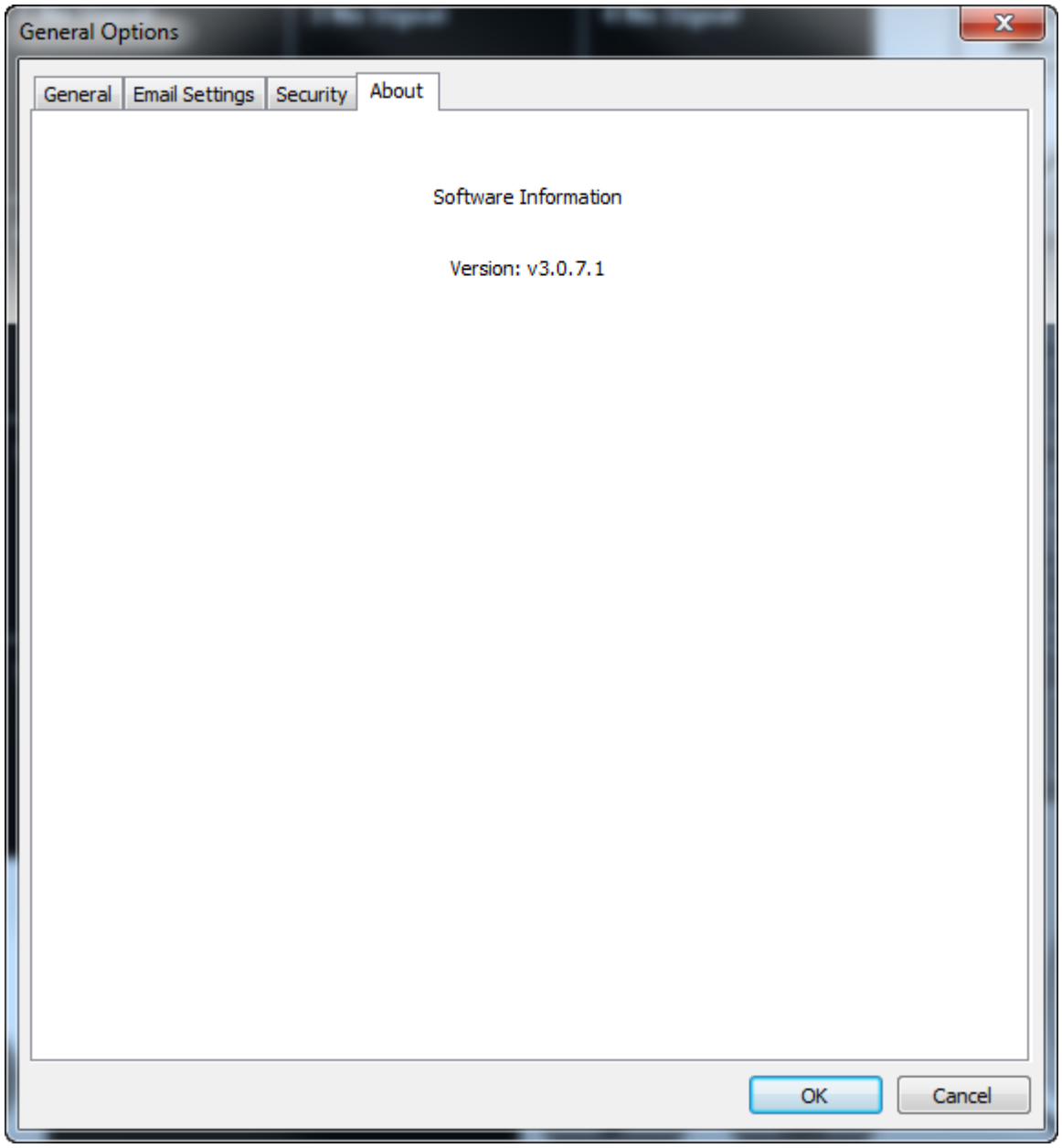
Enable	When enabled, the password is required to open the 16 channel viewer software.
Disable	No password is required when disabled.
Password	Enter the password you wish to use here.
Confirm Password	Enter the password you wish to use here again.

