



User Manual

Full HD Mini Fixed-Dome Network Camera

DCS-6210

Preface

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 Revisions

Revision	Date	Description
1.0	October 19, 2012	DCS-6210 revision A1 with firmware version 1.00
1.1	September 17, 2013	Updated for revision A2

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.

Copyright © 2013 D-Link Corporation.

All rights reserved. This publication may not be reproduced, in whole or in part, without prior expressed written permission from D-Link Corporation.

Table of Contents

Product Overview.....	4	Event Setup.....	43
Package Contents.....	4	SD Card.....	51
Introduction.....	5	HTTPS.....	52
System Requirements.....	5	Access List.....	53
Features.....	6	Maintenance.....	54
Hardware Overview.....	7	Device Management.....	54
Outside.....	7	System.....	55
Internal.....	8	Firmware Upgrade.....	56
Installing or Removing a microSD Card.....	9	Status.....	57
Camera Installation Wizard.....	10	Device Info.....	57
Manual Hardware Installation.....	17	Logs.....	58
Adjusting the Camera.....	19	Help.....	59
Mounting the Camera.....	20	Technical Specifications.....	60
Configuration.....	22	Safety Statements.....	62
Using the Configuration Interface.....	22	Contacting Technical Support.....	64
Live Video.....	23	Warranty.....	65
Setup.....	25	Registration.....	71
Setup Wizard.....	25		
Network Setup.....	31		
Dynamic DNS.....	34		
Image Setup.....	35		
Audio and Video.....	37		
Preset.....	39		
Motion Detection.....	41		
Time and Date.....	42		

Product Overview

Package Contents



DCS-6210 Full HD Mini Fixed-Dome Network Camera



Power Adapter



CAT5 Ethernet Cable



Quick Install Guide



Installation CD with D-ViewCam™



Mounting Kit with Security Wrench

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.

Introduction

Congratulations on your purchase of the DCS-6210 Full HD Mini Fixed-Dome Network Camera. The DCS-6210 is a versatile and unique solution for your small office or home. Unlike a standard webcam, the DCS-6210 is a complete system with a built-in CPU and web server that transmits high quality video images for security and outdoor surveillance. The DCS-6210 can be accessed remotely, and controlled from any PC/Notebook over your local network or through the Internet via a web browser. The simple installation and intuitive web-based interface offer easy integration with your Ethernet/Fast Ethernet network. The DCS-6210 vandal-proof housing and Power over Ethernet make it an ideal solution for a complete and cost-effective surveillance solution with an easy clutter-free installation. The remote monitoring, infrared, motion detection and event notifications features enable you to be truly responsive to your surveillance deployment.

System Requirements

- Computer with Microsoft Windows® 8, 7, Vista®, or XP (for CD-ROM Setup Wizard), Mac OS® X, or Linux
- PC with 1.3GHz or above; at least 128MB RAM
- Internet Explorer 7 or higher , Firefox 3.5 or higher, Safari 4 and Chrome 8.0 or higher
- Existing 10/100 Ethernet-based network or 802.11n wireless network
- A microSD memory card (not included) is required for recording to on-board storage. SDHC Class 6 or above is recommended.

Features

Simple to Use

The DCS-6210 is a stand-alone system with a built-in CPU, requiring no special hardware or software. The DCS-6210 supports both ActiveX mode, for Internet Explorer, and Java mode, for other browsers such as Firefox® and Safari®.

Supports a Variety of Platforms

Supporting TCP/IP networking, HTTP, and other Internet related protocols. The DCS-6210 can also be integrated easily into other Internet/Intranet applications because of its standards-based features. The DCS-6210 offers Ethernet/Fast Ethernet connectivity, making the DCS-6210 easy to integrate into your existing network environment. The DCS-6210 works with a 10Mbps Ethernet based network or 100Mbps Fast Ethernet based network for traditional wired environments.

Web Configuration

Using a standard Web browser, administrators can configure and manage the Network Camera directly from its own Web page via Intranet or Internet. This means you can access your DCS-6210 anytime, anywhere in the world.

IK10 Vandal-proof & IP68 Weather-proof Housing

The DCS-6210 uses IK10 vandal-proof and IP68 weatherproof housing, allowing you to rest assured that in the toughest of conditions it will continue to provide round-the-clock surveillance at vandal-prone locations such as transportation hubs, schools, or correctional facilities, and in all weathers.

Broad Range of Applications

With today's high-speed Internet services, the Network Camera can provide the ideal solution for delivering live video images over the Intranet and Internet for remote monitoring. The Network Camera allows remote access using a Web browser for live image viewing, and allows the administrator to manage and control the Network Camera anytime, anywhere in the world. Many applications exist, including industrial and public monitoring of homes, offices, banks, hospitals, child-care centers, and amusement parks.

Remote Monitoring Utility

The D-ViewCam application adds enhanced features and functionality for the Network Camera and allows administrators to configure and access the Network Camera from a remote site via Intranet or Internet. Other features include image monitoring, recording images to a hard drive, viewing up to 32 cameras on one screen, and taking snapshots.

PoE (Power over Ethernet) for Flexible Installation

The DCS-6210 can draw all the power it needs from a powered Ethernet port, meaning installation is simple and clutter free.

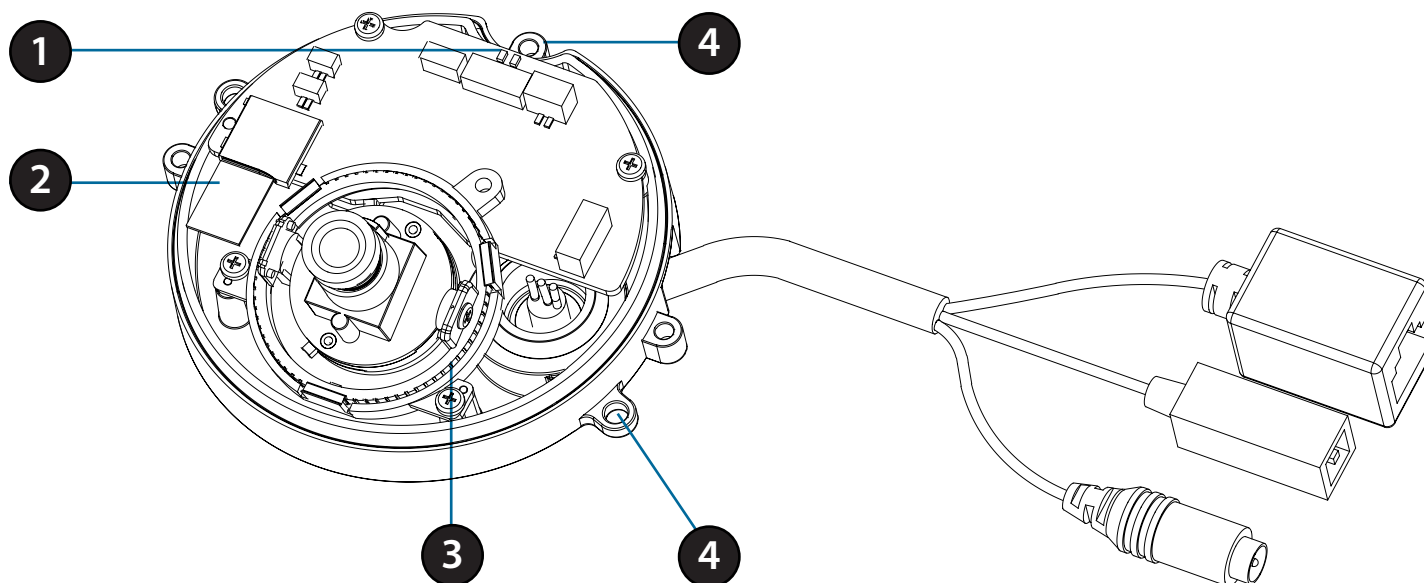
Hardware Overview

Outside



1	Cable Harness	The cable harness retains the individual cables for easier manipulation
2	Ethernet Port	Connects to an Ethernet cable or PoE cable to connect to your network.
3	Reset Button	Press and hold the recessed button for 10 seconds to reset the camera.
4	Power Connector	Power receptor for the provided power adapter.
5	Microphone	Built-in microphone records audio of the surrounding area.
6	Camera Lens	Records video of the surrounding area.
7	Camera Cover	Remove the cover to adjust the camera lens and access the Micro SD card slot.

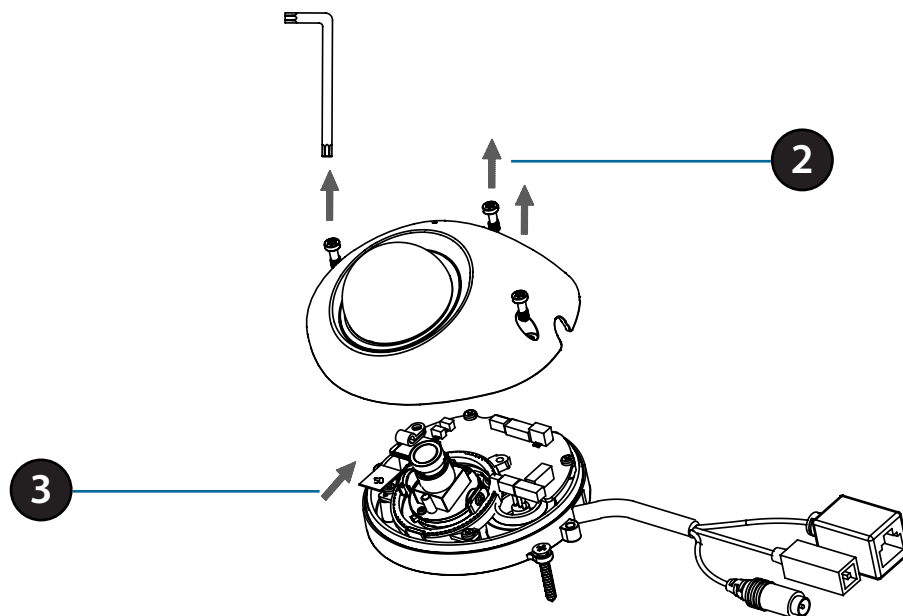
Internal



You can access the inside of the DCS-6210 by loosening the three security screws, then lifting the cover off of the camera.

1	LED	Power and network indicator.
2	microSD Card Slot	Insert a microSD card for storing internal recorded images and video.
3	Adjustable Lens Seat	Adjustable triple ring lens mount.
4	Mounting Screw Hole	Guide to assist correct casing alignment with the cable channel.

Installing or Removing a microSD Card



Step 1:

Open the camera enclosure by loosening the three screws. Lift the dome off the base of the camera.

