D-Link®

Version 1.01 | 12/05/2017

User Manual

HD Pan & Tilt Wi-Fi Day/Night Camera

DCS-5030L

Manual Overview

D-Link reserves the right to revise this publication and to make changes in the content hereof without obligation to notify any person or organization of such revisions or changes. Information in this document may become obsolete as our services and websites develop and change. Please refer to the **www.mydlink.com** website for the most current information.

Manual Revision

Revision	Date	Description
1.00	June 22, 2016	Initial release for revision A1
1.01	December 05, 2017	Support Google Home assistent

Trademarks

D-Link and the D-Link logo are trademarks or registered trademarks of D-Link Corporation or its subsidiaries in the United States or other countries. All other company or product names mentioned herein are trademarks or registered trademarks of their respective companies.

Apple®, Apple logo®, Safari®, iPhone®, iPad®, iPod touch® and Macintosh® are trademarks of Apple Inc., registered in the U.S. and other countries. App StoreSM is a service mark of Apple Inc. Chrome™ browser, Google Play™ and Android™ are trademarks of Google Inc. Internet Explorer®, Windows® and the Windows logo are trademarks of the Microsoft group of companies.

Table of Contents

Product Overview 4
Package Contents 4
System Requirements 5
Introduction 6
Features 7
Hardware Overview 8
Front View 8
Rear View 9

Installation 10
Mobile App Setup 11
Zero Configuration Setup 12
Wireless Installation Considerations 13
Mounting the Camera 14
mydlink 16
Using the DCS-5030L with Google Home 17

Configuration 20
Using the Web Configuration Interface 20
Live Video 21
Setup 23
Internet Connection Setup Wizard 24
Network Setup 26
Wireless Setup 28
Dynamic DNS (DDNS) 29
Image Setup 30
Video 31
Audio 32
Motion Detection 33
Sound Detection 34
Mail 35
FTP 38
Time and Date 41
Day/Night Mode 42
Camera Control 43
SD Recording 44
SD Management 46
Maintenance 47
Admin 47
System 49
Firmware Upgrade 50
Status 51
Device Info 51
Active User 52
Help 53

Troubleshooting 54

Technical Specifications 57

Contacting Technical Support 60

Warranty 61

Registration 66

Package Contents

DCS-5030L HD Pan & Tilt Wi-Fi Day/Night Camera

Camera Base and Mounting Kit

CAT5 Ethernet Cable

Micro-USB Power Adapter

Quick Install Guide

Quick Install Card

If any of the above items are missing, please contact your reseller.

Note: Using a power supply with a different voltage than the one included with your product will cause damage and void the warranty for this product.

System Requirements

Network Requirements	• 10/100 Ethernet network or a 802.11n/g wireless network • An Internet connection • A router connected to your broadband modem
Web-based Configuration Utility Requirements	**Browser Requirements:** • Internet Explorer 8 or higher • Firefox 12 or higher • Safari 6 or higher **Note:** Make sure you have the latest version of Java installed. Visit **www.java.com** to download the latest version.
mydlink Website Requirements	• Broadband Internet connection Computer with: • Internet Explorer 8 or higher (ActiveX) • Firefox 12 or higher • Safari 6 or higher • Chrome 12 or higher

Introduction

The DCS-5030L HD Pan & Tilt Wi-Fi Day/Night Camera provides a range of features to help you effectively monitor large areas of your home or small office at all hours of the day. The pan/tilt function allows the camera to patrol a wide area, while the built-in IR LEDs provide around the clock surveillance regardless of the lighting conditions. Extra details are captures in 720p high definition resolution and H.264 compression saves space without sacrificing performance. Wireless connectivity means there is no need for additional cabling and Micro-USB input lets you power the device using universal cables and power adapters, making setup quick and hassle-free.

Peace of Mind with 24/7 Monitoring of any Environment

The DCS-5030L is a standalone surveillance camera that requires no special hardware or software, and can run independently even without a PC. Send e-mail notifications with snapshots or video clips whenever motion or sound is detected using just the DCS-5030L and an Internet connection. You can select areas of the video image to monitor for motion, allowing you to effectively monitor areas such as entry ways. You can also set volume thresholds to determine the sound level required to trigger a notification, great for detecting the sound of an intruder or vehicle, or the cry of a baby. Night time monitoring is also possible thanks to built-in infrared LEDs which allow for night time viewing of up to 5 meters, enabling round-the-clock monitoring of your home or small office.

Access Anywhere with mydlink® Lite

Enhanced with the mydlink Lite app, the DCS-5030L makes it easier and more convenient for you to keep an eye on your family, home or office, no matter where you are . You can view your camera's live video through the mydlink website, and also through an optional downloadable mydlink Lite app for your iPhone, iPad, or Android device. With the mydlink Lite app, you can quickly and easily view your camera feed from anywhere using a Wi-Fi or 3G/4G connection, giving you peace of mind, anywhere, anytime.

Sharp Image Monitoring from Different Angles

By providing you with sharp, responsive pan/tilt movement and digital zoom, the camera gives you full control. You can quickly scan a wide area from a variety of angles, and 4x digital zoom lets you zoom in on specific areas for more detail. The DCS-5030L can also be set to move to specific preset positions, allowing the camera to focus on particular areas of interest within the surveillance area.

Increased Range with Wireless N Technology

Place the DCS-5030L anywhere in your home or small office thanks to the latest Wireless N technology. With 802.11n, you can free yourself from the hassle of running cables to a far location, so you can effortlessly extend the range where your camera will be installed and start taking advantage of the increased data transfer speeds provided by Wireless N.

Features

Camera
- High quality CMOS sensor for crystal clear images
- Pan and Tilt functions to cover a large area
- Built-in IR LEDs to capture video in low-light environments

Wireless N Connectivity
- Wireless 802.11n gives increased speed, range, and reliability
- Place anywhere without the need for additional network cabling

Sound and Video
- Real-time H.264 and MJPEG compression for reduced video file size
- Sound and motion detection

Remote and Mobile Access
- Support for mydlink Lite lets you manage your camera from anywhere with Internet access
- Remote video monitoring via the mydlink website

Ease Of Use
- Supports WPS for simple, secure wireless setup
- Send snapshots or video clips to an FTP site or through E-mail

Hardware Overview

Front View

1	**Light Sensor**	The IR-Cut Removable sensor monitors lighting conditions and switches between color and infrared accordingly.
2	**Camera Lens**	Records video of the surrounding area.
3	**Manual Focus Bezel**	Manually adjust the focus of the lens for your required view.
4	**WPS LED**	Indicates the WPS connection status of the camera.
5	**Microphone**	Records audio from the surrounding area.
6	**Infrared LEDs**	Illuminate the camera's field of view in low light environments.
7	**Power and Link LED**	Indicates the camera's current status.

Rear View

1	**WPS Button**	Press this button, then press the WPS button for 5 seconds on your router to set up a wireless connection automatically.
2	**Ethernet Port**	RJ-45 connector for Ethernet.
3	**Reset Button**	Press and hold this button for 10 seconds to reset the camera.
4	**Micro-USB Port**	Connect a Micro-USB cable here to power on the camera.
5	**microSD Port**	Insert a microSD card to record to the card.

Installation

There are two ways to set up your camera:

- **Mobile App Setup:** You can set up your DCS-5030L with the free mydlink Lite app. Refer to **Mobile App Setup** on page 11.
- **Zero Configuration Setup:** If you have a mydlink-enabled router (D-Link cloud router), this is the easiest way to set up your camera. Refer to **Zero Configuration Setup** on page 12.

Mobile App Setup

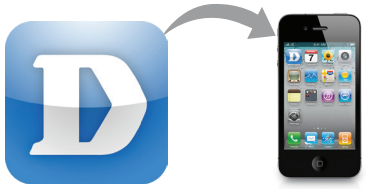
You can configure your camera through the mydlink Lite mobile app. Search for the free mydlink Lite app on the App Store or Google Play and download it to your smartphone or tablet. You can also use a QR code reading app to scan the corresponding code for your device below.

1. Download the free mydlink Lite app on your smartphone or tablet by scanning the QR code below, or by searching for **mydlink Lite** in the app store for your device.

mydlink® app

System Requirements: Refer to the mydlink Lite app page on Apple App Store or Google Play.

2. Launch the mydlink Lite app, then create a new account or log in to your existing account.



3. The app will guide you through the rest of the configuration process.

Zero Configuration Setup

Note: *The Zero Configuration Setup will only work with a registered D-Link Cloud Router and an active mydlink account.*

Step 1:

Attach the power supply to the power input on the camera and connect it to a wall outlet or power strip. Power is confirmed when the Status LED is lit.

Step 2:

Press and hold the WPS button on the camera for five seconds. The Status LED will start to blink green. Then, press the WPS button on your router within two minutes.

Your router will automatically assign your network settings to your camera.

WPS Button

Step 3:

From any computer, open a web browser, go to **http://www.mydlink.com** and log into your account. Once mydlink detects your camera, a **New Device Found!** notice will appear in the bottom right corner. Click on the camera from the *New Devices* list and then click **Yes** to add your camera.

Your setup is complete!

Wireless Installation Considerations

Your D-Link Wireless Camera lets you access your network using a wireless connection from anywhere within the operating range of your wireless network. However, the number, thickness and location of walls, ceilings, or other objects that the wireless signals must pass through, may limit the range. Typical ranges vary depending on the types of materials and background RF (radio frequency) noise in your home or business. The key to maximizing wireless range is to follow these basic guidelines:

1. Minimize the number of walls and ceilings between your adapter and other network devices (such as your Network Camera) - each wall or ceiling can reduce your adapter's range by 1-30 meters (3-90 feet).

2. Be aware of the direct line between network devices. A wall that is half a meter thick (1.5 feet), at a 45-degree angle appears to be almost 1 meter (3 feet) thick. At a 2-degree angle, it can appear over 14 meters (42 feet) thick. Position your devices so that the signal will travel straight through a wall or ceiling (instead of at an angle) for better reception.

3. Building materials make a difference. A solid metal door or aluminum studs may weaken the wireless signal. Try to position your access points, wireless routers, and other networking devices where the signal passes through drywall or open doorways. Materials and objects such as glass, steel, metal, walls with insulation, water (fish tanks), mirrors, file cabinets, brick, and concrete will degrade your wireless signal.

4. Keep your product at least or 1-2 meters (3-6 feet) away from electrical devices or appliances that generate RF noise.

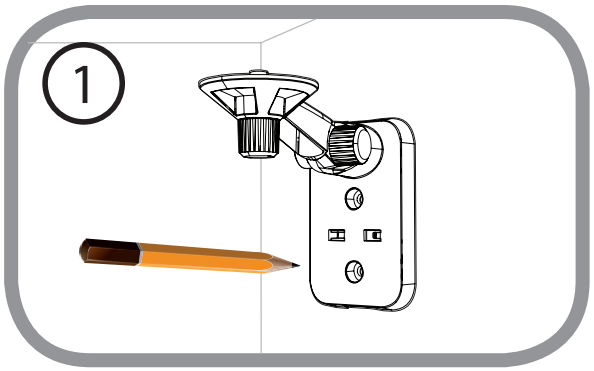
5. If you are using 2.4 GHz cordless phones or other radio frequency sources (such as microwave ovens), your wireless connection may degrade dramatically or drop completely. Make sure your 2.4 GHz phone base is as far away from your wireless devices as possible. The base transmits a signal even if the phone in not in use.

Mounting the Camera

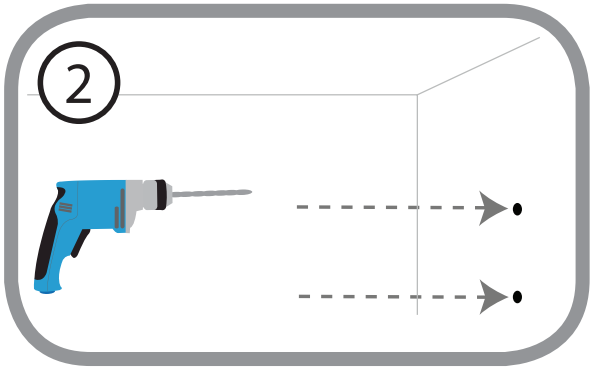
To mount your camera on a wall or ceiling, please follow the steps below:

It is recommended to configure the camera before mounting.

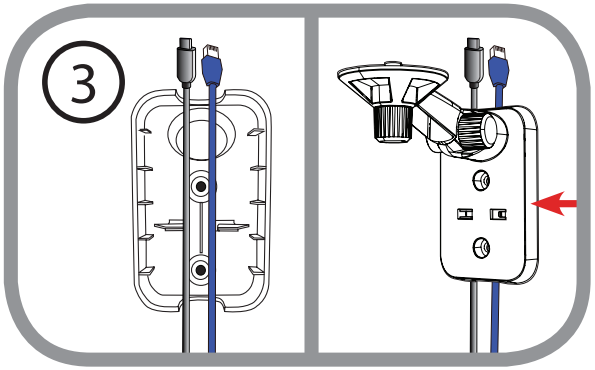
Step 1
Place the mounting bracket where you want to position the camera and use a pencil to mark the holes.



Step 2
Use appropriate tools to drill two holes the same diameter as the plastic anchors. After drilling the holes, insert the plastic anchors to support the screws.

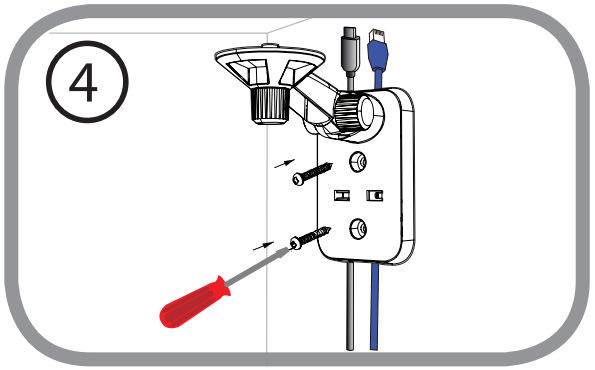


Step 3
If desired, the power and Ethernet cables can be concealed behind the mounting bracket. Run the cables through the back of the mounting bracket, securing them with the built-in guides. Be sure to leave enough cable length protruding from the top to allow connection to the camera.