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



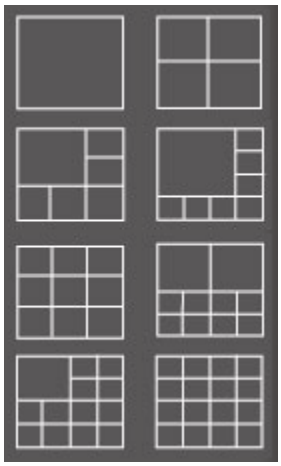
VI-3-2-4 About

The “About” tab displays the software version number.

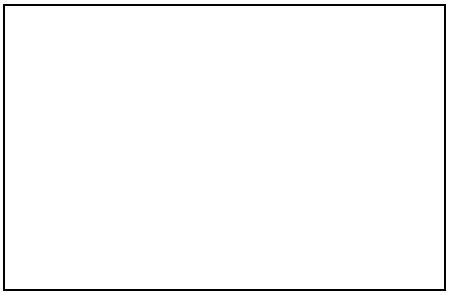
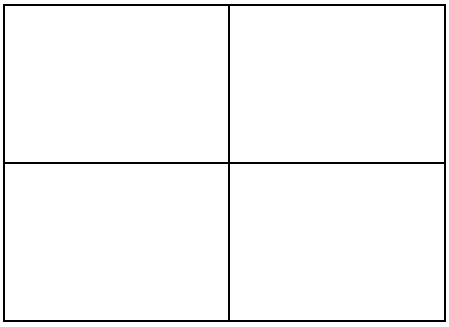


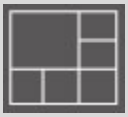
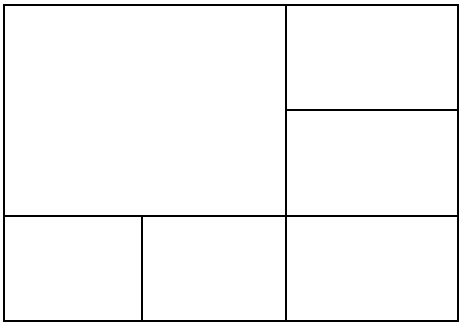
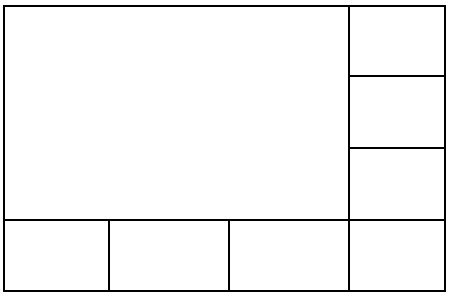
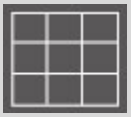
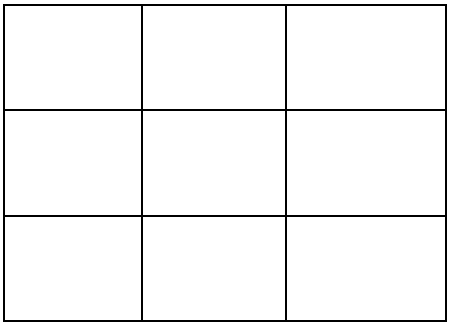
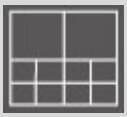
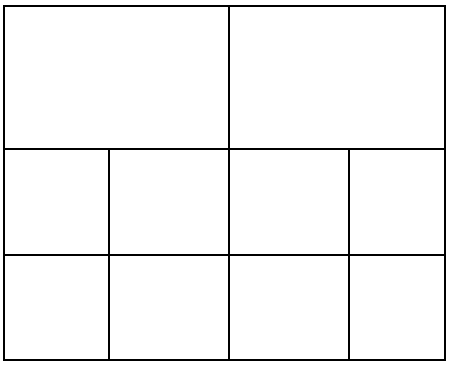
VI-4 Changing the Display Layout