Step 2:

Push the microSD card into the camera with the gold contacts oriented towards the base of the camera. To eject the microSD card, push the card into the slot.

Step 3:

Replace the dome enclosure ensuring a tight fit.

Note: To ensure that the camera stays weatherproof, users are advised to ensure that the weatherproof sheath is secured firmly in place.

Camera Installation Wizard

Insert the DCS-6210 CD into your computer's CD-ROM drive to begin the installation. If the *Autorun* function on your computer is disabled, or if the D-Link Launcher fails to start automatically, click **Start** > **Run**. Type **D:\autorun.exe**, where **D:** represents the drive letter of your CD-ROM drive.

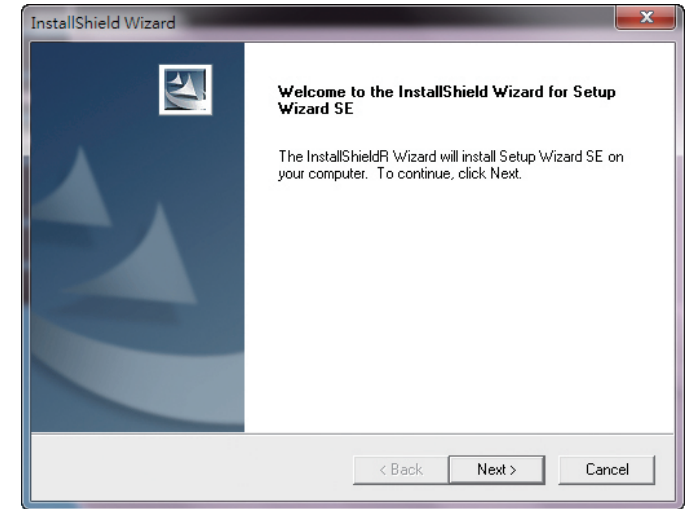
The CD-ROM will open the Camera Installation Wizard. Simply click **Setup Wizard** to go through the Installation Wizard, which will guide you through the installation process from connecting your hardware to configuring your camera.



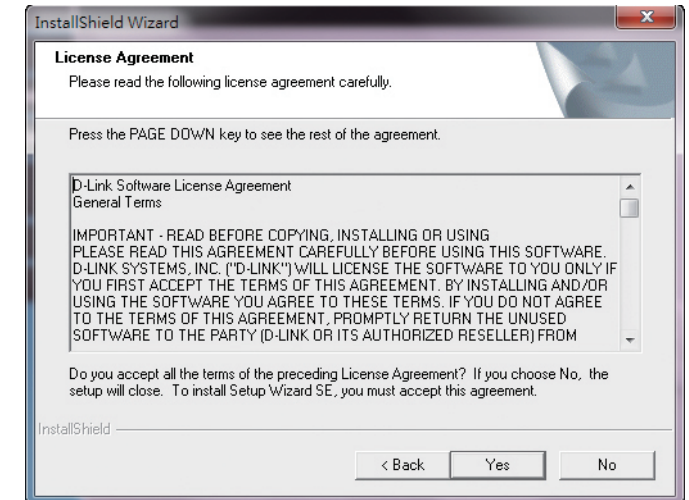
Section 2: Installation

After clicking **Setup Wizard**, the following window will open.

Click **Next** to continue.



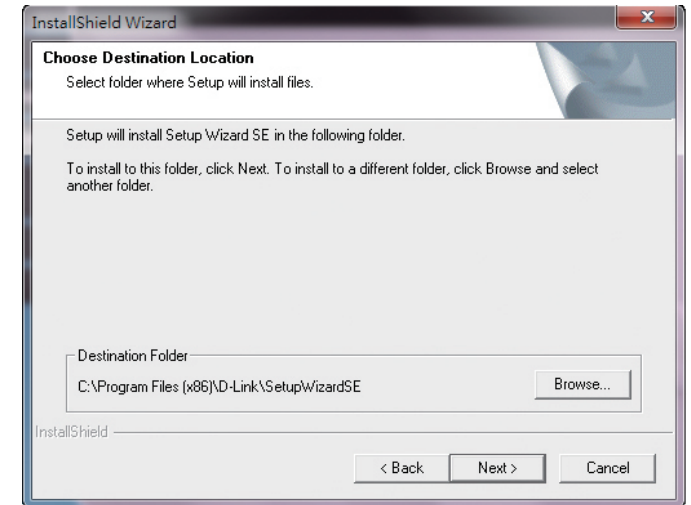
Click **Yes** to accept the License Agreement.



Section 2: Installation

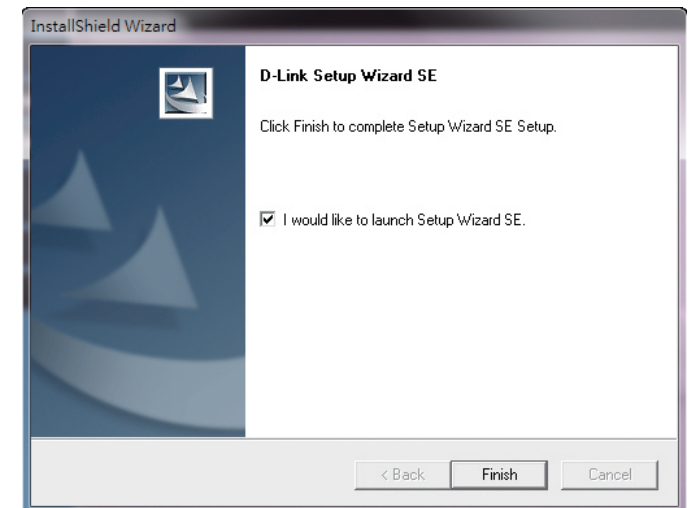
To start the installation process, click **Next**.

Note: *The installation may take several minutes to finish.*



Click **Finish** to complete the installation.

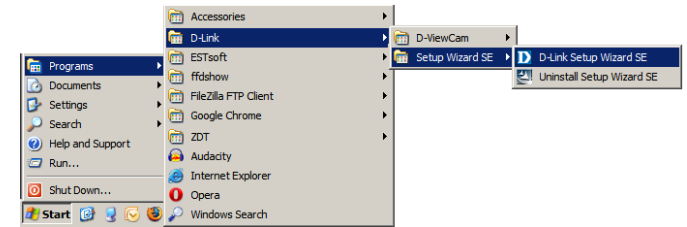
If the box is checked on this page, the **D-Link Setup Wizard SE** will automatically launch when you click **Finish**.



Section 2: Installation

If the *Setup Wizard* does not open automatically, click on the **D-Link Setup Wizard SE** icon that was created in your Windows Start menu.

Start > D-Link > Setup Wizard SE



The *Setup Wizard* will appear and display the MAC (Media Access Control) address and IP address of your camera(s). If you have a DHCP server on your network, a valid IP address will be displayed. If your network does not use a DHCP server, the network camera's default static IP, **192.168.0.20**, will be displayed.

Click the **Wizard** button to continue.



Section 2: Installation

Enter the Admin ID and password. When logging in for the first time, the default Admin ID is **admin** with the password left blank.

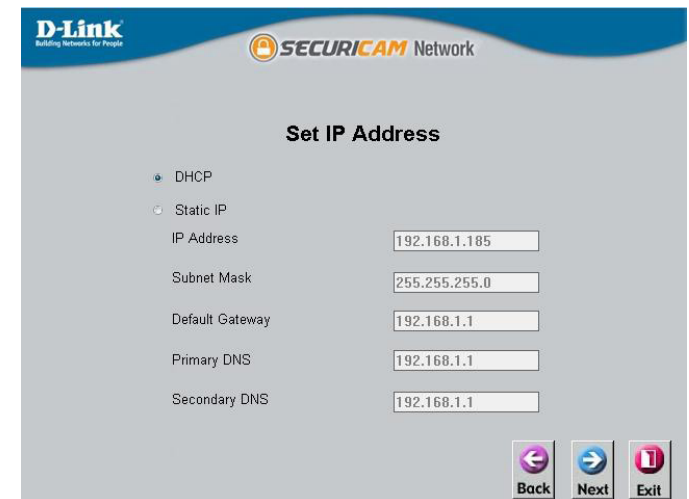
Click **Next** to proceed to the next page.



The screenshot shows the 'Set up an Admin ID and Password to secure your camera' screen. It features a header with the D-Link logo and 'SECURICAM Network'. The main heading is 'Set up an Admin ID and Password to secure your camera. Click Next to continue.' Below this, there are two columns of input fields. The first column has 'Admin ID' and 'Password' fields. The second column has 'New ID', 'New Password', and 'Reconfirm' fields. Each of these second-column fields has a 'Change' checkbox to its left. At the bottom right, there are three buttons: 'Back' (left arrow), 'Next' (right arrow), and 'Exit' (stop sign).

Select **DHCP** if your camera obtains an IP address automatically when it boots up. Select **Static IP** if the camera will use the same IP address each time it is started.

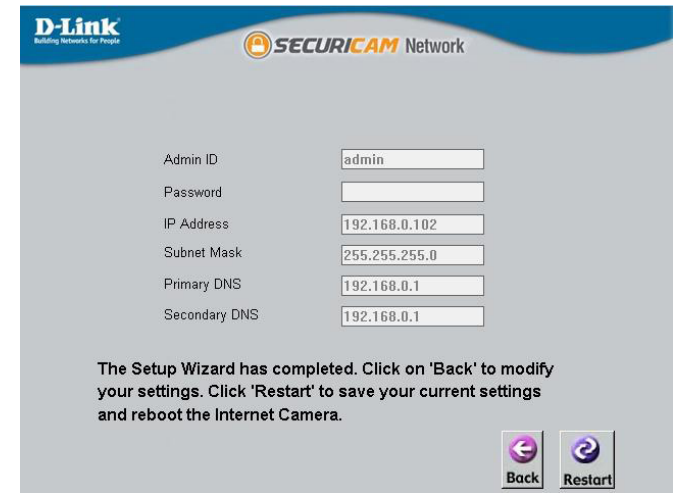
Click **Next** to proceed to the next page.



The screenshot shows the 'Set IP Address' screen. It features a header with the D-Link logo and 'SECURICAM Network'. The main heading is 'Set IP Address'. Below this, there are two radio buttons: 'DHCP' (selected) and 'Static IP'. Under 'Static IP', there are five input fields: 'IP Address' (192.168.1.185), 'Subnet Mask' (255.255.255.0), 'Default Gateway' (192.168.1.1), 'Primary DNS' (192.168.1.1), and 'Secondary DNS' (192.168.1.1). At the bottom right, there are three buttons: 'Back' (left arrow), 'Next' (right arrow), and 'Exit' (stop sign).