Step 4

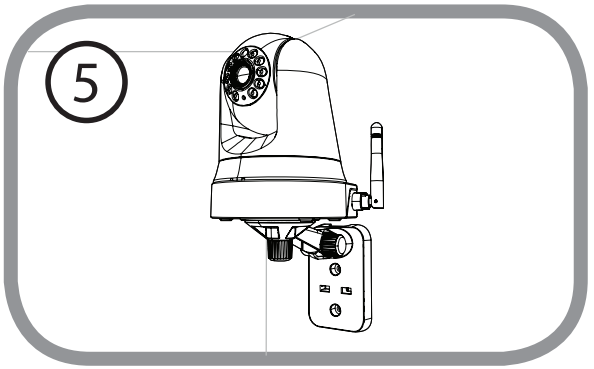
Fasten the mounting bracket to the wall using the screws provided.



Do not overtighten the screws as this may crack the mounting bracket.

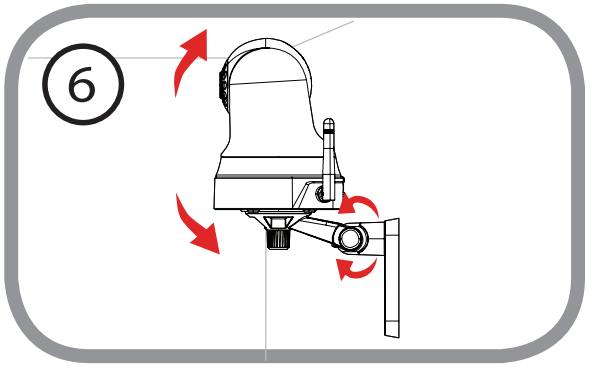
Step 5

Using the supplied thumbscrew, fasten the camera to the mounting bracket. Connect the power and Ethernet cables to the camera.



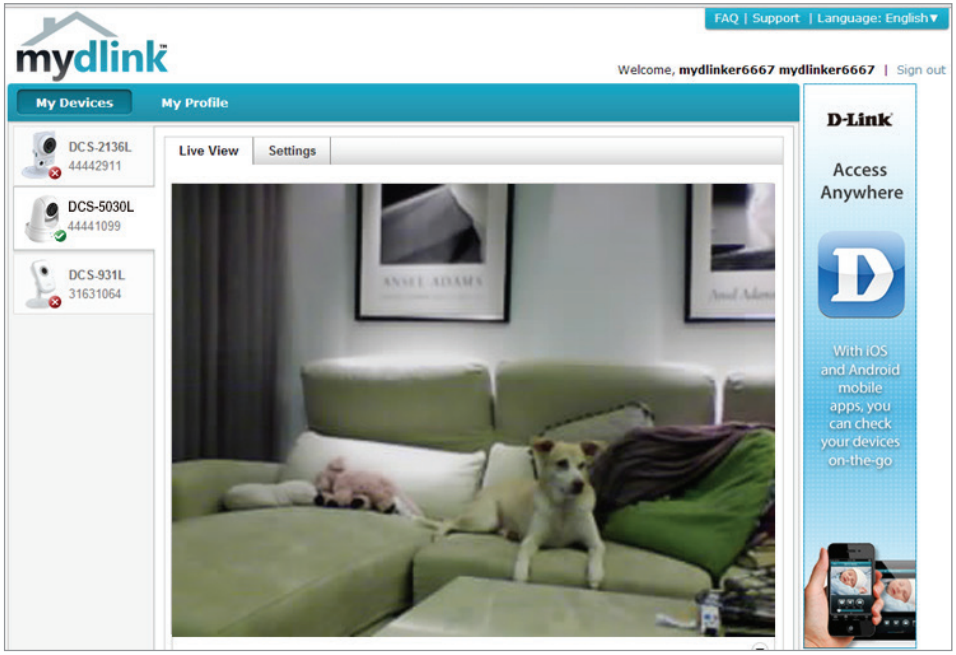
Step 6

Adjust the angle of the arm on the mounting bracket as required. Tighten the thumbscrew to lock the arm in place.



mydlink

After registering your DCS-5030L camera with a mydlink account, you will be able to remotely access your camera from the **www.mydlink.com** website. After signing in to your mydlink account, you will see a screen similar to the following:



Using the DCS-5030L with Google Home

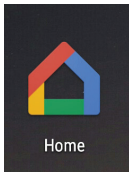
You can use your voice to control your DCS-5030L with your Google Home Smart Speaker and Google Assistant.

Before proceeding, make sure you have:

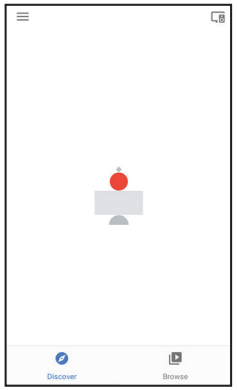
1. Installed your DCS-5030L and registered for a mydlink account using mydlink Lite. For more details, please see **Mobile App Setup on page 11**.
2. Make sure your mobile device, DCS-5030L, and Google Home Smart Speaker are all connected to the same wireless network.

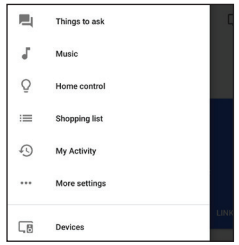
To activate your device for use with Google home:

1. From your mobile, download the **Google Home** app from Google Play or the App Store.

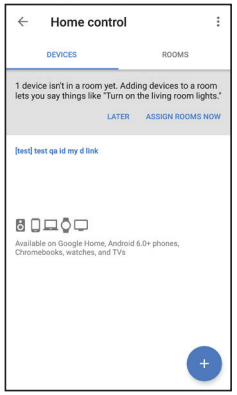


2. Start the app and follow the instructions to discover and add your DCS-5030L, or tap ≡ to bring up the menu and tap **Home control**.

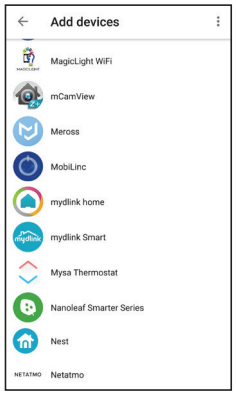


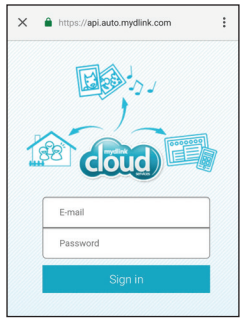


3. Tap + to add a device.

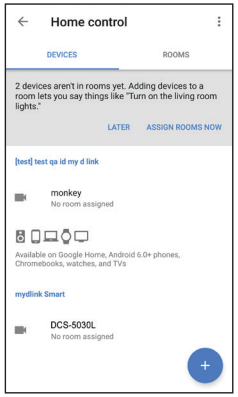


4. On the **Add devices** page, tap **mydlink Smart** to bring up the mydlink sign in page. Enter your account E-mail and Password and tap **Sign in.**

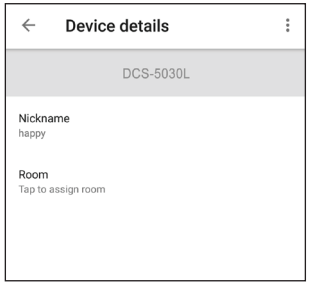




5. After logging in, your DCS-5030L will show up in the **Devices** tab under Home control.



6. You can also give your DCS-5030L a friendly name for use with voice commands under device details.

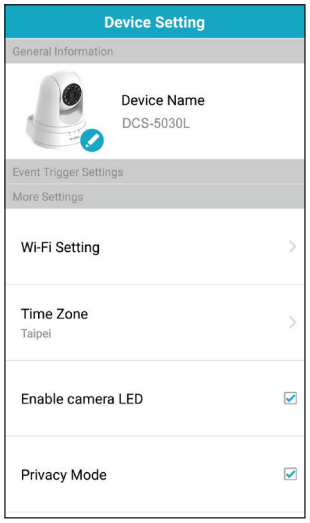


Using voice commands to control your DCS-5030L:

To enable live video streaming, you can give the voice command “Hey Google, turn [nickname of camera] On”.

To disable live streaming, open the mydlink Lite app and check Privacy Mode.

Note: When live streaming is On, the Privacy Mode setting will be Off. Conversely when live streaming is Off, the Privacy Mode setting will be On.

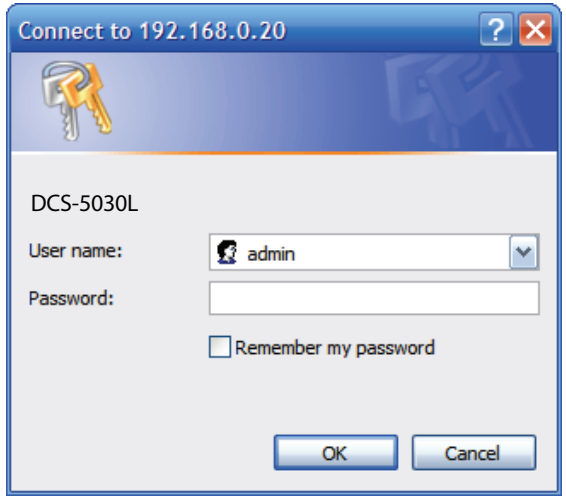


Configuration
Using the Web Configuration Interface

After completing the Camera Installation Wizard, your camera is ready to use. The camera's built-in web configuration interface is designed to allow you to easily access and configure your DCS-5030L. There are two ways in which you can access your camera's web configuration interface:

- Log in to your mydlink account to access your camera's configuration interface.
- You can also access the interface locally by entering the IP address of your camera into a web browser, such as Internet Explorer®. To log in, enter **admin** for the user name and then enter the password you created in the Installation Wizard. If you did not create a password, leave the password field blank. After entering your password, click **OK**.

Note: If you are directly connecting your camera to your PC, or if you are using the camera on a closed network, the default IP is **192.168.0.20**. If the camera is connected to a router or network, a different IP address may have been assigned.



Live Video

The Live Video screen shows you the live video feed from your camera. For information on how to configure your Live Video streams, refer to **Video** on page 31.

Video Compression Format: Click the **H.264** or **MJPEG** radio button to choose which stream to view.

Pan/Tilt Wheel: Click on the directional arrows on the pan/tilt wheel to manually control the pan and tilt functions of the camera. At any time, you can click the **home** button in the center of the wheel to return the camera to its home position.

Go To: Select one of the preset locations from the drop-down menu to move the camera to that position. Preset positions can be set by going to **Setup** > **Camera Control** section.

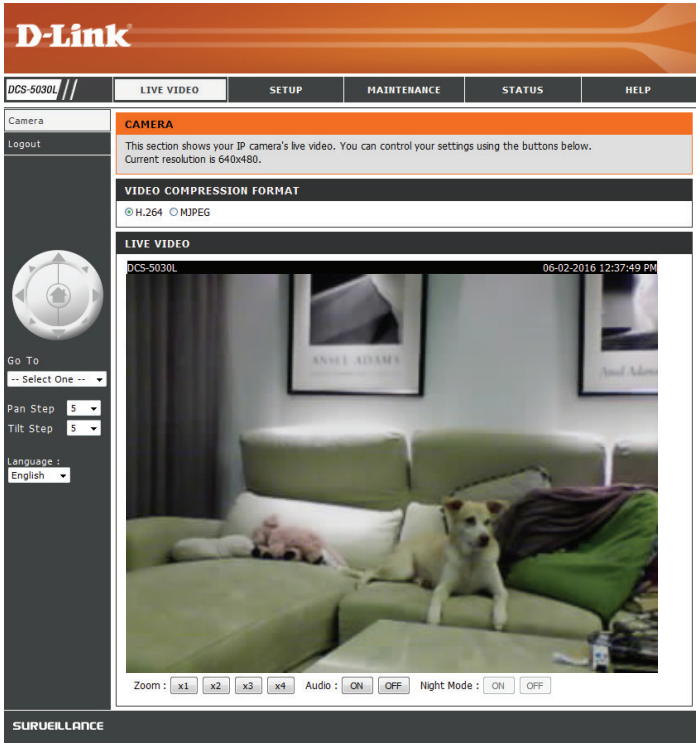
Pan Step: Select the increment of movement for each press of a pan (up/down) arrow on the pan/tilt wheel.

Tilt Step: Select the increment of movement for each press of a tilt (left/right) arrow on the pan/tilt wheel.

Language: You can select the desired language for the web interface from this drop-down menu.

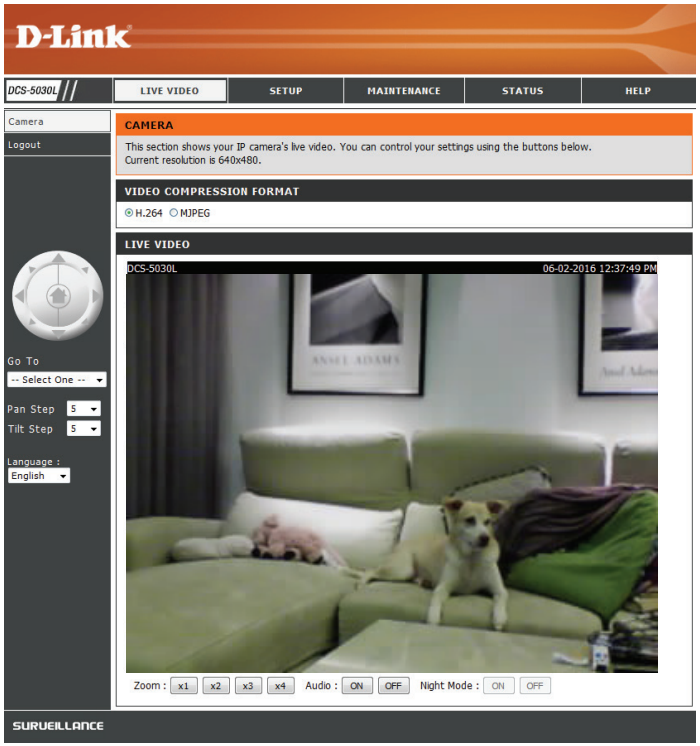
Zoom: Click on these buttons to adjust the level of digital zoom applied to the image

Audio: Click on these buttons to turn audio playback on or off.



Night Mode: If you have set the night mode to manual, the night mode feature can be toggled using these buttons.