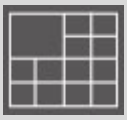
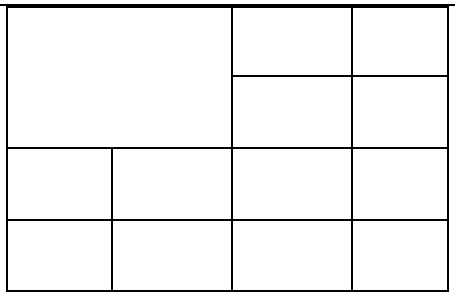
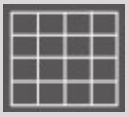
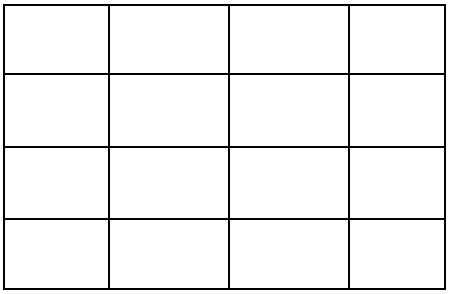
This network camera surveillance software provides eight display layouts:



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.

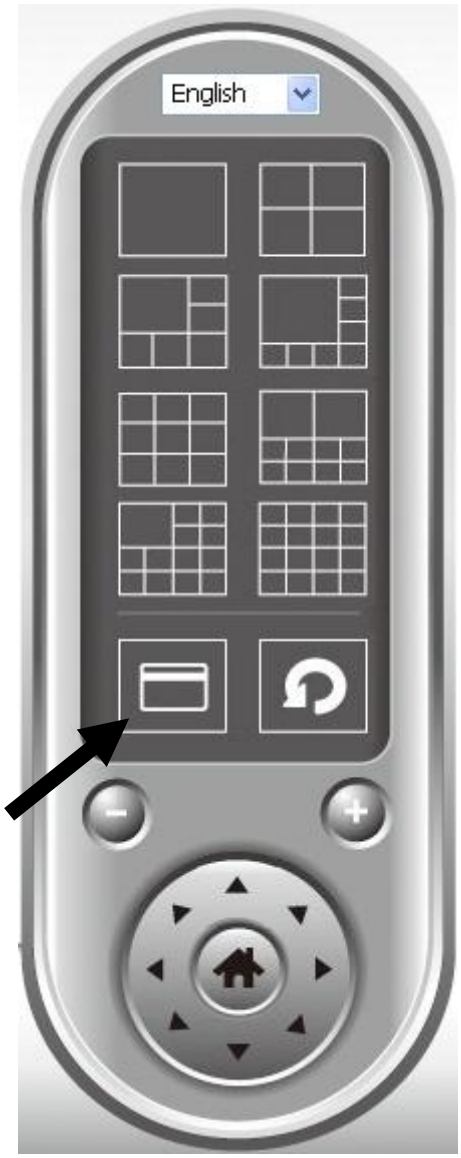
Layout style 1: 1 Camera only	Displays the video of 1 camera only. 
Layout style 2: 4 Cameras	Displays the video of up to 4 cameras. 
Layout style 3: 6	Displays the video of up to 6 cameras.