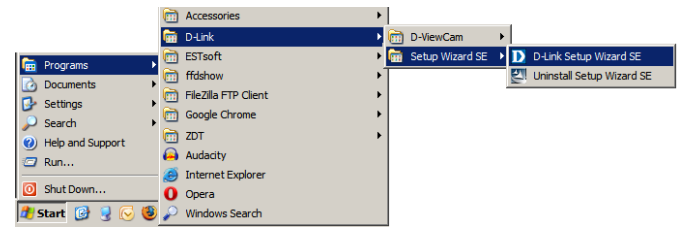
Section 2: Installation

Take a moment to confirm your settings and click **Restart**. This will automatically reboot your Network Camera.



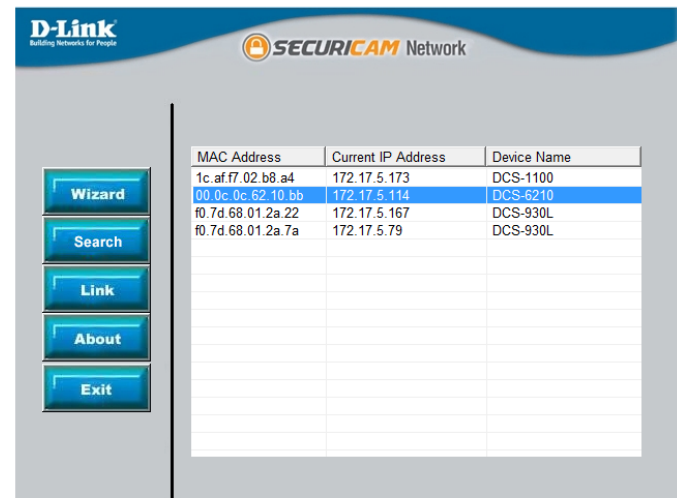
Click on the **D-Link Setup Wizard SE** icon that was created in your Windows Start menu.

Start > D-Link > Setup Wizard SE



Select the camera and click the **Link** button to access the web configuration.

The Setup Wizard will automatically open your web browser to the IP address of the camera.

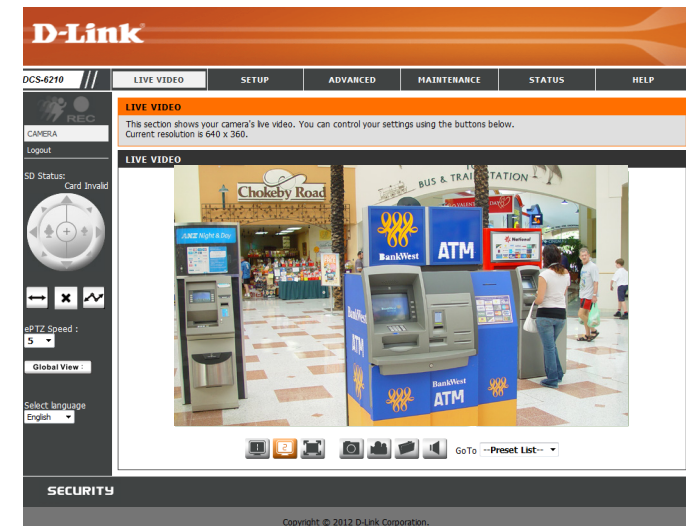


Section 2: Installation

Enter **admin** as the default user name and leave the password blank. Click **OK** to continue.



This section shows your camera's live video. You can select your video profile and view or operate the camera. For additional information about web configuration refer to the *Configuration* section on page 22.



Manual Hardware Installation

If you wish to set up your camera without using the Camera Setup Wizard, please follow these steps.

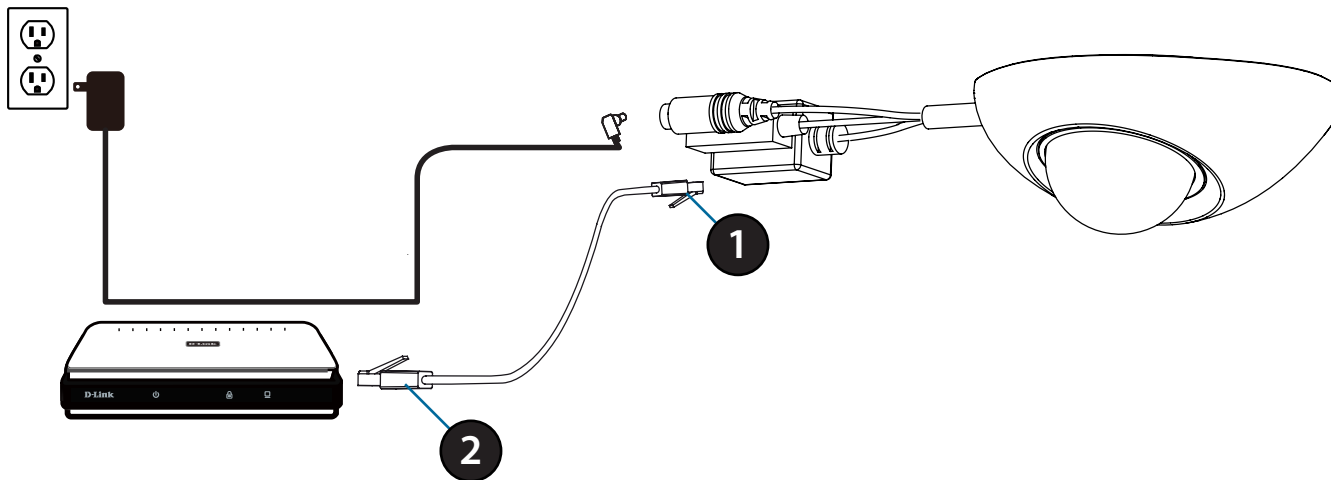
General connection with 12V DC Power Adaptor

Step 1

Connect the provided Ethernet cable to the Ethernet port on the cable harness.

Step 2

Connect the other end of the Ethernet cable to your network.



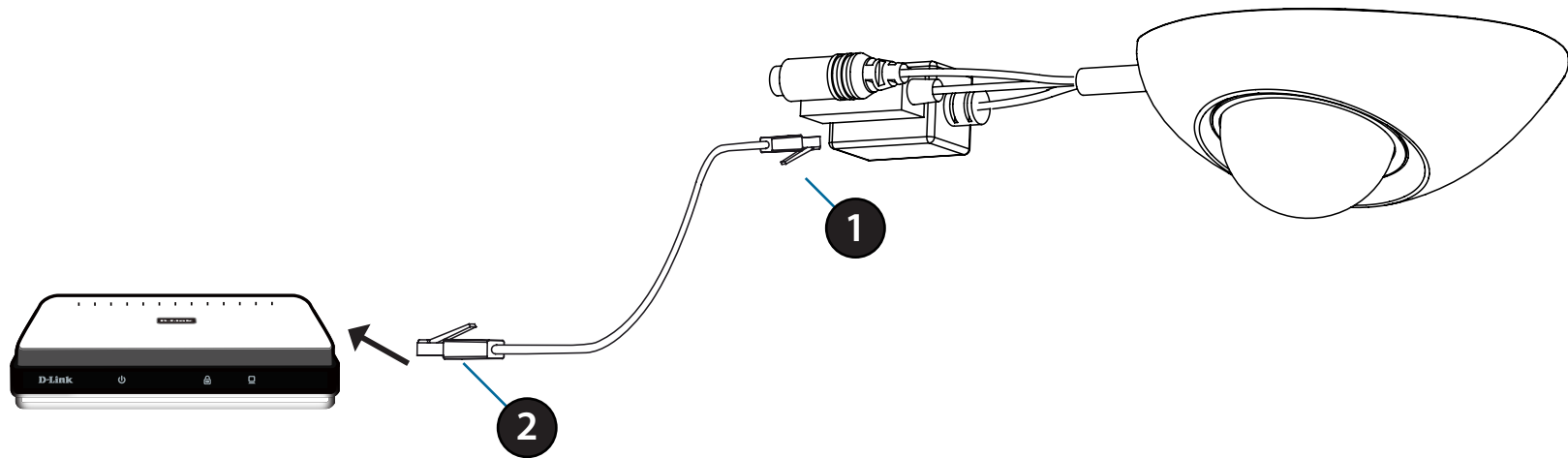
Connection using PoE

Step 1

If you are using a PoE switch, connect the IP camera to the switch via an Ethernet cable, which will provide transmission of both power and data over a single cable.

Step 2

Connect the other end of the Ethernet cable your network..



Adjusting the Camera

The DCS-6210 can be focused by adjusting the lens.

Step 1

Remove the cover by following the steps outlined in the *Installing or Removing a microSD Card* section on page 9.

Step 2

Adjust the viewing angle of the 3-axis mechanism by turning the lens module left and right until the desired position is achieved.

Step 3

Turn the lens up and down until the desired position is achieved.

Step 4

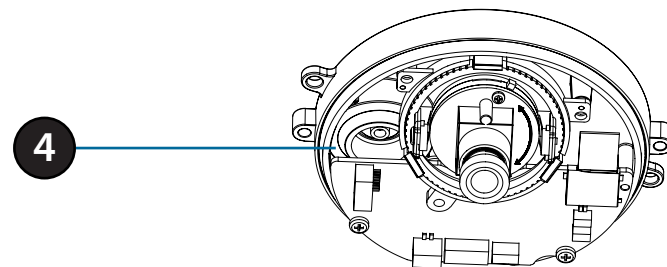
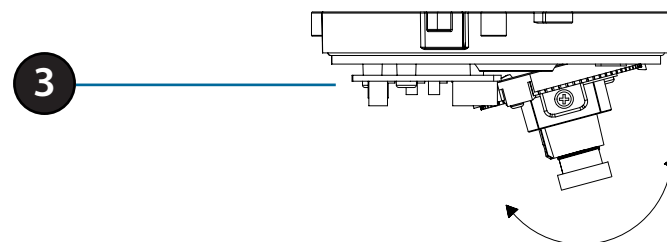
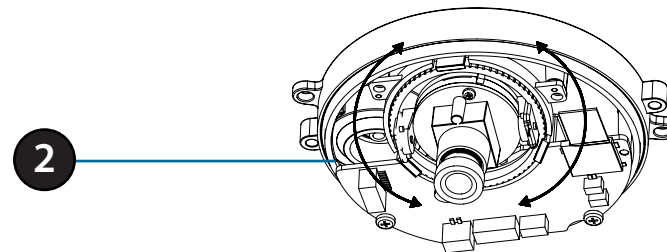
Turn the lens to adjust the IP camera's image until the desired orientation is achieved.

Step 5

Seat the cover and fasten the three security screws.

Step 6

Insert the weatherproof rubber screw coverings over the screws, ensuring a tight seal.