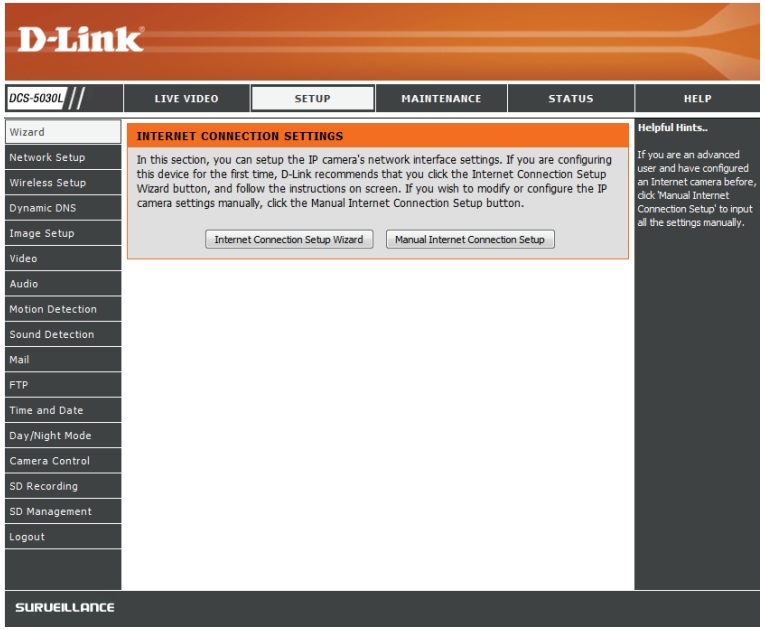
Note: If the live image is blurry or out of focus, you can manually adjust the focus by rotating the manual focus bezel surrounding the camera lens.



Setup

You may choose to configure your Internet connection by using the **Internet Connection Setup Wizard** that includes step-by-step instructions. Otherwise, you may manually configure your connection using the **Manual Internet Connection Setup**.

Note: To register your camera with mydlink and enable its mydlink-related features, you will need to use the mydlink Lite app or use the zero configuration method to configure your camera. Refer to page 10.



Internet Connection Setup Wizard

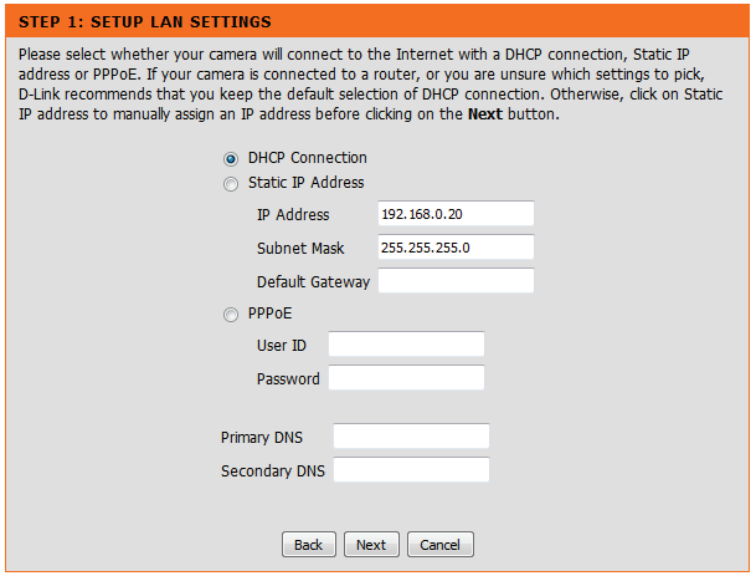
This wizard will guide you through a step-by-step process to configure your new D-Link Camera and connect the camera to your network.

Click **Next** to continue.

Select what kind of network connection your camera should use:

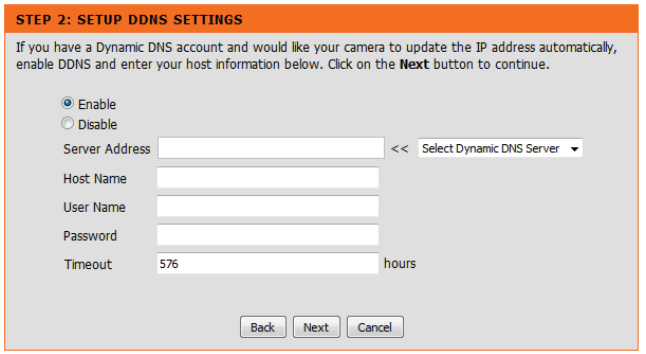
- **DHCP Connection (Default)**: If you are connected to a router, or are not sure which connection to use, select DHCP Connection.
- **Static IP Address**: This will allow you to manually enter your network settings for the camera. Select this option if your Internet Service Provider or network administrator has provided you with a set of predefined IP addresses. If you are not sure what settings to enter, check with your Internet Service Provider or network administrator.
- **PPPoE Connection**: If your camera is directly connected to a DSL modem, you may need to use PPPoE. Enter the username and password provided to you by your Internet Service Provider.

Click **Next** to continue.

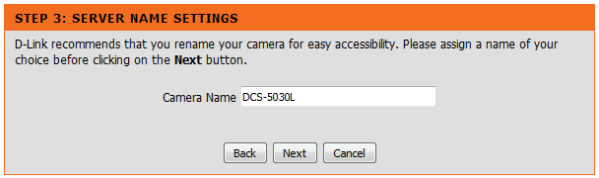


If you have a Dynamic DNS (DDNS) account and would like the camera to update your IP address automatically, select **Enable** and enter your host information. Otherwise, simply select **Disable**.

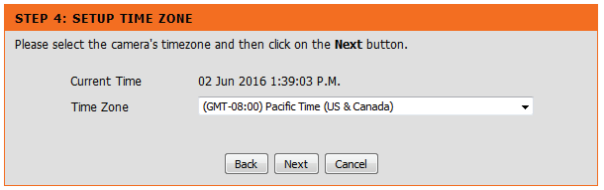
Click **Next** to continue.



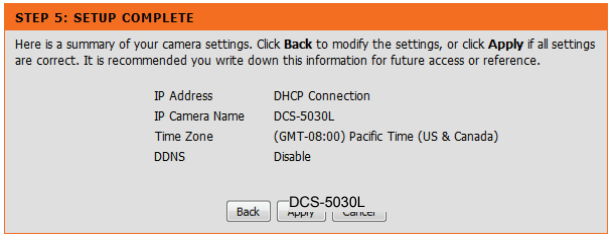
Enter a name for your camera. Click **Next** to continue.



Configure the correct time to ensure that all events are triggered, captured, and scheduled at the right time. Click **Next** to continue.



This page displays your configured settings. Click **Apply** to save and activate your changes, or click **Back** to change your settings.



Network Setup

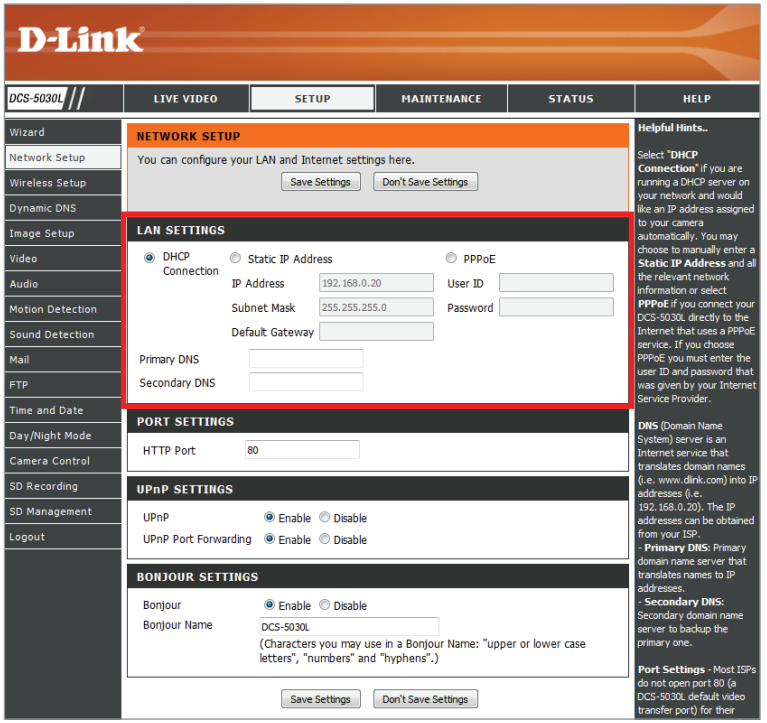
This section allows you to configure your network settings.

DHCP: Select this connection if you have a DHCP server running on your network such as a router and would like a dynamic IP address to be assigned to your camera automatically.

Static IP Client: Select this connection type if your Internet Service Provider (ISP) or network administrator has provided you with a static or fixed IP address and other network information for your camera. Click on the **Static IP Address** radio button to activate this method.

IP Address: The fixed IP address
Subnet Mask: The default value is "255.255.255.0." Used to determine if the destination is the same subnet.
Default Gateway: The gateway used to forward data to destinations in a different subnet. Invalid gateway settings may cause the failure of transmissions to a different subnet.
Primary DNS: Primary domain name server that translates names to IP addresses.
Secondary DNS: Secondary domain name server to backup the Primary DNS.

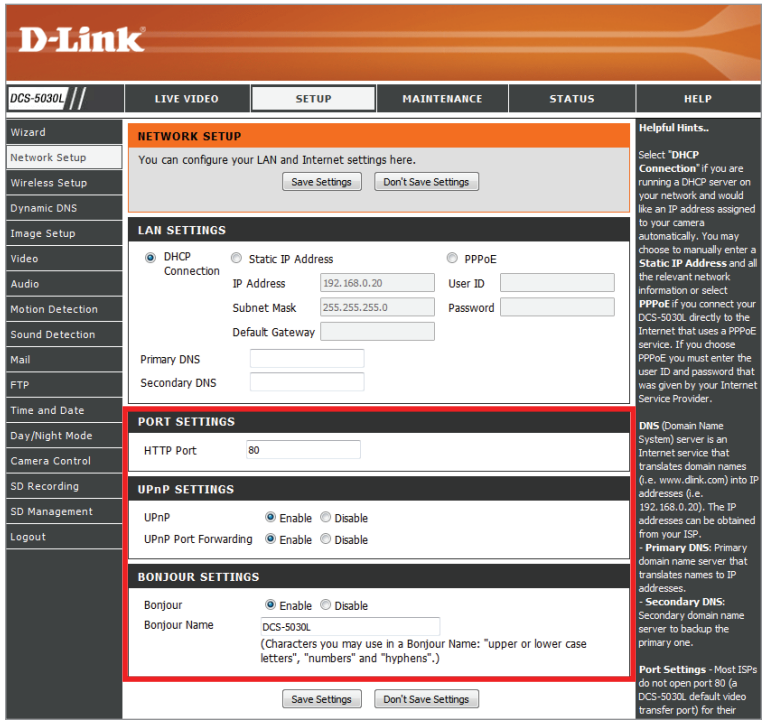
PPPoE: If you need to connect to the Internet using a PPoE connection, click on the **PPPoE** radio button and enter the username and password provided to you by your Internet Service Provider or Network Administrator.



Port Settings: You may configure a second HTTP port that will allow you to connect to the camera via a standard web browser. The port can be set to a number other than the default TCP port of 80. A corresponding port must be opened on the router. For example, if the port is changed to 1010, users must type **http://192.168.0.100:1010** instead of only "http://192.168.0.100".

UPnP Settings: Enable this setting to configure your camera as a UPnP device in the network. You can also enable UPnP port forwarding.

Bonjour Settings: Enable this setting to allow your camera to be discovered by the Bonjour service. You can also specify a Bonjour name for the device.



Wireless Setup

This section allows you to configure the wireless settings on your camera.

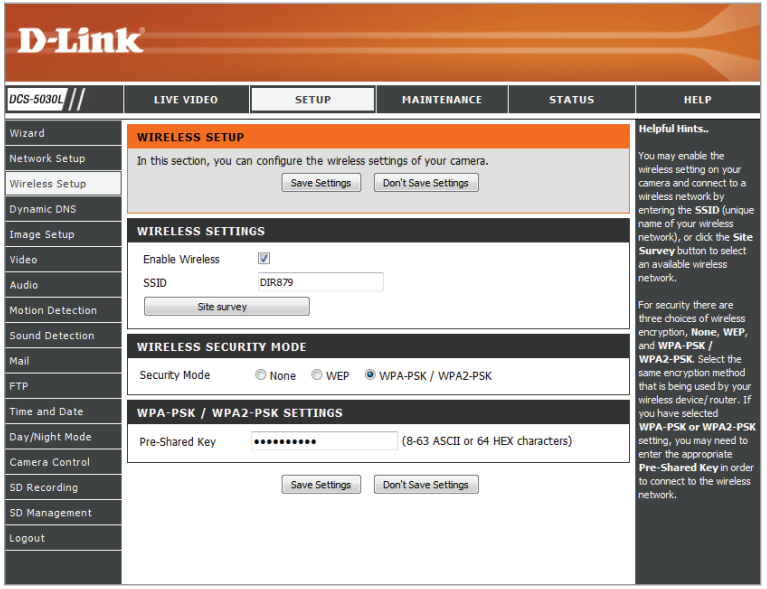
Enable Wireless: Check this box to allow your camera to connect to your network wirelessly. Uncheck it if you want to connect to your network using an Ethernet cable.

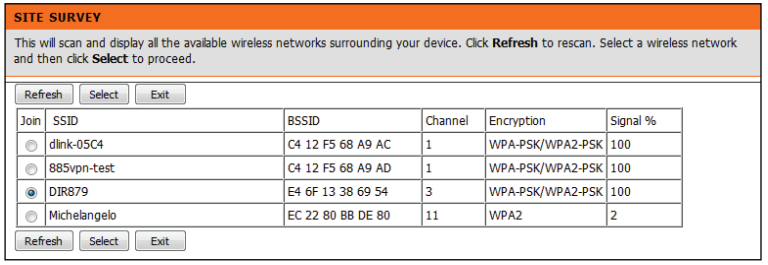
SSID: Enter the Wi-Fi network name (SSID) of the wireless network you want to connect the camera to. You can also click the **Site Survey** button to select from a list of available networks.

Site Survey: When you click **Site Survey**, a list of wireless networks detected by the camera will be listed. To connect to a network, click the radio button in the first column and click **Select**. The SSID field should be filled in with the network name. Select the security mode and then enter the Wi-Fi password in the "Pre-Shared Key" box.

Wireless Security Mode: Select the wireless security mode used by your wireless network. If you select **WEP** or **WPA-PSK/WPA2-PSK**, enter the Wi-Fi password for your wireless network in the text box. Select **None** if your wireless network is not secure.

Save Settings: Click to connect to your wireless network.





Dynamic DNS (DDNS)

This section allows you to configure the DDNS setting for your camera. DDNS will allow all users to access your camera using a domain name instead of an IP address.

Enable: Click to enable the DDNS function.

Server Address: Select your Dynamic DNS Server from the drop-down menu.

Host Name: Enter the host name of the DDNS server.

User Name: Enter your DDNS account user name.

Password: Enter your DDNS account password.

Timeout: This allows you to specify the periodic update time for the DDNS address.

Save Settings: Click to save your settings.