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

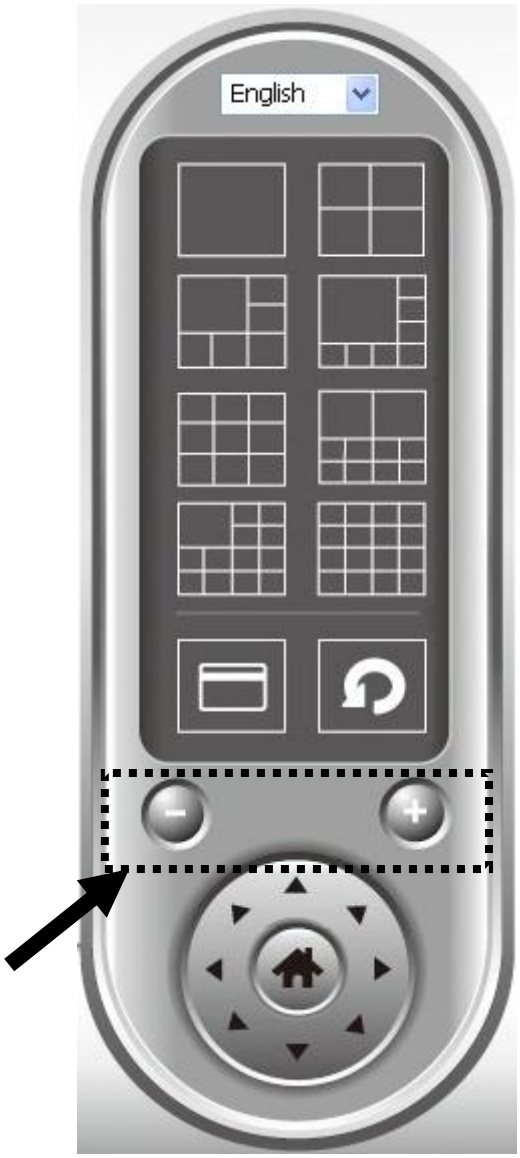
If you have more than one camera configured, the “Scan” button will switch the display between cameras.

“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).

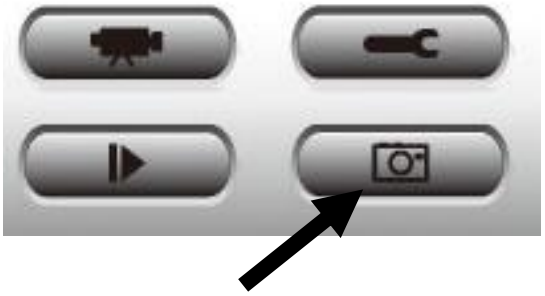
VI-8 Pan & Tilt

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:

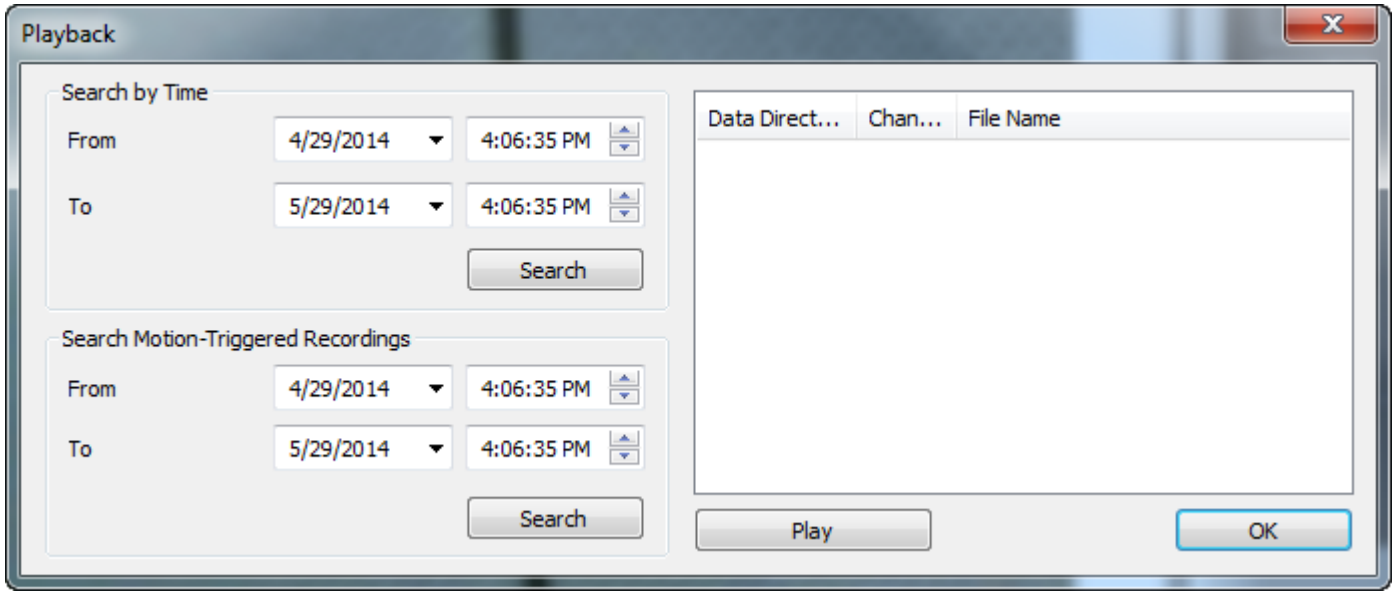
When recording starts, you'll see a message displayed in the message display box, such as '1/1 10:00:00, Camera 2 Start Manual', which means camera 2 started recording manually on 1/1 at 10:00:00.