Mounting the Camera

The DCS-6210 is suitable for mounting to a ceiling or wall.

Step 1

Position the alignment sticker in the desired location for the camera.

Step 2

Use a 6mm drill bit to make required holes approximately 25mm deep.

Step 3

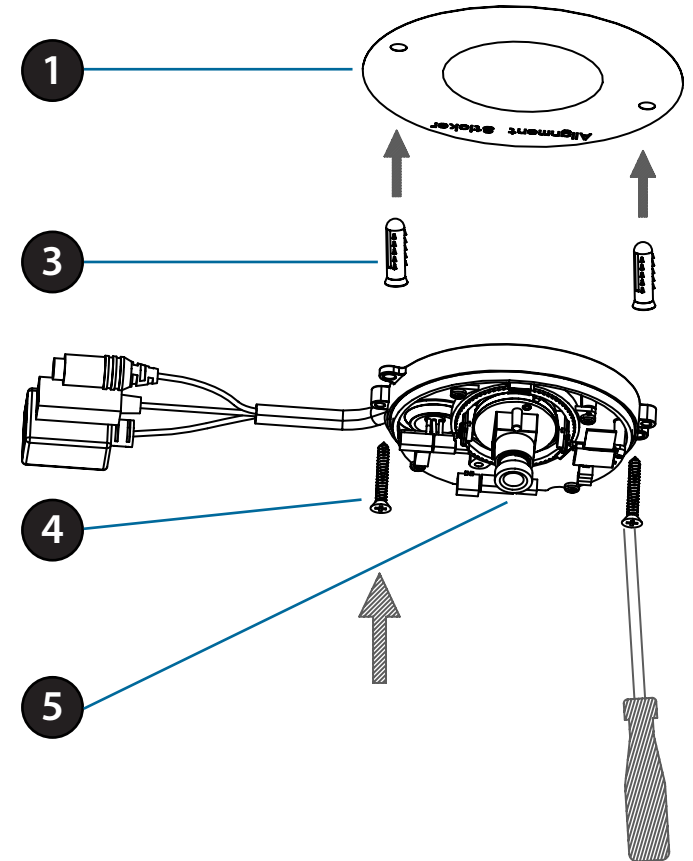
Insert wall anchors.

Step 4

Mount the DCS-6210 base using the screws provided.

Step 5

Adjust the lens. For detailed instructions on adjusting the lens see *Adjusting the Camera* on page 19.

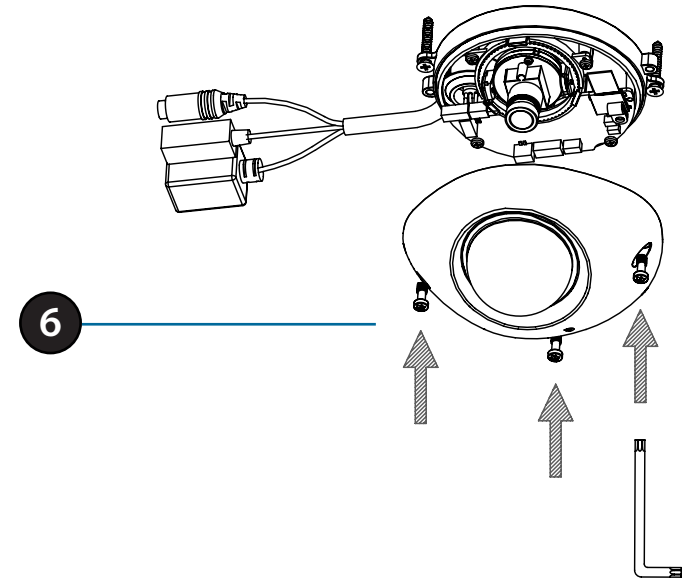


Step 6

Attach the DCS-6210 dome using the screws provided.

Step 7

Insert the weatherproof rubber screw coverings over the screws ensuring a tight seal.



Configuration

Using the Configuration Interface

After completing the Camera Installation Wizard you are ready to use your camera. The camera's built-in Web configuration utility is designed to allow you to easily access and configure your DCS-6210. At the end of the wizard, click **Go To Camera**, or enter the IP address of your camera into a web browser such as Firefox. To log in, use the user name **admin** and the password you created in the Installation Wizard. If you did not create a password, the default password is blank. After entering your password, click **OK**.









Live Video

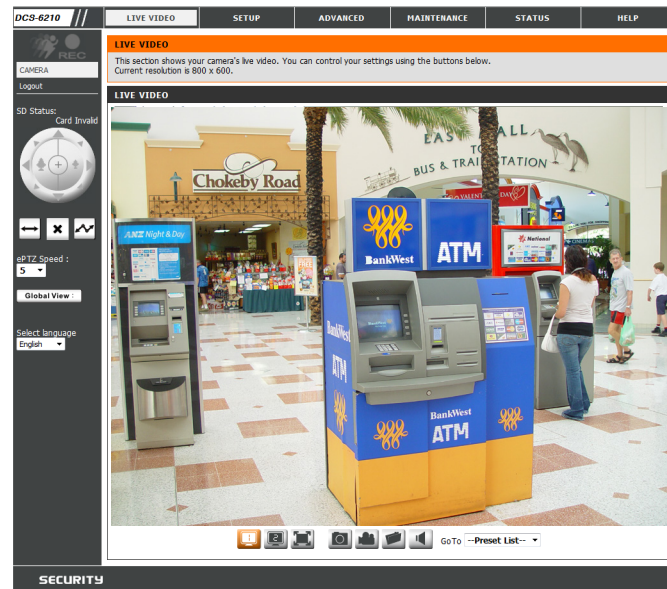
This section shows your camera's live video. You may select any of the available icons listed below to operate the camera. You may also select your language using the drop-down menu on the left side of the screen.

You can zoom in and out on the live video image using your mouse. Right-click to zoom out or left-click to zoom in on the image.

SD Status: This option displays the status of the SD card. If no SD card has been inserted, this screen will display the message "Card Invalid."

	Motion Trigger Indicator	This indicator will change color when a trigger event occurs. <i>Note: The video motion feature for your camera must be enabled.</i>
	Recording Indicator	This indicator will change color when a recording is in progress.
	Control Pad	This control pad can be used to electronically pan, tilt and zoom (ePTZ) within the camera's predefined view area, if one has been defined.
	Auto Pan	Starts the automatic panning function. The ROI (Region of Interest) will pan back and forth within the FOV (Field of View.)
	Stop	Stops the camera ePTZ motion.
	Preset Path	Starts the camera's motion along the predefined path.









ePTZ Speed: You may select a value between 0 and 64. 0 is the slowest and 64 is the fastest.



Section 4: Configuration

Global View: This window indicates the total field of view (FOV) of the camera. The red box indicates the visible region of interest (ROI).

Language: You may select the interface language using this menu.

- | | |
|--|--|
|  Video Profile 1 |  Take a Snapshot |
|  Video Profile 2 |  Record a Video Clip |
|  Video Profile 3 |  Set a Storage Folder |
|  Full screen mode |  Listen/Stop Audio In (from microphone) |

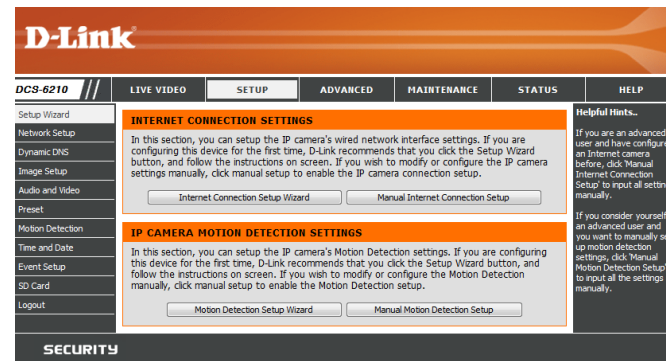
Go To: If any presets have been defined, selecting a preset from this list will (**Preset List**) display it.



Setup Setup Wizard

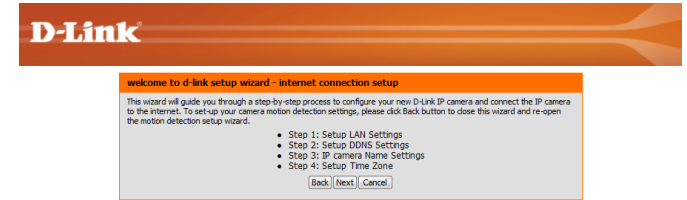
To configure your Network Camera, click **Internet Connection Setup Wizard**. Alternatively, you may click **Manual Internet Connection Setup** to manually configure your Network Camera and skip to *Network Setup* on page 31.

To quickly configure your Network Camera's motion detection settings, click **Motion Detection Setup Wizard**. If you want to enter your settings without running the wizard, click **Manual Motion Detection Setup** and skip to *Motion Detection* on page 41.



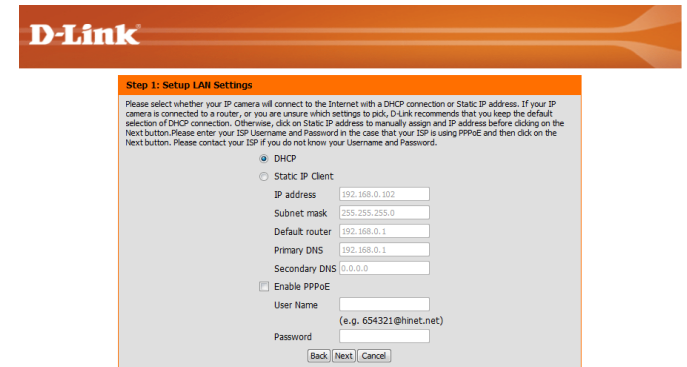
Internet Connection Setup Wizard

This wizard will guide you through a step-by-step process to configure your new D-Link Camera and connect the camera to the internet. Click **Next** to continue.



Note: Select *DHCP* if you are unsure of which settings to choose.

Click **Next** to continue.



Section 4: Configuration

Select **Static IP** if your Internet Service Provider has provided you with connection settings or if you wish to set a static address within your home network. Enter the correct configuration information and click **Next** to continue.

If you are using PPPoE, select **Enable PPPoE** and enter your user name and password, otherwise click **Next** to continue.

If you have a Dynamic DNS account and would like the camera to update your IP address automatically, select **Enable DDNS** and enter your host information. Click **Next** to continue.

Enter a name for your camera and click **Next** to continue.

D-Link

Step 1: Setup LAN Settings

Please select whether your IP camera will connect to the Internet with a DHCP connection or Static IP address. If your IP camera is connected to a router, or you are unsure which settings to pick, D-Link recommends that you keep the default selection of DHCP connection. Otherwise, click on Static IP address to manually assign and IP address before clicking on the Next button. Please enter your ISP Username and Password in the case that your ISP is using PPPoE and then click on the Next button. Please contact your ISP if you do not know your Username and Password.