Image Setup

This section allows you to configure the image settings for your camera.

Enable Antiflicker: If you have lights flickering in your camera video, try enabling antiflicker.

Flip Image: Check this box to vertically flip the video (upside down).

Mirror: Check this box to Horizontally flip the video.

Note: If the camera is installed upside down on a ceiling, *Flip Image* and *Mirror* should both be checked

Brightness Control: Allows you to adjust the brightness level. Select a setting between -5 and +5. The default is 0.

Contrast Control: Allows you to adjust the contrast level. Select a setting between -5 and +5. The default is 0.

Saturation Control: Allows you to adjust the saturation level. Select a setting between -5 and +5. The default is 0.

Save Settings: Click to save your settings.

Video

This section allows you to configure the video settings for your camera. Please wait a few seconds for the camera to adjust the video after making changes.

Video Profile: This section allows you to change the resolution, FPS, and quality for both H.264 and MJPEG.

Resolution: Select the desired video resolution from three formats: **1280 x 720**, **640 x 480**, and **320 x 240**. Higher settings offer better quality, but will require more bandwidth to stream.

Bit Rate: Select the desired bit rate for the video. A higher bit rate will increase image quality, but will require more bandwidth.

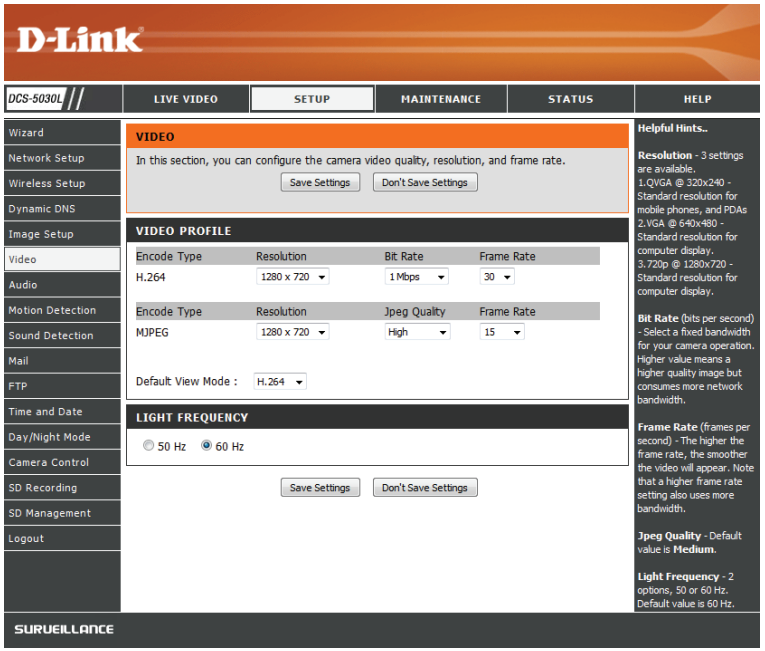
Frame Rate: Select the frame rate (FPS) to use for the video stream. Higher settings offer better quality, but will require more bandwidth.

JPEG Quality: Select one of five levels of image quality: **Very High**, **High, Medium, Low,** and **Very Low**.

Default View Mode: Select the default encoding to use when viewing your video on the **Live Video** page.

Light Frequency: Select the frequency used by your lighting and power to help reduce image flicker.

Save Settings: Click to save your settings.



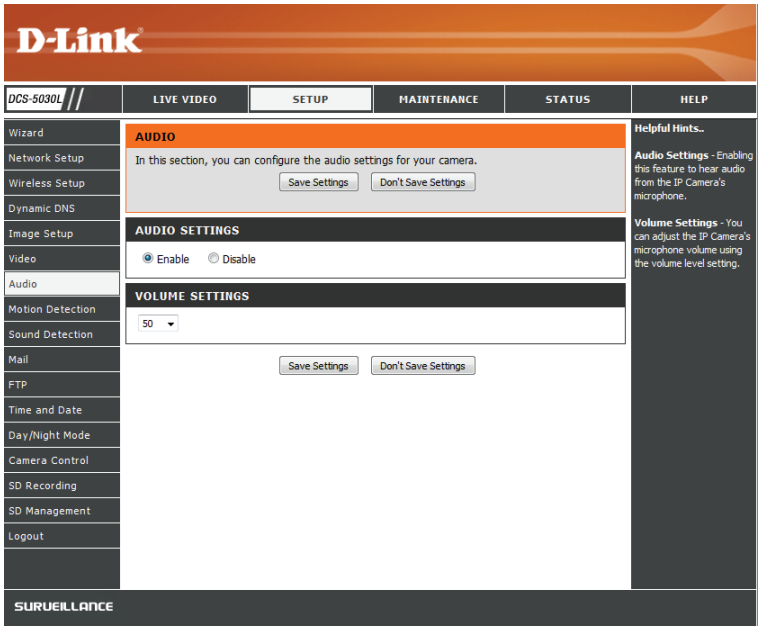
Audio

This section allows you to adjust the audio settings for your camera. Please wait a few seconds for the camera to adjust the audio after making changes.

Audio Settings: You may **Enable** or **Disable** the camera audio feed.

Volume Settings: Select the desired volume percentage level.

Save Settings: Click to save your settings.



Motion Detection

Motion detection allows you to mark areas of your camera's video to monitor for motion, which can be used to trigger snapshots or recordings. Refer to **Mail** on page 35 and **FTP** on page 38 for more details.

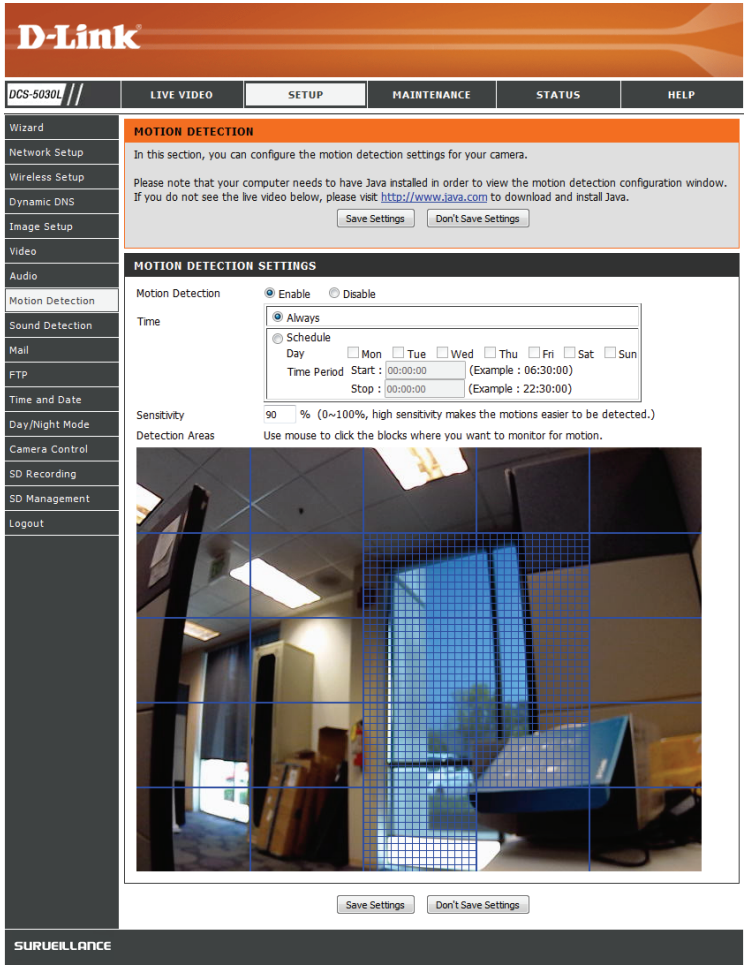
Motion Detection: Select whether you want to enable or disable the motion detection feature of your camera.

Time: Specify whether you want to **Always** have motion detection enabled, or according to a **Schedule** that you define.

Sensitivity: Specify the amount of difference required to determine whether there was motion.

Detection Areas: Use your mouse to click on the areas of the video that you would like to monitor for motion.

Save Settings: Click to save your settings.



Sound Detection

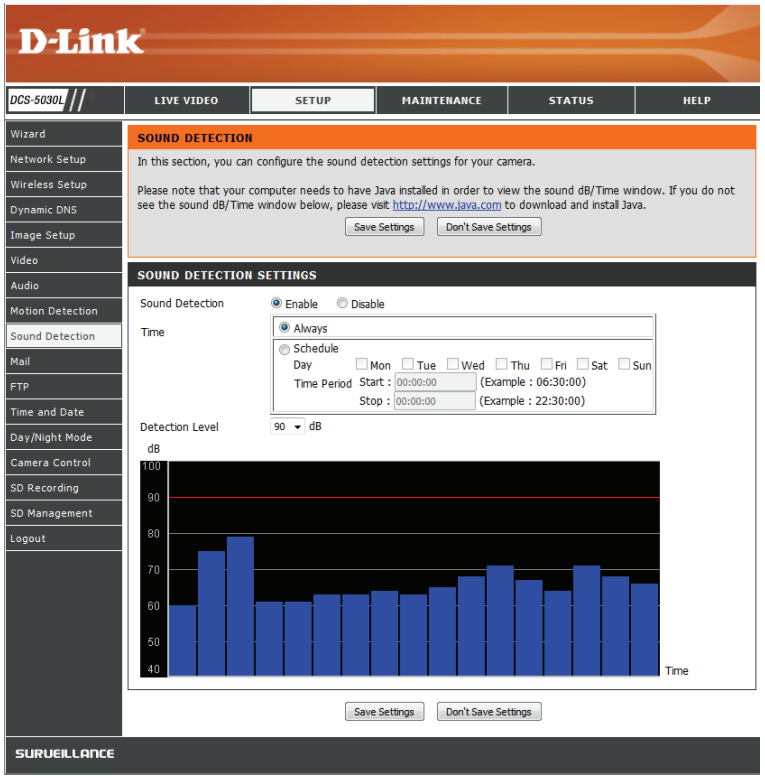
Sound detection allows you to detect when there is a loud sound in the area, which can be used to trigger snapshots or recordings. Refer to **Mail** on page 35 and **FTP** on page 38 for more details.

Sound Detection: Select whether you want to enable or disable the sound detection feature of your camera.

Time: Specify whether you want to **Always** have motion detection enabled, or according to a **Schedule** that you define.

Detection Level: Specify the volume level that a sound must exceed in order to trigger the sound detection feature. The graph at the bottom will display the current volume levels being detected by the camera.

Save Settings: Click to save your settings.



Mail

This section allows you to configure your camera to send snapshots and video clips to an e-mail address. If you are not sure what settings to use, check with your e-mail service provider.

SMTP Server Address: Enter the SMTP server IP address or domain name.

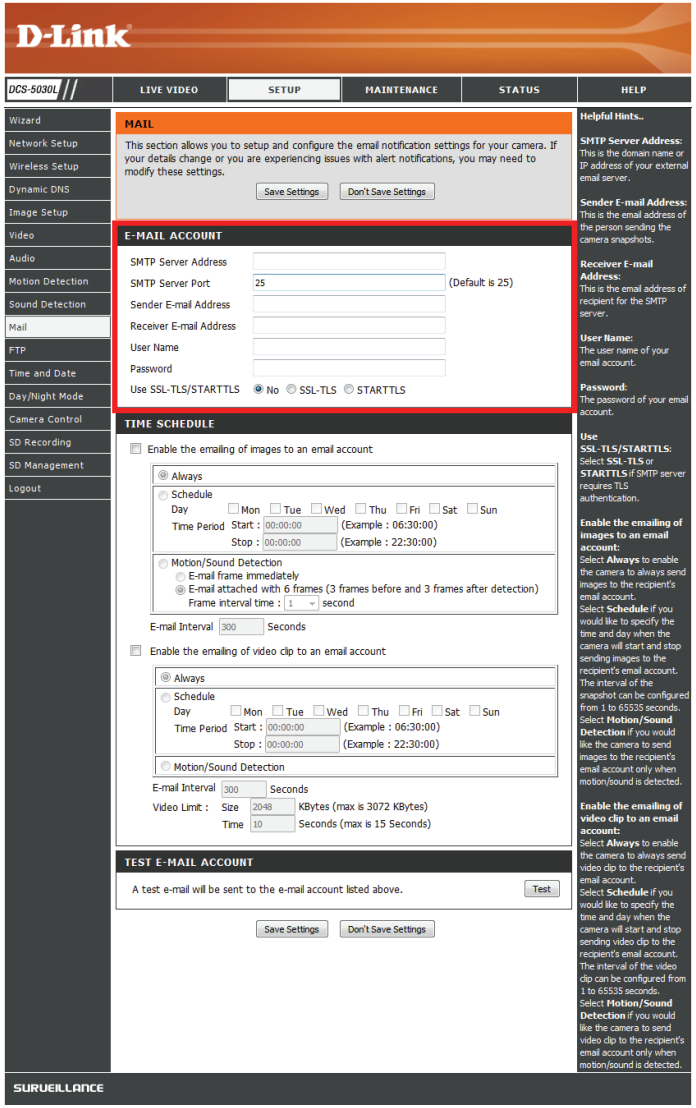
SMTP Server Port: Enter the SMTP port specified by the email provider. The default port is 25.

Sender e-mail Address: This is the e-mail address listed as the sender for your notification e-mails.

Receiver e-mail Address: This is the e-mail address that your notification e-mails will be sent to.

User Name: If the SMTP server uses authentication, enter your user name.

Password: If the SMTP server uses authentication, enter your password.



For example, if you want to use Gmail with SSL-TLS for e-mail notifications, you can follow the setup procedure as below:

Step 1 - Enter "smtp.gmail.com" in SMTP Server Address.
Step 2 - Change the SMTP server port number from 25 to 465.
Step 3 - Enter your gmail e-mail address in Sender E-mail Address.
Step 4 - Enter the destination e-mail address in Receiver E-mail Address.
Step 5 - Enter the user name required to access the SMTP server.
Step 6 - Enter the password required to access the SMTP server.
Step 7 - Select **SSL-TLS** and then click **Save Settings**.
Step 8 - Click the **Test** button to send a test e-mail to the account listed above.

Note: You can also use **STARTTLS**, which will use SMTP server port number **587**.

Note: If you want to use a Yahoo SMTP server, the SMTP server address will be different between each registered region, and only SMTP port **465** is supported for **SSL-TLS**.