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.

VII Troubleshooting

If you are experiencing problems with your camera, please check below before contacting your dealer of purchase for help.

1. Are there any microSD/SDHC cards recommended for the IC-9110W V2, IC-7113W & IC-3140W?

a. Minimum 8GB capacity is recommended with Class 10 speed rating. Below 2GB and above 32GB are not supported.

The following Class 10 cards have been tested for compatibility without issues:

Kingston 4GB
Sandisk 4GB
Sandisk 8GB
Toshiba 8GB
Sandisk Ultra 16GB
Kingston 32GB
Fujitsu 32GB

2. How do I remove my microSD card from the camera?

a. Never unplug the card while the camera is on. This can damage your card. Ensure all recording functions such as event triggers are disabled and switch off your camera before removing the card.
b. Alternatively go to 'SD Card Settings' in the camera's user interface and click "unmounts" before removing the card.

3. I see the error message "SD card has unexpected error, device system cannot write file anymore". Can my card still record?

a. No, there's a problem with your card. Typically microSD/SDHC cards have limited read-write times. After frequent or long-term usage, the file system can encounter this error. Format your card and try again or contact the card manufacturer for support. Be aware that formatting your card removes all existing data, and backup accordingly.

4. My camera stopped recording to my microSD/SDHC card.

a. Go to ‘SD Card Settings’ in the camera’s user interface:
    1. Ensure there is enough space on your microSD/SDHC card.
    2. Try using “cycle recording” to periodically overwrite old recordings.
b. Alternatively you can try formatting your SD card. Be aware that formatting your card removes all existing data, and backup accordingly.

5. My camera image is not clear?

a. You can adjust the lens focus for a better image as described in the QIG & user manual.
b. Additionally try cleaning the lens with cleaning fabric as it may accumulate dust/fingerprints etc. over time and affect image quality.

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.

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.

FOR USE IN AT BE CY CZ DK EE FI FR
DE GR HU IE IT LV LT LU MT NL PL PT
SK SI ES SE GB IS LI NO CH BG RO TR

WEEE Directive & Product Disposal
At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European R&TTE directive (1999/5/EC, 2006/95/EC)

Equipment: Internet Camera
Model No.: IC-9110W V2

The following European standards for essential requirements have been followed:

Spectrum	**:**	**ETSI EN 300 328 V1.8.1 (2012-06);**
EMC	**:**	**EN 301 489-1 V1.9.2 (2011-09)**
		EN 301 489-17 V2.2.1 (2012-09)
EMF		**EN 62311:2008**
Safety(LVD)	**:**	**IEC 60950-1:2005 (2nd Edition); Am 1:2009**
		EN 60950-1：2006＋A11:2009＋A1:2010＋A12:2011

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New Taipei City, Taiwan

Printed Name: Vivian Ma
Title: Director
Edimax Technology Europe B.V.

Date of Signature: December, 2014
Signature:

Printed Name: Albert Chang
Title: Director
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