DHCP
 Static IP Client

IP address
Subnet mask
Default router
Primary DNS
Secondary DNS

Enable PPPoE
User Name
Password

D-Link

Step 2: Setup DDNS Settings

If you have a Dynamic DNS account and would like the IP camera to update your IP address automatically, enable DDNS and enter in your host information below. Please click on the Next button to continue.

Enable DDNS

Server Address <<

Host Name
User Name
Password
Verify Password
Timeout (hours)

D-Link

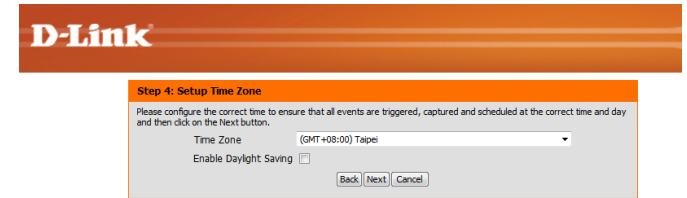
Step 3: IP camera Name Settings

D-Link recommends that you rename your IP camera for easy accessibility. You can then identify and connect to your IP camera via this name. Please assign a name of your choice before clicking on the Next button.

IP camera Name

Section 4: Configuration

Configure the correct time to ensure that all events will be triggered as scheduled. Click **Next** to continue.



D-Link

Step 4: Setup Time Zone

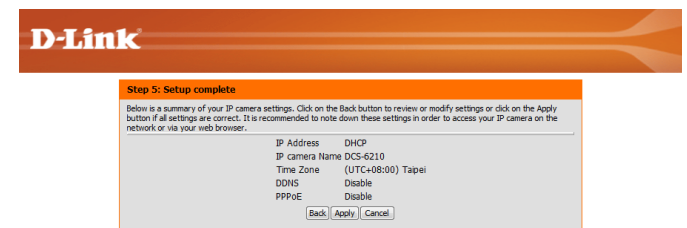
Please configure the correct time to ensure that all events are triggered, captured and scheduled at the correct time and day and then click on the Next button.

Time Zone: (GMT+08:00) Taipei

Enable Daylight Saving:

Back | Next | Cancel

Confirm the settings are correct and click **Apply** to save them.



D-Link

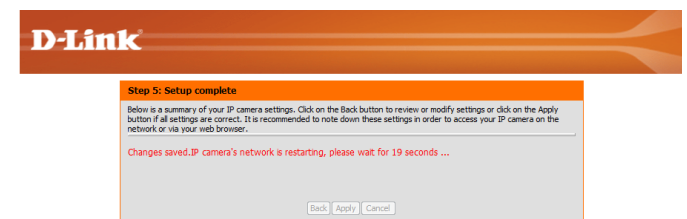
Step 5: Setup complete

Below is a summary of your IP camera settings. Click on the Back button to review or modify settings or click on the Apply button if all settings are correct. It is recommended to note down these settings in order to access your IP camera on the network or via your web browser.

IP Address	DHCP
IP camera Name	DCS-6210
Time Zone	(UTC+08:00) Taipei
DDNS	Disable
PPPoE	Disable

Back | Apply | Cancel

The settings will be saved to the DCS-6210 and the camera will restart.



D-Link

Step 5: Setup complete

Below is a summary of your IP camera settings. Click on the Back button to review or modify settings or click on the Apply button if all settings are correct. It is recommended to note down these settings in order to access your IP camera on the network or via your web browser.

Changes saved. IP camera's network is restarting, please wait for 19 seconds ...

Back | Apply | Cancel

Motion Detection Setup Wizard

This wizard will guide you through a step-by-step process to configure your camera's motion detection functions.

Click **Next** to continue.

Step 1

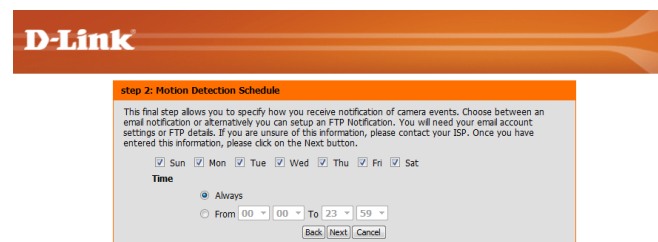
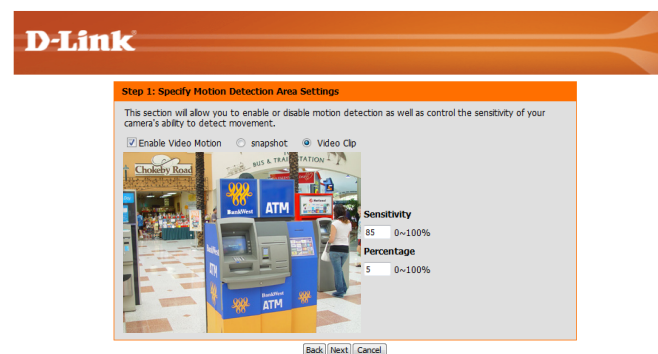
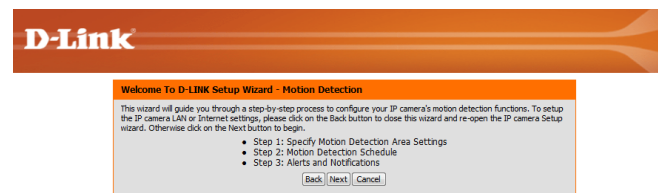
This step will allow you to enable or disable motion detection, specify the detection sensitivity, and adjust the camera's ability to detect movement.

You may specify whether the camera should capture a snapshot or a video clip when motion is detected.

Please see the *Motion Detection* section on page 41 for information about how to configure motion detection.

Step 2

This step allows you to enable motion detection based on a customized schedule. Specify the day and hours. You may also choose to **Always** record whenever motion is detected.



Step 3

This step allows you to specify how you will receive event notifications from your camera. You may choose not to receive notifications or to receive notifications via e-mail or FTP.

Please enter the relevant information for your e-mail or FTP account.

Click **Next** to continue.

The screenshot shows the 'Step 3: Alerts and Notification' configuration screen. It features a D-Link logo at the top. Below the title, there is a paragraph of instructions: 'This final step allows you to specify how you receive notification of camera events. Choose between an email notification or alternatively you can setup an FTP Notification. You will need your email account settings or FTP details. If you are unsure of this information, please contact your ISP. Once you have entered this information, please click on the Next button.' There are two radio button options: 'Do not notify me' (unselected) and 'Email' (selected). Under the 'Email' option, there are input fields for 'Sender email address', 'Recipient email address', 'Server address', 'User name', 'Password', and 'Port' (with '25' entered). Under the 'FTP' option, there are input fields for 'Server address', 'Port' (with '21' entered), 'User name', 'Password', and 'Remote folder name'. At the bottom right, there are 'Back', 'Next', and 'Cancel' buttons.

Step 4

You have completed the *Motion Detection Wizard*.

Please verify your settings and click **Apply** to save them.

The screenshot shows the 'Step 4: Setup Complete' configuration screen. It features a D-Link logo at the top. Below the title, there is a paragraph of instructions: 'You have completed your IP camera setup. Please click the Back button if you want to review or modify your settings or click on the Apply button to save and apply your settings.' Below this, the following settings are displayed: 'Motion Detection : Enable', 'EVENT : Video Clip', 'Schedule Day : Sun , Mon , Tue , Wed , Thu , Fri , Sat ,', 'Schedule Time : Always', and 'Alerts and Notification : Email'. At the bottom right, there are 'Back', 'Apply', and 'Cancel' buttons.

Please wait a few moments while the camera saves your settings and restarts.

The screenshot shows the 'Step 4: Setup Complete' configuration screen, identical to the previous one, but with a red message displayed: 'Changes saved. IP camera's network is restarting, please wait for 6 seconds ...'. At the bottom right, there are 'Back', 'Apply', and 'Cancel' buttons.

Network Setup

Use this section to configure the network connections for your camera. All relevant information must be entered accurately. After making any changes, click the **Save Settings** button to save your changes.

LAN Settings: This section lets you configure settings for your local area network.

DHCP: Select this connection if you have a DHCP server running on your network and would like your camera to obtain an IP address automatically.

If you choose DHCP, you do not need to fill out the IP address settings.

Static IP Client: You may obtain a static or fixed IP address and other network information from your network administrator for your camera. A static IP address may simplify access to your camera in the future.

IP Address: Enter the fixed IP address in this field.

Subnet Mask: This number is used to determine if the destination is in the same subnet. The default value is 255.255.255.0.

Default Router: Enter the IP address of your gateway or router.

Primary DNS: The primary DNS (Domain Name Server) translates names to IP addresses.

Secondary DNS: The secondary DNS acts as a backup to the primary DNS.

Enable UPnP Presentation: Enabling this setting allows your camera to be configured as a UPnP device on your network.

Helpful Hints.

Select DHCP Connection if you are running a DHCP server on your network and would like an IP address assigned to your IP camera automatically.

UPnP: Enabling UPnP settings will allow you to configure your IP camera as an UPnP device in the network.

PPPoE Setting: If you use the IP camera to connect directly to the Internet, you will need to enter the username and password which were given to you when you set up your account with your Internet Service Provider. If the camera is behind a router or a gateway, you do not need to configure this setting.

HTTP: HTTP Port is the port you allocate in order to connect to the IP camera via a standard web browser.

HTTPS: HTTPS Port in a IP camera connects it with a PC via a secure web browser.

RTSP: RTSP Port is the port you allocate in order to connect to a IP camera by using streaming mobile device(s), such as a mobile phone or PDA.

CoS (Class of Service): Coarsely-grained traffic control based on the L2 protocol. Class of Service technologies do not guarantee a level of service in terms of bandwidth and delivery time, they offer a "best-effort".

QoS (Quality of Service): Finely-grained traffic control, a resource reservation control mechanism. Quality of service guarantees are important if the network capacity is insufficient, especially for real-time streaming multimedia applications.

Enable IPv6: Select this option and click Save to enable IPv6 setting. Please note that this only works if your network environment and hardware equipment support IPv6. The browser should be Microsoft @ Internet Explorer 6.5, Mozilla Firefox 3.0 or above.

Enable UPnP Port Forwarding: Enabling this setting allows the camera to add port forwarding entries into the router automatically on a UPnP capable network.

Enable PPPoE: Enable this setting if your network uses PPPoE.

User Name / Password: Enter the user name and password for your PPPoE account. Re-enter your password in the *Confirm Password* field. You may obtain this information from your ISP.