Enable the e-mailing of images to an e-mail account: Enabling this will allow snapshots to be e-mailed to you in different ways:

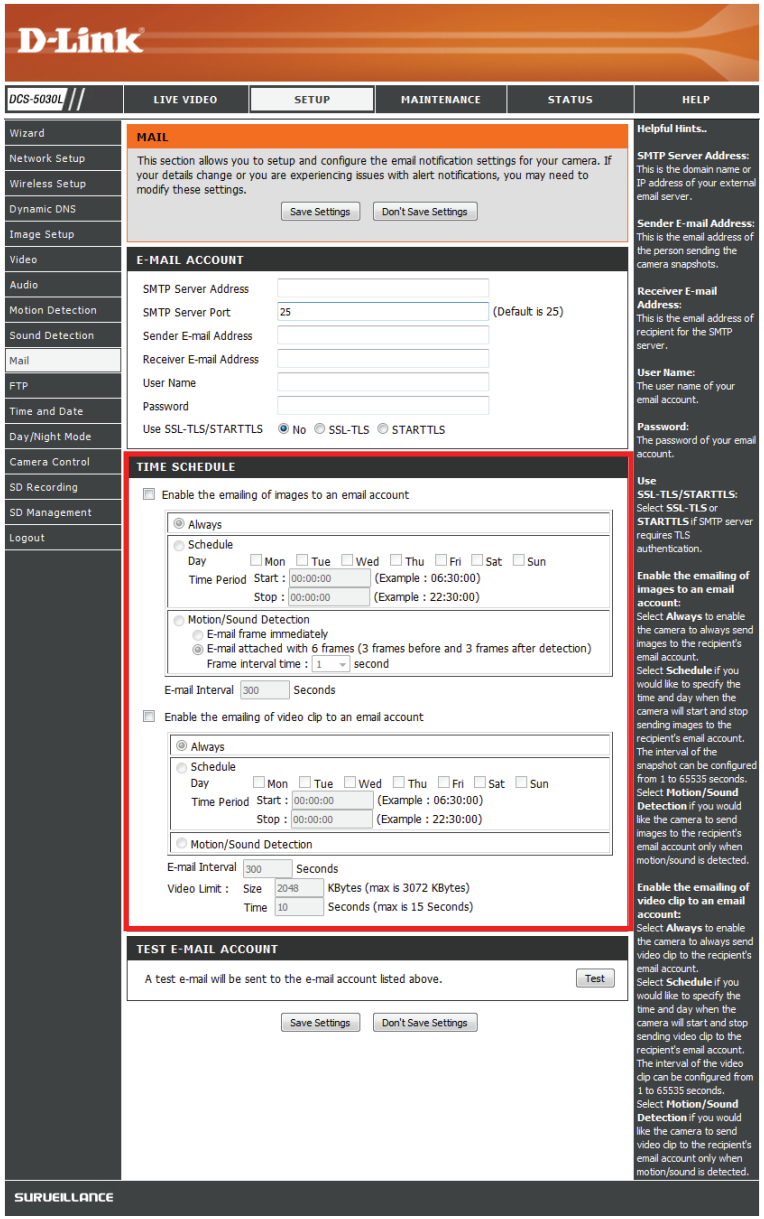
- Select **Always** to e-mail snapshots continuously based on the *E-mail Interval* specified.
- Select **Schedule** to set a day/time when to start and stop the e-mailing of snapshots.
- Select **Motion/Sound Detection** if you would like the camera to e-mail images only when motion or sound is detected. You can choose whether to e-mail a snapshot immediately, or e-mail 6 snapshots together, with 3 frames before and after motion/sound was detected. You can also set the **Frame interval time** to specify how far apart the snapshots should be.

E-mail Interval: This sets the limit for how frequently e-mail notifications will be sent. This can be set from 1 to 65535 seconds.

Enable the e-mailing of video clips to an e-mail account: Enabling this will allow video clips to be e-mailed to you in different ways. This is the same as e-mailing images, as specified above, but will take video clips according to the **Video Limit** settings you specify.

Test E-mail Account: This will send a test e-mail according to the e-mail settings you have specified above.

Save Settings: Click to save your settings.



FTP

This section allows you to configure your camera to send snapshots and video clips to an FTP server.

Host Name: Enter the IP address of the FTP server that you will be connecting to.

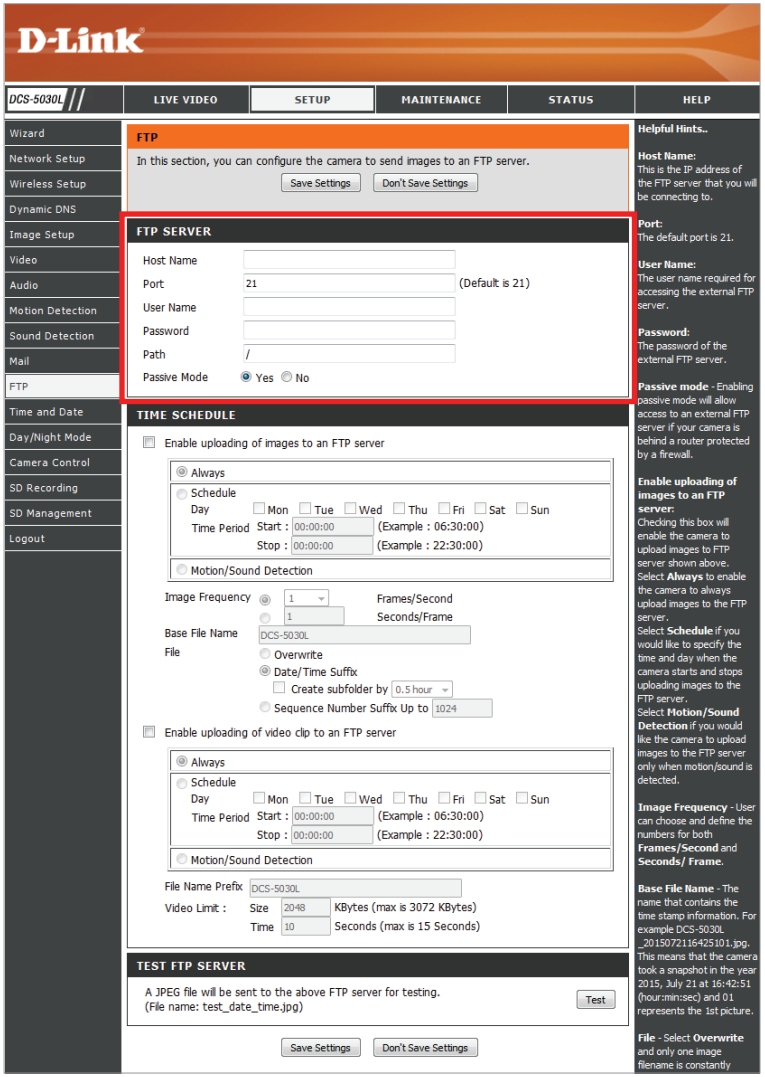
Port: Enter the port of the FTP server that you will be connecting to. The default port is 21.

User Name: Enter the user name of your FTP server account.

Password: Enter the password of your FTP server account.

Path: Enter the destination path/folder to save files to on the FTP server.

Passive Mode: Enabling passive mode may help you reach your FTP server if your camera is behind a router protected by a firewall.



Enable the uploading of images to an FTP server: Enabling this will allow snapshots to be uploaded in different ways:

- Select **Always** to upload snapshots continuously based on the *Image Frequency* specified.
- Select **Schedule** to set a day/time when to start and stop the uploading of snapshots.
- Select **Motion/Sound Detection** if you want the camera to upload images only when motion is detected.

Image Frequency: Set how frequently you want images to be taken and uploaded. You can choose to upload by frames per second, or by seconds per frame.

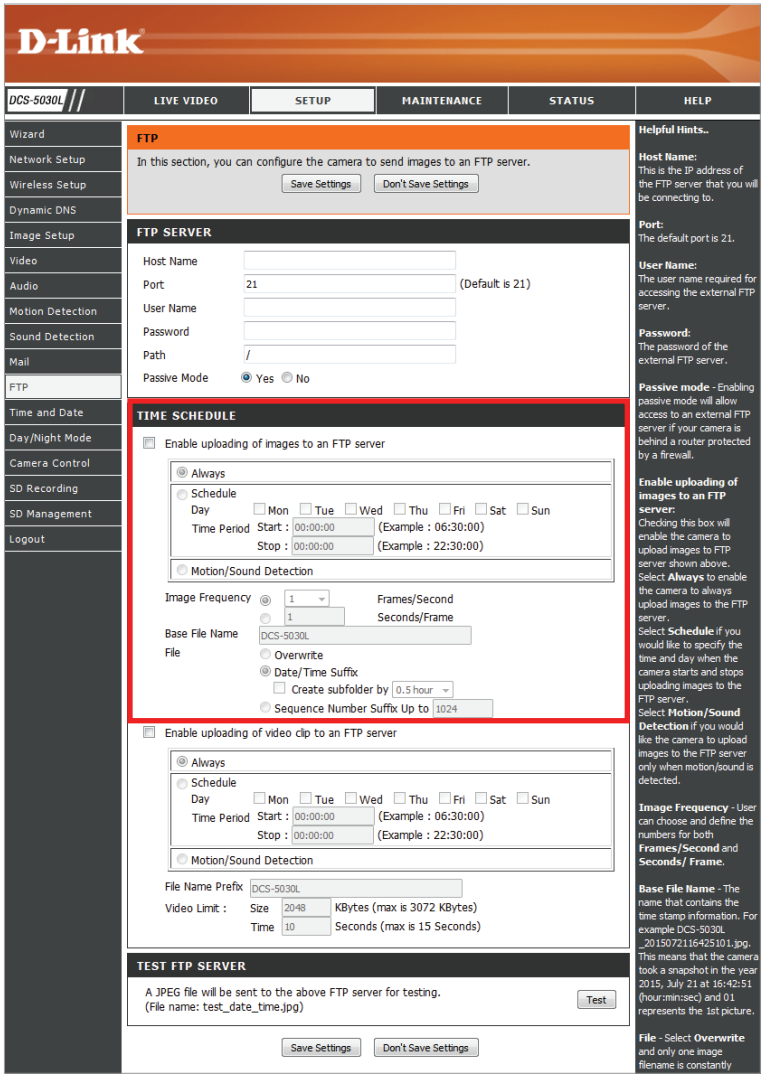
Base File Name: Set the desired base file name for your snapshots.

File: Select how you want uploading of snapshots to be handled:

- **Overwrite** will replace the old snapshot with the new one. This means you will only have one snapshot that is updated every time a new one is taken.
- **Date/Time Suffix** will add the date and time to the end of the snapshot file name. You can also choose to make subfolders based on a period of time you specify to help you organize your snapshots.
- **Sequence Number Suffix** will add a number to the end of the snapshot file name up to the number you specify, after which the oldest files will be overwritten.

Test FTP Server: Click the **Test** button to send a test JPEG snapshot to the FTP server specified above to make sure that your settings are correct.

Save Settings: Click to save your settings.



Enable the uploading of video clips to an FTP server: Enabling this will allow video clips to be uploaded to your FTP server in various ways.

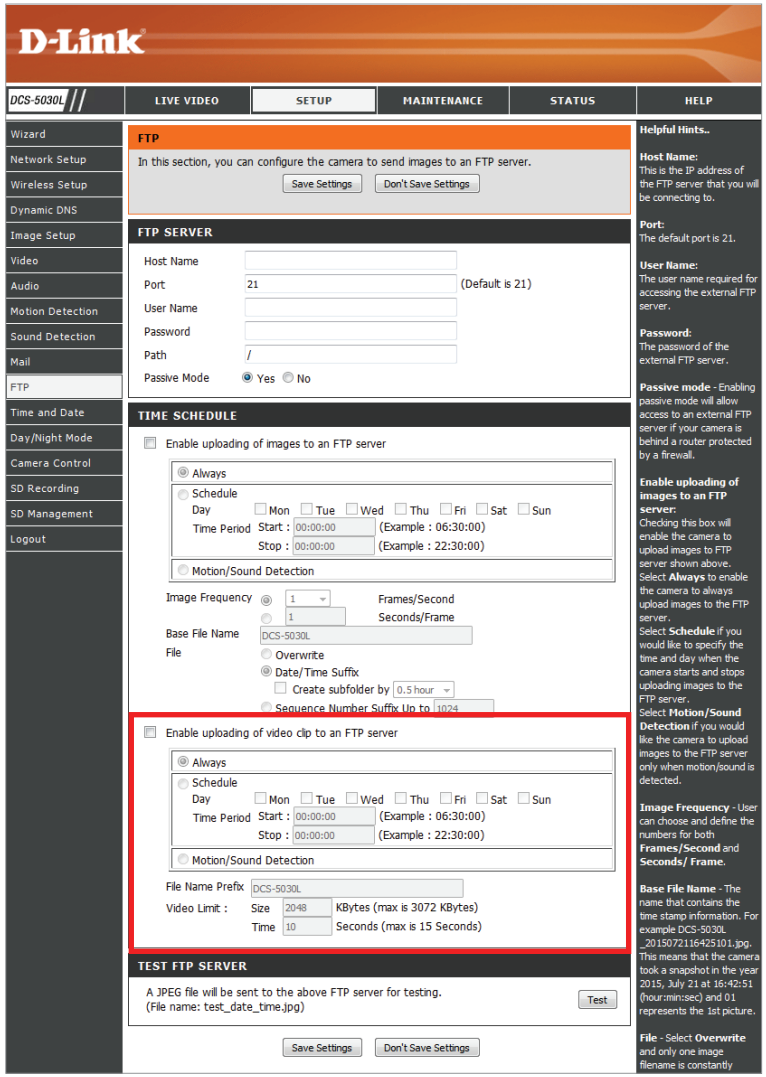
- Select **Always** to upload video continuously, based on *Video Limit* specified below.
- Select **Schedule** to set a day/time when to start and stop the uploading of video.
- Select **Motion/Sound Detection** if you want the camera to upload video only when motion or sound is detected.

File Name Prefix: Set the desired base file name for your videos.

Video Limit: Specify the maximum file size and duration of the videos to be uploaded.

Test FTP Server: Click the **Test** button to send a test JPEG snapshot to the FTP server specified above to make sure that your settings are correct.

Save Settings: Click to save your settings.