HTTP Port: The default port number is 80.

Access Name for Stream 1~3: The default name is video#.mjpg, where # is the number of the stream.

HTTPS Port: You may use a PC with a secure browser to connect to the HTTPS port of the camera. The default port number is 443.

RTSP Port: The port number that you use for RTSP streaming to mobile devices, such as mobile phones or PDAs. The default port number is 554. You may specify the address of a particular stream. For instance, live1.sdp can be accessed at rtsp://x.x.x.x/video1.sdp where the x.x.x.x represents the IP address of your camera.

Enable CoS: Enabling the **Class of Service** setting implements a best-effort policy without making any bandwidth reservations.

The screenshot displays the configuration web interface for the camera, organized into several sections:

- PPPOE SETTINGS:** Includes radio buttons for 'Enable' and 'Disable' (selected), and input fields for 'User Name', 'Password', and 'Confirm password'. The status shows 'PPPoE is inactive'.
- HTTP:** Features an 'HTTP port' dropdown set to '80' and two 'Access name for stream' fields with values 'video1.mjpg' and 'video2.mjpg'.
- HTTPS:** Has an 'HTTPS port' dropdown set to '443'.
- RTSP:** Includes an 'Authentication' dropdown set to 'Disable', an 'RTSP port' dropdown set to '554', and two 'Access name for stream' fields with values 'live1.sdp' and 'live2.sdp'.
- CoS SETTINGS:** Has an 'Enable CoS' checkbox checked. It lists 'VLAN ID' as '1' (with a range of [0~4095]), and 'Live video', 'Live audio', 'Event/Alarm', and 'Management' are all set to '0'.
- QoS SETTINGS:** Has an 'Enable QoS' checkbox checked. It lists 'Live video', 'Live audio', 'Event/Alarm', and 'Management' are all set to '0'.
- IPv6:** Has an 'Enable IPv6' checkbox checked. It includes an 'IPv6 Information' button and a 'Manually setup the IP address' checkbox. Below are input fields for 'Optional IP address / Prefix length', 'Optional default router', and 'Optional primary DNS'.
- MULTICAST:** Contains two sections for 'Enable multicast for stream 1' and 'stream 2'. Each section lists 'Multicast group address', 'Multicast video port', 'Multicast RTP video port', 'Multicast audio port', 'Multicast RTCP audio port', and 'Multicast TTL [1~255]' with corresponding input fields.

On the right side of the interface, there are several informational text blocks:

- HTTP:** HTTP Port is the port you allocate in order to connect to the IP camera via a standard web browser.
- HTTPS:** HTTPS Port is a IP camera connects it with a PC via a secure web browser.
- RTSP:** RTSP Port is the port you allocate in order to connect to a IP camera by using streaming mobile devices, such as a mobile phone or PDA.
- CoS (Class of Service):** Coarsely-grained traffic control based on the IP protocol. Class of Service technologies do not guarantee a level of service in terms of bandwidth and delivery time, they offer a "best-effort".
- QoS (Quality of Service):** Finely-grained traffic control, a resource reservation control mechanism. Quality of service guarantees are important if the network capacity is insufficient, especially for real-time streaming multimedia applications.
- Enable IPv6:** Select this option and click Save to enable IPv6 setting. Please note that this only works if your network environment and hardware equipment support IPv6. The browser should be Microsoft @ Internet Explorer 6.5, Mozilla Firefox 3.0 or above. When IPv6 is enabled, by default, the network camera will listen to router advertisements and be assigned a link-local IPv6 address accordingly.
- IPv6 Information:** Click this button to obtain the IPv6 information. If your IPv6 setting are successful, the IPv6 address list will be listed in the pop-up window. Please follow the steps below to link to an IPv6 address:
 - 1) Open your web browser.
 - 2) Enter the link-global or link-local IPv6 address in the address bar of your web browser.
 - 3) Press Enter on the keyboard or click Refresh button to refresh the webpage.
- Manually setup the IP address:** Select this option to manually configure IPv6 setting if your network environment does not have DHCPv6 server and advertisements-enabled routers.
- Multicast:** Click the items to display the detailed configuration information. Select the Always multicast option to enable multicast for stream 1 ~ 3. Unicast video transmission delivers a stream through point-to-point transmission, multicast, on the other hand, sends a stream to the multicast group address and allows multiple clients to acquire

Enable QoS: Enabling QoS allows you to specify a traffic priority policy to ensure a consistent **Quality of Service** during busy periods. If the Network Camera is connected to a router that itself implements QoS, the router's settings will override the QoS settings of the camera.

Enable IPv6: Enable the **IPv6** setting to use the IPv6 protocol. Enabling the option allows you to manually set up the address, specify an optional IP address, specify an optional router and an optional primary DNS.

Enable multicast for stream: The DCS-6210 allows you to multicast each of the available streams via group address and specify the TTL value for each stream. Enter the port and TTL settings you wish to use if you do not want to use the defaults.

The screenshot displays the configuration web interface for the DCS-6210 camera, organized into several sections:

- PPPOE SETTINGS:** Includes radio buttons for 'Enable' and 'Disable' (selected), and input fields for 'User Name', 'Password', and 'Confirm password'. The status shows 'PPPoE is inactive'.
- HTTP:** Features a 'HTTP port' dropdown set to '80' and two 'Access name' fields for 'stream1' (video1.mjpg) and 'stream2' (video2.mjpg).
- HTTPS:** Includes an 'HTTPS port' dropdown set to '443'.
- RTSP:** Has an 'Authentication' dropdown set to 'Disable', an 'RTSP port' dropdown set to '554', and two 'Access name' fields for 'stream1' (live1.sdp) and 'stream2' (live2.sdp).
- CoS SETTINGS:** Contains an 'Enable CoS' checkbox and five dropdown menus for 'VLAN ID' (1), 'Live video' (0), 'Live audio' (0), 'Event/Alarm' (0), and 'Management' (0).
- QoS SETTINGS:** Contains an 'Enable QoS' checkbox and five dropdown menus for 'Live video' (0), 'Live audio' (0), 'Event/Alarm' (0), and 'Management' (0).
- IPv6:** Includes an 'Enable IPv6' checkbox, an 'IPv6 Information' button, and a 'Manually setup the IP address' checkbox. Below are input fields for 'Optional IP address / Prefix length' (with a '64' suffix), 'Optional default router', and 'Optional primary DNS'.
- MULTICAST:** Features two sections for 'stream 1' and 'stream 2'. Each section has an 'Enable multicast' checkbox and input fields for 'Multicast group address', 'Multicast video port', 'Multicast RTP video port', 'Multicast audio port', 'Multicast RTP audio port', and 'Multicast TTL [1~255]'.

At the bottom, there are 'Save Settings' and 'Don't Save Settings' buttons.

HTTP: HTTP Port is the port you allocate in order to connect to the IP camera via a standard web browser.

HTTPS: HTTPS Port is a IP camera connects it with a PC via a secure web browser.

RTSP: RTSP Port is the port you allocate in order to connect to a IP camera by using streaming mobile devices(such as a mobile phone or PDA).

CoS (Class of Service): Coarsely-grained traffic control based on the IP protocol. Class of Service technologies do not guarantee a level of service in terms of bandwidth and delivery time, they offer a "best-effort".

QoS (Quality of Service): Finely-grained traffic control, a resource-reservation control mechanism. Quality of service guarantees are important if the network capacity is insufficient, especially for real-time streaming multimedia applications.

Enable IPv6: Select this option and click Save to enable IPv6 setting. Please note that this only works if your network environment and hardware equipment support IPv6. The browser should be Microsoft @ Internet Explorer 6.5, Mozilla Firefox 3.0 or above. When IPv6 is enabled, by default, the Network Camera will listen to router advertisements and be assigned a link-local IPv6 address accordingly.

IPv6 Information: Click this button to obtain the IPv6 information. If your IPv6 setting are successful, the IPv6 address list will be listed in the pop-up window. Please follow the steps below to link to an IPv6 address:
 1) Open your web browser.
 2) Enter the link-global or link-local IPv6 address in the address bar of your web browser.
 3) Press Enter on the keyboard or click Refresh button to refresh the webpage.

Manually setup the IP address: Select this option to manually configure IPv6 setting if your network environment does not have DHCPv6 server and advertisements-enabled routers.

Multicast: Click the items to display the detailed configuration information. Select the Always multicast option to enable multicast for stream 1 ~ 3. Unicast video transmission delivers a stream through point-to-point transmission. Multicast, on the other hand, sends a stream to the multicast group address and allows multiple clients to acquire the stream at the same time by requesting a copy from the multicast group address. Therefore,

Dynamic DNS

DDNS (Dynamic Domain Name Server) will hold a DNS host name and synchronize the public IP address of the modem when it has been modified. A user name and password are required when using the DDNS service. After making any changes, click the **Save Settings** button to save your changes.

Enable DDNS: Check this box to enable the *DDNS* function.

Server Address: Select your Dynamic DNS provider from the pull down menu or enter the server address manually.

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

User Name: Enter the user name or e-mail used to connect to your DDNS account.

Password: Enter the password used to connect to your DDNS server account.

Timeout: Enter the DNS timeout values you wish to use.

Status: Indicates the connection status, which is automatically determined by the system.

The screenshot shows the D-Link DCS-6210 web interface. The top navigation bar includes 'LIVE VIDEO', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various setup options like 'Setup Wizard', 'Network Setup', 'Dynamic DNS', 'Image Setup', 'Audio and Video', 'Preset', 'Motion Detection', 'Time and Date', 'Event Setup', 'SD Card', and 'Logout'. The main content area is titled 'DYNAMIC DNS' and contains the following configuration options:

- Enable DDNS:** A checkbox that is currently unchecked.
- Server Address:** A dropdown menu with 'www.dlinkddns.com' selected.
- Host Name:** An empty text input field.
- User Name:** An empty text input field.
- Password:** An empty text input field.
- Verify Password:** An empty text input field.
- Timeout:** A text input field containing '24' followed by '(hours)'.
- Status:** A dropdown menu showing 'Inactive'.

At the bottom of the configuration area, there are two buttons: 'Save Settings' and 'Don't Save Settings'. A 'Helpful Hints...' sidebar on the right provides additional information about the Dynamic DNS feature.

Image Setup

This section allows you to configure the video image settings for your camera. A preview of the image will be shown in *Live Video*.

Enable Privacy Mask: The **Privacy Mask** setting allows you to specify up to three rectangular areas on the camera's image to be blocked/excluded from recordings and snapshots.

You may click and drag the mouse cursor over the camera image to draw a mask area. Right clicking on the camera image brings up the following menu options:

Disable All: Disables all mask areas.

Enable All: Enables all mask areas.

Reset All: Clears all mask areas.

Anti Flicker: If the video flickers, try enabling this setting.

Mirror: This will mirror the image horizontally.

Flip: This will flip the image vertically. When turning **Flip** on, you may want to consider turning **Mirror** on as well.

Power Line: Select the frequency used by your power lines to avoid interference or distortion.

White Balance: Use the drop-down box to change white balance settings to help balance colors for different environments. You can choose from **Auto**, **Outdoor**, **Indoor**, **Fluorescent**, or **Push Hold**.


D-Link

DCS-6210 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

IMAGE SETUP
Changes to your IP camera settings are made immediately.

PRIVACY MASK AREA OF VIDEO SETTING

Enable Privacy Mask Setting



- Privacy mask: mask 3 privacy area(s) on video.
- Click the right mouse button on the video control to show the popmenu.
- Press the left mouse button, drag and drop to set the privacy area.
- Privacy area can be enabled or disabled.
- After you finish all privacy mask settings, click the Save button.

IMAGE SETTINGS

Anti Flicker On Off
 Mirror On Off
 Flip On Off
 BLC On Off
 Power Line 60 Hz 50 Hz
 White Balance **Auto**
 Exposure Mode **Auto** Max Gain **24** dB
 Denoise **0**
 Brightness **4**
 Saturation **128**
 Sharpness **4**

Helpful Hints...

Privacy Mask: Click the attached box to activate this function. Now use your mouse to draw a rectangle covering the area you want hidden. Click the box again to deactivate the function.

Anti Flicker: This feature will help to offset the interference of the lighting system and avoid the image flicker issue. ONLY use this option when it is necessary.

Mirror: This function horizontally reverses your images 180 degrees.

Flip: This function vertically reverses your images 180 degrees.

BLC (Back Light Compensation) - When an object is in front of bright light it is difficult for IP camera to capture the image clearly. Selecting this option can allow objects to become clearer when exposed to bright light.

Power Lines: This setting is used to remove 50/60 Hz flicker.

White Balance: White Balance - Is the process of removing unrealistic color casts, so that objects which appear white in person are rendered white in your photo.

Exposure Mode: Exposure is the total amount of light allowed to fall on the image sensor during the process of

Exposure Mode: Changes the exposure mode. Use the drop-down box to set the camera for **Indoor**, **Outdoor**, or **Night** environments, or to **Moving** to capture moving objects. The **Low Noise** option will focus on creating a high-quality picture without noise. You can also create three different custom exposure modes. The **Max Gain** setting will allow you to control the maximum amount of gain to apply to brighten the picture.

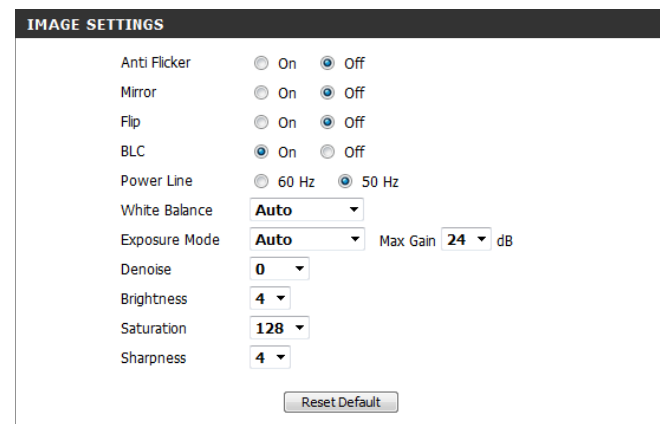
Denoise: This setting controls the amount of noise reduction that will be applied to the picture.

Brightness: Adjust this setting to compensate for backlit subjects.

Saturation: This setting controls the amount of coloration, from grayscale to fully saturated.

Sharpness: Specify a value from 0 to 8 to specify how much sharpening to apply to the image.

Reset Default: Click this button to reset the image to factory default settings.



The screenshot displays the 'IMAGE SETTINGS' menu with the following options and values:

Setting	Value
Anti Flicker	Off
Mirror	Off
Flip	Off
BLC	On
Power Line	50 Hz
White Balance	Auto
Exposure Mode	Auto
Max Gain	24 dB
Denoise	0
Brightness	4
Saturation	128
Sharpness	4

A 'Reset Default' button is located at the bottom right of the settings panel.

Audio and Video

You may configure up to three video profiles with different settings for your camera, allowing you to set up different profiles for your computer and mobile display. In addition, you may also configure the two-way audio settings for your camera. After making any changes, click the **Save Settings** button to save your changes.

Aspect ratio: Set the aspect ratio of the video to 4:3 (standard) or 16:9 (widescreen).

Mode: Set the video codec to be used to **JPEG**, **MPEG-4**, or **H.264**.

Frame size: Determines the total capture resolution.

View window area: Determines the *Live Video* viewing window size.

If the **Frame size** is larger than the **View window area** size, you can use the *ePTZ* controls to look around.

16:9 - 1920 x 1080, 1280 x 720, 800 x 450, 640 x 360,
480 x 270, 320 x 176, 176 x 144

4:3 - 1440 x 1080, 1280 x 960, 1024 x 768, 800 x 600,
640 x 480, 320 x 240, 176 x 144

Note: If your *View window area* is the same as your *Frame size*, you will not be able to use the *ePTZ* function.

Maximum frame rate: A higher frame rate provides smoother motion for videos and requires more bandwidth. Lower frame rates will result in stuttering motion but require less bandwidth.

The screenshot shows the D-Link DCS-6210 web interface. The main navigation tabs are LIVE VIDEO, SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The current page is the 'AUDIO AND VIDEO' configuration page. The interface is divided into several sections:

- VIDEO SETTINGS:**
 - Number of active profiles: 2
 - Aspect ratio: 4:3 (Warning: Change the aspect ratio will clear the settings of privacy mask and preset and motion detection.)
- VIDEO PROFILE 1:**
 - Mode: H.264
 - Frame size: 800x600
 - View window area: 800x600
 - Maximum frame rate: 15
 - Video quality: Constant bit rate (2M) or Fixed quality (Excellent)
- VIDEO PROFILE 2:**
 - Mode: JPEG
 - Frame size: 640x480
 - View window area: 640x480
 - Maximum frame rate: 25
 - Video quality: Excellent
- AUDIO SETTINGS:**
 - Encoding: 6.711
 - Audio in off:
 - Audio in gain level: 20dB

Buttons for 'Save Settings' and 'Don't Save Settings' are located at the bottom of the page.

Video Quality: This limits the maximum frame rate, which can be combined with the **Fixed quality** option to optimize the bandwidth utilization and video quality. If fixed bandwidth utilization is desired regardless of the video quality, choose **Constant bit rate** and select the desired bandwidth.

Constant bit rate: The bps will affect the bit rate of the video recorded by the camera. Higher bit rates result in higher video quality.

Fixed quality: Select the image quality level for the camera to try to maintain. High quality levels will result in increased bit rates.

Encoding Select the audio encoding codec to fine tune bandwidth usage, storage and recording quality.

Audio in off: Check this box to mute incoming audio.

Audio in gain level: This setting controls the amount of gain applied to incoming audio to increase its volume.



Preset

This screen allows you to set preset points for the ePTZ function of the camera, which allows you to look around the camera's viewable area by using a zoomed view. Presets allow you to quickly go to and view a specific part of the area your camera is covering. Also, you can create preset sequences which will automatically change the camera's view between the different presets according to a defined order and timing you can set.

Note: If your View window area is the same as your Frame size, you will not be able to use the ePTZ function.

Video Profile: This selects which video profile to use.

ePTZ Speed: You may select a value between 1 and 10. 1 is the slowest and 10 is the fastest.

Arrow Buttons and Home Button: Use these buttons to move to a specific part of the viewing area, which you can then set as a preset. Click the **Home** button to return to the center of the viewing area.

Input Preset Name: Enter the name of the preset you want to create, then click the **Add** button to make a new preset. If an existing preset has been selected from the *Preset List*, you can change its name by typing in a new name, then clicking the **Rename** button.

Preset List: Click this drop-down box to see a list of all the presets that have been created. You can select one, then click the **GoTo** button to change the displayed camera view to the preset. Clicking the **Remove** button will delete the currently selected preset.

Preset Sequence: This section allows you to create a preset sequence which automatically moves the camera's view between a set of preset views.

The screenshot displays the D-Link DCS-6210 web interface. The top navigation bar includes 'LIVE VIDEO', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar contains a 'Setup Wizard' menu with options like 'Network Setup', 'Dynamic DNS', 'Image Setup', 'Audio and Video', 'Preset', 'Motion Detection', 'Time and Date', 'Event Setup', 'SD Card', and 'Logout'. The main content area is titled 'PRESET CONTROL' and contains a video preview window showing a bus station with an ATM and a person. To the right of the preview are controls for 'VIDEO PROFILE' (set to 1) and 'ePTZ Speed' (set to 5), along with directional arrow buttons and a home button. Below the preview is a 'PRESET' section with 'Input Preset Name' and 'Preset List' fields, and buttons for 'Add', 'Rename', 'GoTo', and 'Remove'. The 'PRESET SEQUENCE' section shows a 'Preset Name' of 'Dwell time' and a 'Dwell time' of 10 seconds, with buttons for 'Add', 'Update', and 'Remove'. A 'Helpful Hints...' sidebar on the right provides instructions on how to use the pan, tilt, and zoom controls, and explains the 'Add', 'GoTo', and 'Preset Sequence' functions.

Preset List: To add a preset to the sequence, select it from the drop-down box at the bottom of this window, set the **Dwell time** to determine how long the camera view will stay at that preset, then click the **Add** button. The preset name will appear in the list followed by the dwell time for that preset view.

You can rearrange your presets in the sequence by selecting a preset, then clicking the "**Arrow**" buttons to move it higher or lower in the current sequence.

Clicking the "**Trash Can**" button will remove the currently selected preset from the sequence.

If you want to change the dwell time for a preset, select it from the list, enter a new dwell time, then click the **Update** button.

The screenshot displays two main sections of the configuration interface:

- PRESET:** This section includes an "Input Preset Name" field, an "Add" button, and a "Rename" button. Below this is a "Preset List" dropdown menu with "--Preset List--" selected, and "GoTo" and "Remove" buttons. A red note indicates "Support(0-9,A-Z,a-z,-,*,/,_)" for the input field.
- PRESET SEQUENCE:** This section shows "Preset Name : Dwell time" above an empty list box. To the right of the list are three buttons: an upward arrow, a trash can icon, and a downward arrow. Below the list is a "Preset List" dropdown menu with "--Preset List--" selected and an "Add" button. At the bottom, there is a "Dwell time" field with the value "10" and an "Update" button. A red note indicates "Second(s)[3-30]" for the dwell time field.