Time and Date

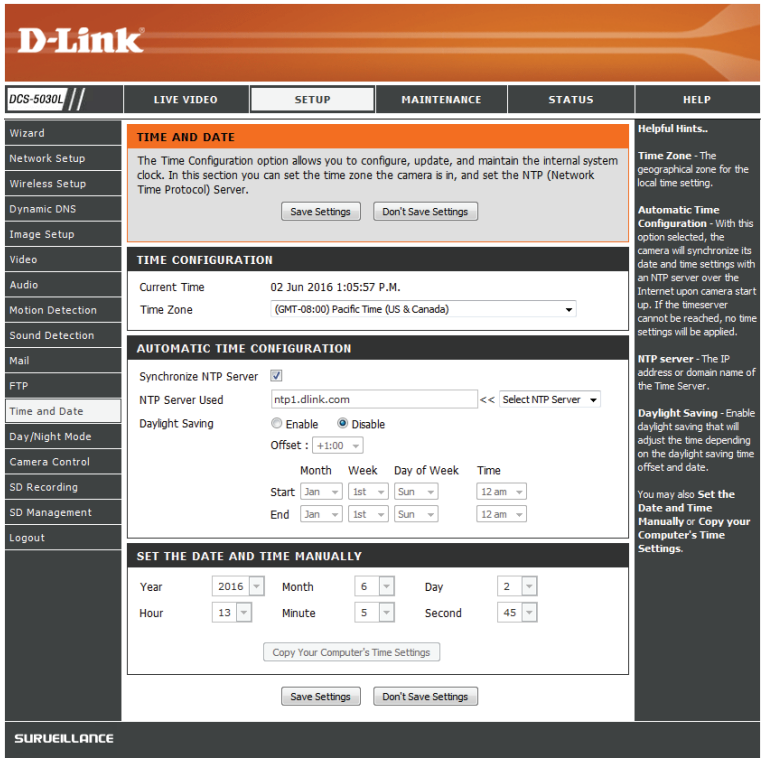
This section allows you to configure the settings of the internal system clocks for your camera.

Time Zone: Select the time zone for your region from the drop-down menu.

Synchronize NTP Server: Enable to allow the camera to update its clock automatically from an NTP server. Select the NTP server closest to you, and select whether you want to apply daylight saving corrections.

Set the Date and Time Manually: If Synchronize NTP Server is disabled, you can set the date and time manually. You can also click on the **Copy Your Computer's Time Settings** to automatically set the date and time based on your computer's settings.

Save Settings: Click to save your settings.



Day/Night Mode

This section allows you to configure when Day and Night modes are used. Day mode uses the infrared cut filter to provide a corrected color image for times where there is available lighting. Night mode moves the filter out of the way to use all available light, and turns on the IR LED illuminators to allow for clear black and white video in dark areas with little or no light.

Auto: This mode will automatically switch between Day and Night mode based on the amount of available lighting.

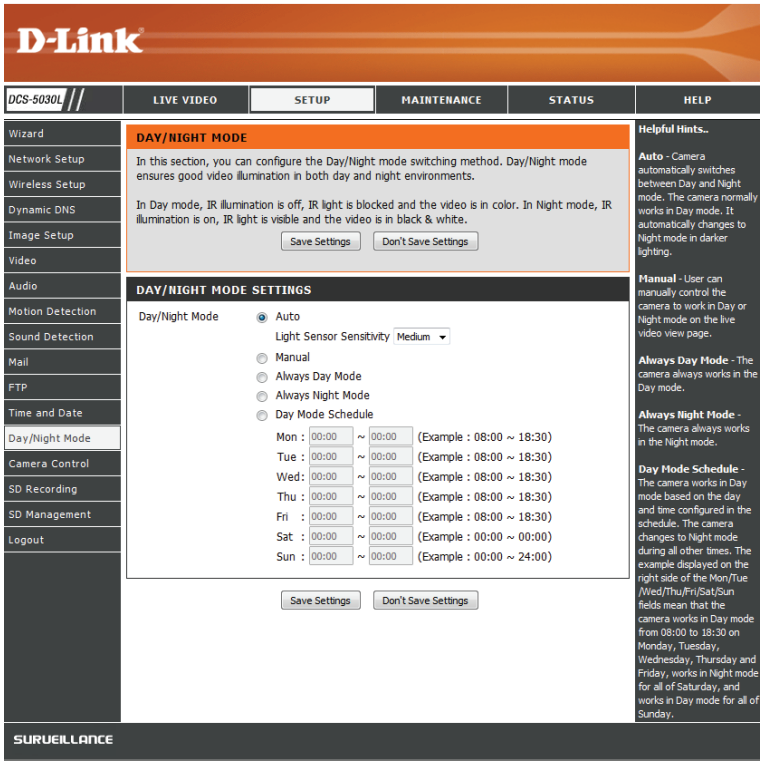
Manual: This mode allows you to manually switch between modes through the **Live Video** page.

Always Day Mode: This sets the camera to always use Day mode.

Always Night Mode: This sets the camera to always use Night mode.

Day Mode Schedule: This sets the camera to use Day mode during the times you specify, and will switch to Night mode outside the times you specify.

Save Settings: Click to save your settings.



Camera Control

This section allows you to configure the pan and tilt operations of your camera. You can specify the lens location for the **Home** button, and specify up to 24 pre-set lens locations, allowing you to quickly view these pre-determined areas of the camera's range from the **Live Video** screen.

Pan/Tilt Wheel: Use the directional arrows on the wheel to move the camera lens through its pan and tilt ranges.

Set as Home: Click this button to set the current lens location as the **Home** location. Once set, the camera will return to this location whenever the Home button in the center of the pan/tilt wheel is clicked.

Default Home: Click this button to reset the Home location to the factory default setting.

Pan Step: Select the increment of movement for each press of a pan (left/right) arrow on the pan/tilt wheel.

Tilt Step: Select the increment of movement for each press of a tilt (up/down) arrow on the pan/tilt wheel.

Preset Position: The camera allows you to specify up to 24 pre-determined lens positions, which can be used to quickly move the camera's view to areas of interest.

- Select the number of the position that you would like to specify.
- Use the pan/tilt wheel to move the camera's lens to the desired preset position.
- Enter a name to help you easily identify the preset.
- Click the **Set** button to save the preset.
- Any pre-saved positions can be cleared by selecting the desired preset and clicking the **Clear** button.

SD Recording

This section allows you to configure the recording schedule and settings for a microSD card in your camera.

Enable recording of images to SD card: Check the box to enable and select a method of triggering image recording (**Always, Schedule,** or **Motion/Sound Detection**). If you select **Schedule**, you can specify the time/days you wish to activate recording.

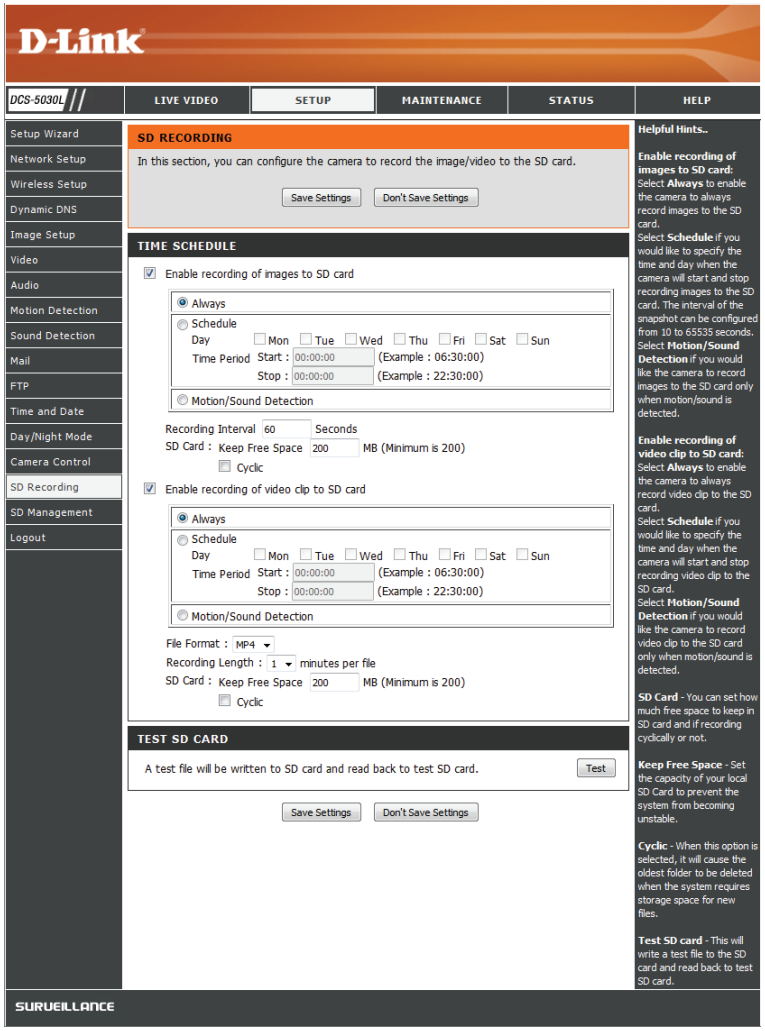
Recording Interval: Enter the time in seconds between each image to be recorded.

SD Card: Enter the space in MB that you want to reserve on your SD card for other recordings. Check **Cyclic** if you want to record over old images as soon as the free space limit is reached.

Enable recording of video clip to SD card: Check the box and select a method of triggering video recording (**Always, Schedule,** or **Motion/Sound Detection**). If you select **Schedule**, you can then specify the time/days you wish to activate recording.

File Format: Select either **AVI** or **MP4** (for MPEG4) from the drop-down menu if you have a preferred format for compatibility on devices. MP4 files are smaller in size but is lower quality if storage is an issue.

Recording Length: Select from 1 to 6 minutes of time for each recording.



SD Card: Enter the space in MB that you want to reserve on your SD card for other recordings. Check **Cyclic** if you want to record over old images as soon as the free space limit is reached.

Test SD Card: Click the **Test** button after configuring your settings to test your system.

Save Settings: Click to save your settings.

SD Management

This page allows you to browse and manage the recorded files on a microSD card which has been inserted into the camera.

Note: It is recommended to use the **Format SD Card** function when inserting a microSD card for the first time.

Format SD Card: Click to format the SD card and create a folder for video.

Warning: Formatting your SD card will erase all data currently saved.

Delete: Click the checkbox under the *Delete* column to select files meant for deletion. The Delete button is used to delete the files which are selected.

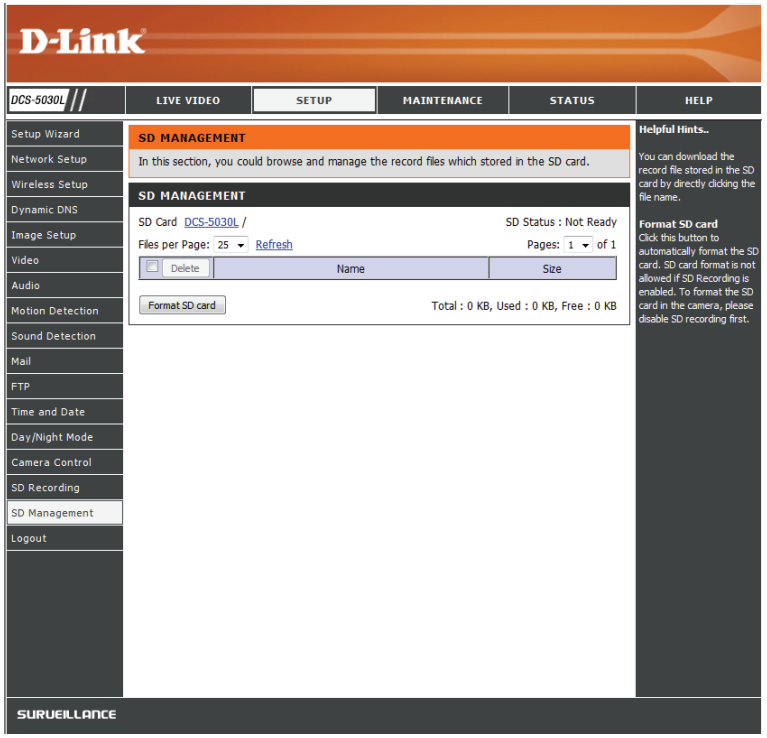
Name: The name of the recording file.

Size: The file's size.

Refresh: Click to refresh the page.

Files per page: Select the number of files to be displayed on a single page. The maximum is 25 files.

Pages: Show the current and total number of pages and lets you jump to a page.



Maintenance
Admin

This section allows you to change the administrator's password and configure the server settings for your camera. You can also manage the user account(s) that are allowed to access to your camera.

Admin Password: To change the admin password used to log into the web interface, enter the old password, then enter a new password and retype it in the next box. Click **Apply**.

Camera Name: Enter a name for your camera. This is useful if you have multiple cameras on your network.

LED Control: Select **Normal** to enable the LEDs on the front of the device, or select **Off** to disable the LED. Disabling the LED function may be useful if you want to make the camera less obvious.

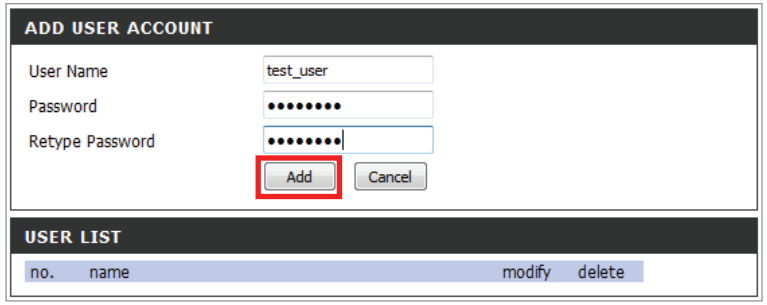
User Access Control: Select **Enable** to enable user access control or **Disable** to allow only the administrator account to access the camera. If enabled, you can create users below under *Add User Account*.

Snapshot URL Authentication: Select **Enable** to allow access to the current camera snapshot via the web address indicated.

OSD Time: Select **Enable** to allow the current time to be added to the camera video, and select a color to use for the text.

Add User Account: You can create new users to provide viewing access for your camera's video. User accounts will only be able to access the **Live Video** section of the web configuration interface, but cannot access any other parts or change any settings.

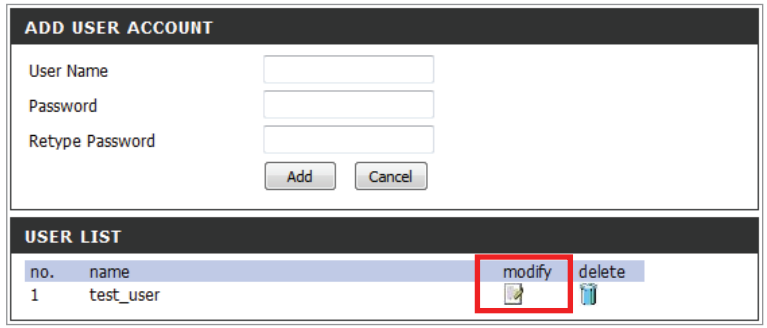
To create a new user, enter a user name, password, and retype the password, then click **Add**. A maximum of eight user accounts can be created.

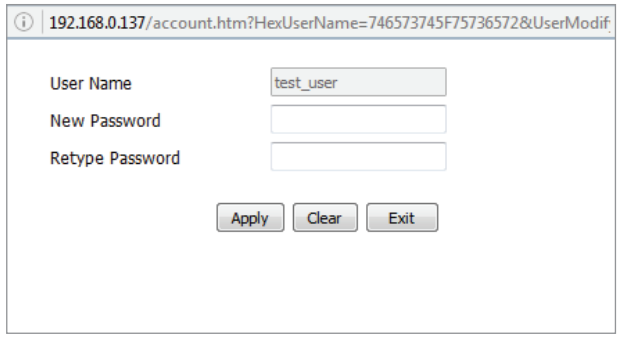


User List: Displays the account names of authorized users.

Modify: Click to change the user's password.

Delete: Click to remove the user.





System

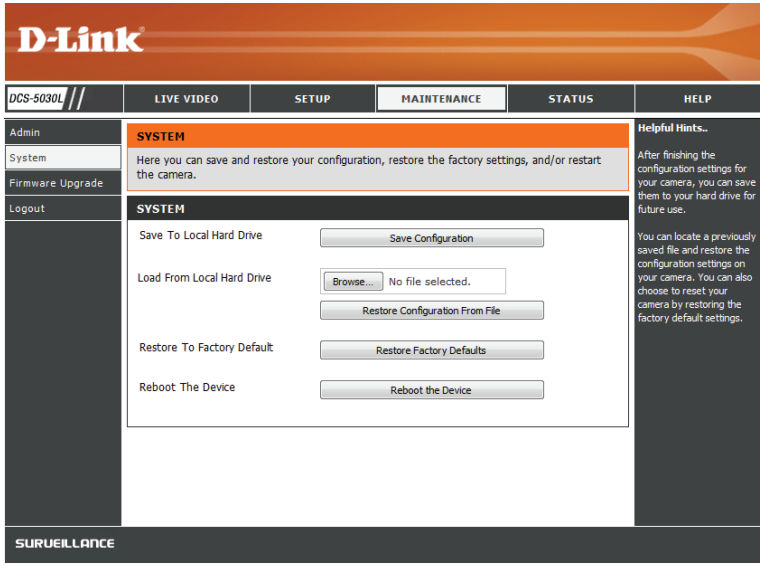
This section allows you to save and restore your configuration, restore the factory settings, and/or restart the camera.

Save To Local Hard Drive: Click the **Save Configuration** button to save the current camera configuration to your computer.

Load From Local Hard Drive: To load a previously saved configuration, click the **Browse...** button, select your saved configuration file, then click the **Restore Configuration From File** button.

Restore To Factory Default: Click the **Restore Factory Defaults** button to reset all settings back to the factory defaults. Please note that this will erase any changes you have made to the settings of the camera.

Reboot The Device: Click the **Reboot the Device** button to reboot the camera.

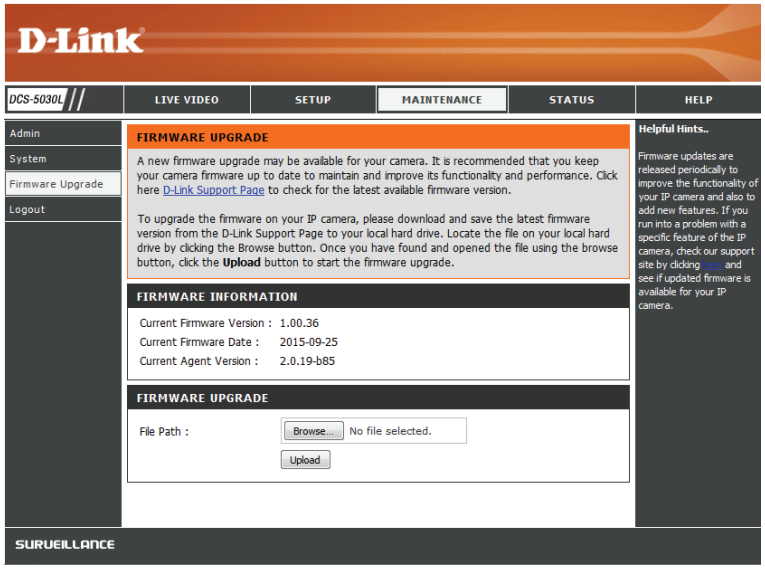


Firmware Upgrade

Your current firmware version and date will be displayed on your screen. You may go to the D-Link Support Page to check for the latest firmware versions available.

To upgrade the firmware on your DCS-5030L, download the latest firmware from the D-Link Support Page to your local hard drive. Click the **Browse...** button and select the firmware file, then click the **Upload** button to start the firmware upgrade.

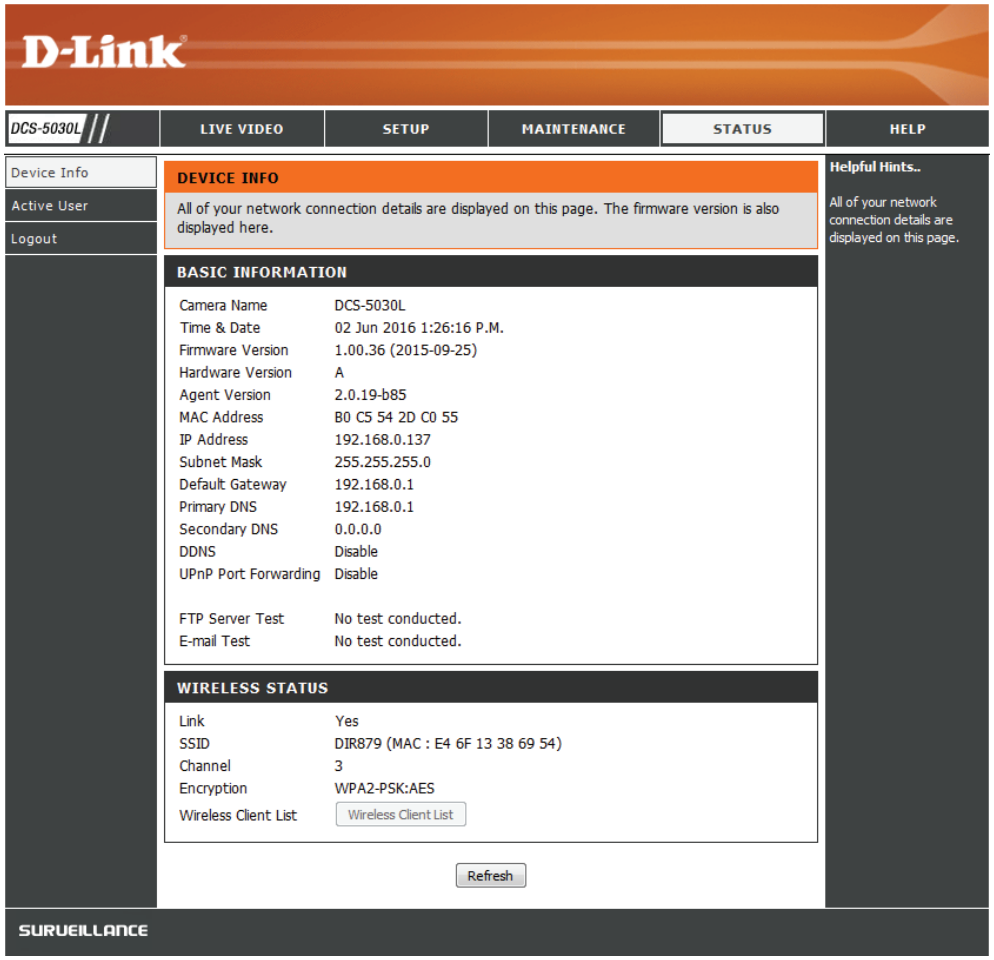
Warning: The firmware upgrade process must not be interrupted or the camera may be damaged. When upgrading firmware, do not unplug the camera or your PC, or close your web browser until the process is complete. It is also recommended that you use a wired connection for your camera and PC when upgrading firmware if possible.



Status

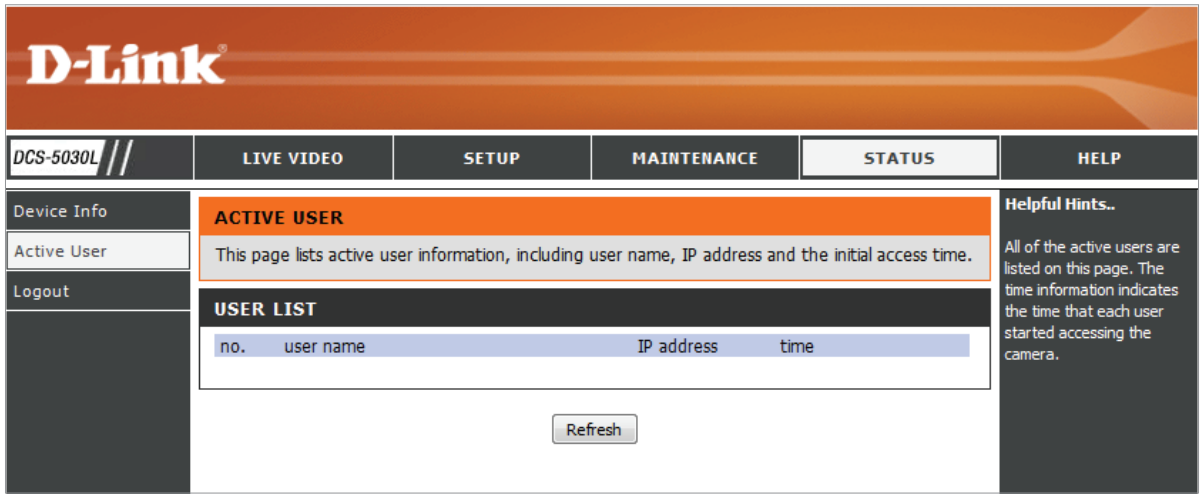
Device Info

This section displays all the detailed information about your device and network settings.



Active User

This page lists all the active users' information including the User Name, IP address, and the time that camera access began.



Help

This page lists all the topics and links to respective helpful instructions for each feature.

Troubleshooting

1. What is Remote Access? How do I enable it?

Remote Access allows you to access your camera from any PC connected to the Internet through a web browser. This lets you view your camera feed and manage your camera's settings when you're away from home.

To enable Remote Access, simply go through the Camera Installation Wizard. You can also download the wizard from: **http://www.mydlink.com/support**

After going through the wizard, you should see Remote Status: Enabled on the summary page.

If you see Remote Status: Disabled, make sure that:

- ...the front LED on your camera is lit solid green
- ...your Internet connection is working
- ...your router's LAN & WAN connections are working properly
- ...your router has UPnP enabled (if your router does not support UPnP, please refer to Appendix A)
- ...your router can get a public IP address
- ...your router's firmware has been upgraded to the latest version
- ...you have tried rebooting your router by unplugging it, then plugging it back in

After checking the above items, you can click the Retry button to refresh the summary screen to see if Remote Access has been enabled.

2. What can I do if I forget the password for my camera's web configuration interface?

If you forget your password, you will need to perform a factory reset of your camera. This process will change all your settings back to the factory defaults. It is therefore recommended that you make a record of the password for future reference.

To reset your camera, please use an unfolded paperclip to press and hold the RESET button for at least 10 seconds while your camera is plugged in.

3. The image on the live view is blurry or out of focus, what can I do?

You can manually adjust the focus of the lens by rotating the bezel on the front of the camera (surrounding the lens). While watching the live view, rotate the bezel until the desired level of focus is achieved.

4. Why don't the LEDs light up?

The power supply might be faulty. Confirm that you are using the provided DC 12 V power supply for this network camera. Verify that the power supply is correctly connected. The WPS LED will only turn on if there is a WPS connection present, the camera may still be functioning correctly even if this LED is not lit. If the camera is functioning normally, the LEDs may have been disabled. See **Admin** on page 47 for information about how to enable the LEDs.

5. Why is the camera's network connection unreliable?

There might be a problem with the network cable. To confirm that the cables are working, PING the address of a known device on the network. If the cabling is OK and your network is reachable, you should receive a reply similar to the following (…bytes = 32 time = 2 ms).

Another possible problem may be that the network device such as a hub or switch utilized by the Network Camera is not functioning properly. Please confirm the power for the devices are well connected and functioning properly.

If you are using a wireless connection to connect the camera, be aware of the range limitations of the wireless N standard. Most wireless N devices have a maximum indoor range of around 70 metres (230 feet). Also be aware that obstacles such as walls, floors, doors and other solid objects can have an adverse effect on signal range.

6. Why does a series of broad vertical white lines appear through out the image?

It could be that the image sensor has become overloaded when it has been exposed to bright light such as direct exposure to sunlight or halogen lights. Reposition the camera into a more shaded area immediately, as prolonged exposure to bright lights will damage the sensor.

7. The camera is producing noisy images. How can I solve the problem?

The video images might be noisy if the camera is used in a very low light environment. Try switching to night mode if you are consistently monitoring a low light area.

8. The images are poor quality, how can I improve the image quality?

Make sure that your computer's display properties are set to at least 6-bit color. Using 16 or 256 colors on your computer will produce dithering artifacts in the image, making the image look as if it is of poor quality.

You may also need to check your image settings to make sure the brightness, contrast, and other settings are set properly. For more, refer to **Image Setup** on page 30.

9. Why are no images available through the Web browser?

ActiveX might be disabled. If you are viewing the images from Internet Explorer make sure ActiveX has been enabled in the Internet Options menu. You may also need to change the security settings on your browser to allow the ActiveX plug-in to be installed. Also, check that you have the latest version of Java installed. Java can be downloaded from **http://www.java.com**

If you are using Internet Explorer with a version number 6 or lower, then you will need to upgrade your Web browser software in order to view the streaming video transmitted by the Network Camera.

Technical Specifications

System Requirements

- Microsoft Windows® 10/8/7/Vista, or Mac OS X 10.6 or higher
- PC with 1.3 GHz or above and at least 128 MB RAM
- Internet Explorer 8, Firefox 12, Safari 6, or Chrome 20 or higher version with Java installed and enabled. Edge browser is not currently supported.

Networking Protocol

- IPV4, ARP, TCP, UDP, ICMP
- DHCP Client
- NTP Client (D-Link)
- DNS Client
- DDNS Client (Dyndns and D-Link)
- SMTP Client
- FTP Client
- HTTP Server
- PPPoE
- UPnP Port Forwarding
- LLTD

Built-In Protocol

- 10/100 BASE-T Fast Ethernet
- 802.11n/g/b WLAN

Wireless Connectivity

- 802.11n/g/b Wireless with WEP/WPA/WPA2 security
- WPS

Wireless Transmit Output Power (typical)

- 11b - 16 dbm
- 11g/11n - 12 dbm

Reset Button

- Reset to factory default

Video Codecs

- H.264
- MJPEG
- JPEG for still images

Video Features

- Adjustable image size and quality
- Time stamp and text overlay
- Flip and mirror
- **Resolution**
- 1280 x 720 (default)
- 640 x 480
- 320 x 240 at frame rates up to 30 fps

Lens

- Fixed length: 2.38 mm, Aperture: F2.2

Sensor

- 1/4" 720P progressive CMOS sensor

IR LED

- 0 lux with IR LEDs on

Minimum Illumination

- Color: 1 lux @ F2.0 (Day)
- B/W: 0 lux @ F2.0 (Night)

Viewing Angle

- Horizontal: 94.36°
- Vertical: 59.3°
- Diagonal: 110.44°

Pan/Tilt Range

- Pan Range: +170° ~ -170° (total 340°)
- Tilt Range: +90° ~ -20° (total 110°)

Digital Zoom

- Up to 4x

3A Control

- AGC (Auto Gain Control)
- AWB (Auto White Balance)
- AES (Auto Electronic Shutter)

Power

- Input: 100-240 V AC, 50/60 Hz
- Output: 5 V DC 1.5 A, 50/60 Hz

Dimensions (W x D x H)

- Camera Only - 4.29 x 4.58 x 5.26 in
- Camera Including Mounting Bracket - 4.29 x 4.58 x 9.06 in

Weight

- Device: 292.4 grams (0.64 lbs)
- Stand: 60.8 grams (0.13 lbs)

Max Power Consumption

- 5.56 W

Operation Temperature

- 0 ˚C to 40 ˚C (32 ˚F to 104 ˚F)

Storage Temperature

- -25 ˚C to 70 ˚C (-13 ˚F to 158 ˚F)

Operation Humidity

- 20 to 85% RH non-condensing

Storage Humidity

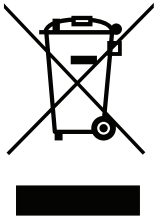
- 5 to 95% RH non-condensing

Emission (EMI), Safety & Other Certifications

- FCC Class B
- IC
- C-Tick
- CE

Disposing and Recycling Your Product

ENGLISH EN



This symbol on the product or packaging means that according to local laws and regulations this product should be not be disposed of in household waste but sent for recycling. Please take it to a collection point designated by your local authorities once it has reached the end of its life, some will accept products for free. By recycling the product and its packaging in this manner you help to conserve the environment and protect human health.

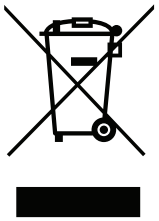
D-Link and the Environment

At D-Link, we understand and are committed to reducing any impact our operations and products may have on the environment. To minimise this impact D-Link designs and builds its products to be as environmentally friendly as possible, by using recyclable, low toxic materials in both products and packaging.

D-Link recommends that you always switch off or unplug your D-Link products when they are not in use. By doing so you will help to save energy and reduce CO2 emissions.

To learn more about our environmentally responsible products and packaging please visit **www.dlinkgreen.com**.

FRANÇAIS FR



Ce symbole apposé sur le produit ou son emballage signifie que, conformément aux lois et règlementations locales, ce produit ne doit pas être éliminé avec les déchets domestiques mais recyclé. Veuillez le rapporter à un point de collecte prévu à cet effet par les autorités locales; certains accepteront vos produits gratuitement. En recyclant le produit et son emballage de cette manière, vous aidez à préserver l'environnement et à protéger la santé de l'homme.

D-Link et l'environnement

Chez D-Link, nous sommes conscients de l'impact de nos opérations et produits sur l'environnement et nous engageons à le réduire. Pour limiter cet impact, D-Link conçoit et fabrique ses produits de manière aussi écologique que possible, en utilisant des matériaux recyclables et faiblement toxiques, tant dans ses produits que ses emballages.

D-Link recommande de toujours éteindre ou débrancher vos produits D-Link lorsque vous ne les utilisez pas. Vous réaliserez ainsi des économies d'énergie et réduirez vos émissions de CO2.

Pour en savoir plus sur les produits et emballages respectueux de l'environnement, veuillez consulter le **www.dlinkgreen.com**.

Contacting Technical Support

U.S. and Canadian customers can contact D-Link technical support through our web site or by phone.

Before you contact technical support, please have the following ready:

- Model number of the product (e.g. DCS-5030L)
- Hardware Revision (located on the label on the bottom of the Network Camera (e.g. rev A1))
- Serial Number (s/n number located on the label on the bottom of the Network Camera).

You can find software updates and user documentation on the D-Link website as well as frequently asked questions and answers to technical issues.

For customers within the United States:

Phone Support:
(877) 453-5465

Internet Support:
http://support.dlink.com

For customers within Canada:

Phone Support:
(800) 361-5265

Internet Support:
http://support.dlink.ca

Warranty

Subject to the terms and conditions set forth herein, D-Link Systems, Inc. (“D-Link”) provides this Limited Warranty:

- Only to the person or entity that originally purchased the product from D-Link or its authorized reseller or distributor, and
- Only for products purchased and delivered within the fifty states of the United States, the District of Columbia, U.S. Possessions or Protectorates, U.S. Military Installations, or addresses with an APO or FPO.

Limited Warranty:

D-Link warrants that the hardware portion of the D-Link product described below (“Hardware”) will be free from material defects in workmanship and materials under normal use from the date of original retail purchase of the product, for the period set forth below (“Warranty Period”), except as otherwise stated herein.

- Hardware: One (1) year
- Spare parts and spare kits: Ninety (90) days

The customer’s sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link’s option, to repair or replace the defective Hardware during the Warranty Period at no charge to the original owner or to refund the actual purchase price paid. Any repair or replacement will be rendered by D-Link at an Authorized D-Link Service Office. The replacement hardware need not be new or have an identical make, model or part. D-Link may, at its option, replace the defective Hardware or any part thereof with any reconditioned product that D-Link reasonably determines is substantially equivalent (or superior) in all material respects to the defective Hardware. Repaired or replacement hardware will be warranted for the remainder of the original Warranty Period or ninety (90) days, whichever is longer, and is subject to the same limitations and exclusions. If a material defect is incapable of correction, or if D-Link determines that it is not practical to repair or replace the defective Hardware, the actual price paid by the original purchaser for the defective Hardware will be refunded by D-Link upon return to D-Link of the defective Hardware. All Hardware or part thereof that is replaced by D-Link, or for which the purchase price is refunded, shall become the property of D-Link upon replacement or refund.

Limited Software Warranty:

D-Link warrants that the software portion of the product ("Software") will substantially conform to D-Link's then current functional specifications for the Software, as set forth in the applicable documentation, from the date of original retail purchase of the Software for a period of ninety (90) days ("Software Warranty Period"), provided that the Software is properly installed on approved hardware and operated as contemplated in its documentation. D-Link further warrants that, during the Software Warranty Period, the magnetic media on which D-Link delivers the Software will be free of physical defects. The customer's sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link's option, to replace the non-conforming Software (or defective media) with software that substantially conforms to D-Link's functional specifications for the Software or to refund the portion of the actual purchase price paid that is attributable to the Software. Except as otherwise agreed by D-Link in writing, the replacement Software is provided only to the original licensee, and is subject to the terms and conditions of the license granted by D-Link for the Software. Replacement Software will be warranted for the remainder of the original Warranty Period and is subject to the same limitations and exclusions. If a material non-conformance is incapable of correction, or if D-Link determines in its sole discretion that it is not practical to replace the non-conforming Software, the price paid by the original licensee for the non-conforming Software will be refunded by D-Link; provided that the non-conforming Software (and all copies thereof) is first returned to D-Link. The license granted respecting any Software for which a refund is given automatically terminates.

Non-Applicability of Warranty:

The Limited Warranty provided hereunder for Hardware and Software portions of D-Link's products will not be applied to and does not cover any refurbished product and any product purchased through the inventory clearance or liquidation sale or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product and in that case, the product is being sold "As-Is" without any warranty whatsoever including, without limitation, the Limited Warranty as described herein, notwithstanding anything stated herein to the contrary.

Submitting A Claim (USA):

The customer shall return the product to the original purchase point based on its return policy. In case the return policy period has expired and the product is within warranty, the customer shall submit a claim to D-Link as outlined below:

- The customer must submit with the product as part of the claim a written description of the Hardware defect or Software nonconformance in sufficient detail to allow D-Link to confirm the same, along with proof of purchase of the product (such as a copy of the dated purchase invoice for the product) if the product is not registered.

- The customer must obtain a Case ID Number from D-Link Technical Support at 1-877-354-6555, who will attempt to assist the customer in resolving any suspected defects with the product. If the product is considered defective, the customer must obtain a Return Material Authorization ("RMA") number by completing the RMA form and entering the assigned Case ID Number at https://rma.dlink.com/.

- After an RMA number is issued, the defective product must be packaged securely in the original or other suitable shipping package to ensure that it will not be damaged in transit, and the RMA number must be prominently marked on the outside of the package. Do not include any manuals or accessories in the shipping package. D-Link will only replace the defective portion of the product and will not ship back any accessories.

- The customer is responsible for all in-bound shipping charges to D-Link. No Cash on Delivery ("COD") is allowed. Products sent COD will either be rejected by D-Link or become the property of D-Link. Products shall be fully insured by the customer and shipped to D-Link Systems, Inc., 17595 Mt. Herrmann, Fountain Valley, CA 92708. D-Link will not be held responsible for any packages that are lost in transit to D-Link. The repaired or replaced packages will be shipped to the customer via UPS Ground or any common carrier selected by D-Link. Return shipping charges shall be prepaid by D-Link if you use an address in the United States, otherwise we will ship the product to you freight collect. Expedited shipping is available upon request and provided shipping charges are prepaid by the customer. D-Link may reject or return any product that is not packaged and shipped in strict compliance with the foregoing requirements, or for which an RMA number is not visible from the outside of the package. The product owner agrees to pay D-Link's reasonable handling and return shipping charges for any product that is not packaged and shipped in accordance with the foregoing requirements, or that is determined by D-Link not to be defective or non-conforming.

What Is Not Covered:

The Limited Warranty provided herein by D-Link does not cover:

Products that, in D-Link's judgment, have been subjected to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, repair or service in any way that is not contemplated in the documentation for the product, or if the model or serial number has been altered, tampered with, defaced or removed; Initial installation, installation and removal of the product for repair, and shipping costs; Operational adjustments covered in the operating manual for the product, and normal maintenance; Damage that occurs in shipment, due to act of God, failures due to power surge, and cosmetic damage; Any hardware, software, firmware or other products or services provided by anyone other than D-Link; and Products that have been purchased from inventory clearance or liquidation sales or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product.

While necessary maintenance or repairs on your Product can be performed by any company, we recommend that you use only an Authorized D-Link Service Office. Improper or incorrectly performed maintenance or repair voids this Limited Warranty.

Disclaimer of Other Warranties:

EXCEPT FOR THE LIMITED WARRANTY SPECIFIED HEREIN, THE PRODUCT IS PROVIDED "AS-IS" WITHOUT ANY WARRANTY OF ANY KIND WHATSOEVER INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.

IF ANY IMPLIED WARRANTY CANNOT BE DISCLAIMED IN ANY TERRITORY WHERE A PRODUCT IS SOLD, THE DURATION OF SUCH IMPLIED WARRANTY SHALL BE LIMITED TO THE DURATION OF THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. EXCEPT AS EXPRESSLY COVERED UNDER THE LIMITED WARRANTY PROVIDED HEREIN, THE ENTIRE RISK AS TO THE QUALITY, SELECTION AND PERFORMANCE OF THE PRODUCT IS WITH THE PURCHASER OF THE PRODUCT.

Limitation of Liability:

TO THE MAXIMUM EXTENT PERMITTED BY LAW, D-LINK IS NOT LIABLE UNDER ANY CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE THEORY FOR ANY LOSS OF USE OF THE PRODUCT, INCONVENIENCE OR DAMAGES OF ANY CHARACTER, WHETHER DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF GOODWILL, LOSS OF REVENUE OR PROFIT, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, FAILURE OF OTHER EQUIPMENT OR COMPUTER PROGRAMS TO WHICH D-LINK'S PRODUCT IS CONNECTED WITH, LOSS OF INFORMATION OR DATA CONTAINED IN, STORED ON, OR INTEGRATED WITH ANY PRODUCT RETURNED TO D-LINK FOR WARRANTY SERVICE) RESULTING FROM THE USE OF THE PRODUCT, RELATING TO WARRANTY SERVICE, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY, EVEN IF D-LINK HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE SOLE REMEDY FOR A BREACH OF THE FOREGOING LIMITED WARRANTY IS REPAIR, REPLACEMENT OR REFUND OF THE DEFECTIVE OR NONCONFORMING PRODUCT. THE MAXIMUM LIABILITY OF D-LINK UNDER THIS WARRANTY IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCT COVERED BY THE WARRANTY. THE FOREGOING EXPRESS WRITTEN WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ANY OTHER WARRANTIES OR REMEDIES, EXPRESS, IMPLIED OR STATUTORY.

Governing Law:

This Limited Warranty shall be governed by the laws of the State of California. Some states do not allow exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the foregoing limitations and exclusions may not apply. This Limited Warranty provides specific legal rights and you may also have other rights which vary from state to state.

Trademarks:

D-Link is a registered trademark of D-Link Corporation/D-Link Systems, Inc. Other trademarks or registered trademarks are the property of their respective owners.

Copyright Statement:

No part of this publication or documentation accompanying this product may be reproduced in any form or by any means or used to make any derivative such as translation, transformation, or adaptation without permission from D-Link Corporation/D-Link Systems, Inc., as stipulated by the United States Copyright Act of 1976 and any amendments thereto. Contents are subject to change without prior notice.

FCC Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the 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 communication. 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:

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

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

If this device is going to be operated in 5.15 ~ 5.25GHz frequency range, then it is restricted in indoor environment only.

IMPORTANT NOTICE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

For detailed warranty information applicable to products purchased outside the United States, please contact the corresponding local D-Link office.

Registration

Register your product online at registration.dlink.com

Product registration is entirely voluntary and failure to complete or return this form will not diminish your warranty rights.

Version 1.01
December 05, 2017