Motion Detection

Enabling *Video Motion* will allow your camera to use the motion detection feature. You may draw a finite motion area that will be used for monitoring. After making any changes, click the **Save Settings** button to save your changes.

Enable Video Motion: Select this box to enable the motion detection feature of your camera.

Sensitivity: Specifies the measurable difference between two sequential images that would indicate motion. Please enter a value between 0 and 100.

Percentage: Specifies the amount of motion in the window being monitored that is required to initiate an alert. If this is set to 100%, motion detected within the whole window will trigger a snapshot.

Draw Motion Area: Draw the motion detection area by dragging your mouse in the window (indicated by the red square).

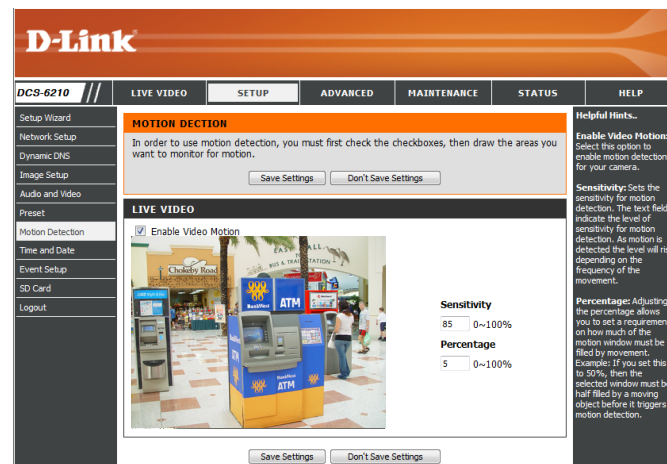
Erase Motion Area: To erase a motion detection area, simply click on the **red square** that you wish to remove.

Right clicking on the **camera image** brings up the following menu options:

Select All: Draws a motion detection area over the entire screen.

Clear All: Clears any motion detection areas that have been drawn.

Restore: Restores the previously specified motion detection areas.



Time and Date

This section allows you to automatically or manually configure, update and maintain the internal system clock for your camera. After making any changes, click the **Save Settings** button to save your changes.

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

Enable Daylight-Saving: Select this to enable Daylight-Saving Time.

Auto Daylight-Saving: Select this option to allow your camera to configure the Daylight-Saving settings automatically.

Set Date and Time Manually: Selecting this option allows you to configure the Daylight-Saving date and time manually.

Offset: Sets the amount of time to be added or removed when Daylight-Saving is enabled.

Synchronize with NTP Server: Enable this feature to obtain time automatically from an NTP server.

NTP Server: Network Time Protocol (NTP) synchronizes the DCS-6210 with an Internet time server. Choose the one that is closest to your location.

Set the Date and Time Manually: This option allows you to set the time and date manually.

Copy Your Computer's Time

Settings: This will synchronize the time information from your PC.

D-Link

DCS-6210 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

TIME AND DATE
You can set the current time for the IP camera.
Save Settings Don't Save Settings

TIME CONFIGURATION

Time Zone (UTC+08:00) Taipei

Enable Daylight Saving

Auto Daylight Saving

Set date and time manually

Offset: +2:00

Start time: 5 1 Sunday 00 00

End time: 10 1 Sunday 00 00

AUTOMATIC TIME CONFIGURATION

Synchronize with NTP Server

NTP Server: ntp.dlink.com.tw << Select NTP Server >>

SET DATE AND TIME MANUALLY

Set date and time manually

Year: 2011 Month: 1 Day: 25

Hour: 23 Minute: 9 Second: 14

Copy Your Computer's Time Settings

Save Settings Don't Save Settings

Helpful Hints...

Good timekeeping is important for accurate logs and scheduled renewal rules.

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

Enable Daylight Saving: Select this to enable the daylight saving time.

Auto Daylight Saving: When you select it, the clock is automatically adjusted according to the daylight saving time of the selected time zone.

Offset: Select the time offset, if your location observes daylight saving time.

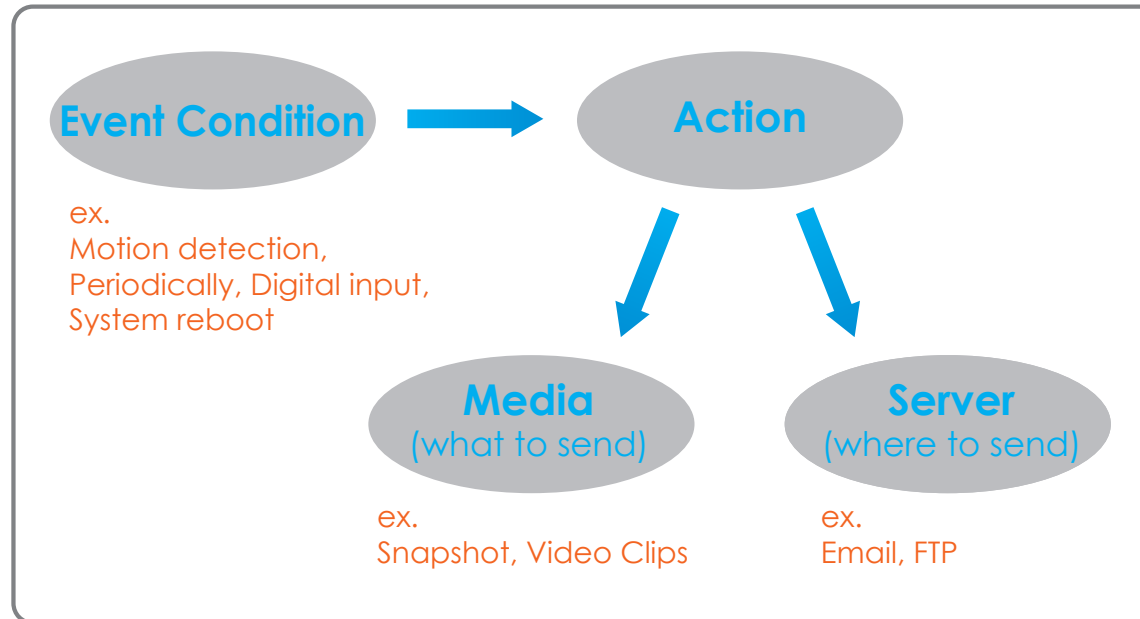
Synchronize with NTP Server: With the option selected, the camera will synchronize the time settings with the NTP server over the Internet whenever the camera starts up. If the timeserver cannot be reached, no time settings will be applied.

NTP Server: Network Time Protocol (NTP) synchronizes the IP camera with an Internet time server. Choose the one that is closest to your location.

Copy Your Computer's Time Settings: This will synchronize the time information from your PC.

Event Setup

In a typical application, when motion is detected, the DCS-6210 sends images to a FTP server or via e-mail as notifications. As shown in the illustration below, an event can be triggered by many sources, such as motion detection. When an event is triggered, a specified action will be performed. You can configure the Network Camera to send snapshots or videos to your e-mail address or FTP site.



To start plotting an event, it is suggested to configure *Server* and *Media* columns first so that the Network Camera will know what action shall be performed when a trigger is activated.

The *Event Setup* page includes four different sections.

- *Event*
- *Server*
- *Media*
- *Recording*

1. To add a new item - *Event, Server* or *Media* - click **Add**. A screen will appear and allow you to update the fields accordingly.
2. To delete an item, the selected item from the pull-down menu - *Event, Server* or *Media* - click **Delete**.
3. To modify an item, click on the item name and a window will appear, allowing you to make changes.

Product: DCS-6210 Firmware Version : 1.00_menu

D-Link

DCS-6210 // LIVE VIDEO **SETUP** ADVANCED MAINTENANCE STATUS HELP

Setup Wizard
Network Setup
Dynamic DNS
Image Setup
Audio and Video
Preset
Motion Detection
Time and Date
Event Setup
SD Card
Logout

EVENT SETUP

There are four sections in Event Setup page. They are event, server, media and recording. Click Add to pop a window to add a new item of event, server, media or recording. Click Delete to delete the selected item from event, server, media or recording. Click on the item name to pop a window to edit it. There can be at most 3 events and 2 recording. There can be at most 5 server and 5 media configurations.

SERVER

Name	Type	Address/Location
<input type="button" value="Add"/>	<input type="button" value="Delete"/>	

MEDIA

Media freespace: 6700KB

Name	Type	Source
<input type="button" value="Add"/>	<input type="button" value="Delete"/>	

EVENT

Name	Status	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Time	Trigger
<input type="button" value="Add"/>	<input type="button" value="Delete"/>									

RECORDING

Name	Status	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Time	Source	Destination
<input type="button" value="Add"/>	<input type="button" value="Delete"/>										

Helpful Hints...

Suggest setting server and media first before setting event. The servers and media which selected in event list are not be able to modify or delete. Please remove them first from the event if you want to delete or modify them. Recommend using different media in different event to make use all media be produced and received correctly. If using the same media in different events and the events trigger almost simultaneously, the servers in the second triggered event will not receive any media; there would be only notifications.

SECURITY

Add Server

You can configure up to five servers to save snapshots and/or video to. After making any changes, click the **Save Settings** button to save your changes.

Server Name: Enter the unique name of your server.

E-mail: Enter the configuration for the target e-mail server account.

FTP: Enter the configuration for the target FTP server account.

Network Storage: Specify a network storage device. Only one network storage device is supported.

SD Card: Use the camera's onboard SD card storage.

D-Link

DCS-6210 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

SERVER

You can set at most 5 different servers here for different event.

[Test] [Save Settings] [Don't Save Settings]

SERVER TYPE

Server Name: _____

Email

Sender email address _____

Recipient email address _____

Server address _____

User name _____

Password _____

Port 25 _____

This server requires a secure connection (StartTLS)

FTP

Server address _____

Port 21 _____

User name _____

Password _____

Remote folder name _____

Passive mode

Network storage

Network storage location _____
(for example: \\my_nas(disk)/folder)

Workgroup _____

User name _____

Password _____

Primary WINIS server _____

SD Card

[Test] [Save Settings] [Don't Save Settings]

Helpful Hints...

Server name: The unique name for server. There are four kinds of servers supported. They are email server, FTP server, HTTP server and network storage.

Email server: "Sender email address" The email address of the sender. "Recipient email address" The email address of the recipient.

FTP server: "Remote folder name" Granted folder on the external FTP server. Some FTP servers cannot accept preceding slash symbol before the path without virtual path mapping. Refer to the instructions for the external FTP server for details. The folder privilege must be open for upload. "Passive Mode" Check it to enable passive mode in transmission.

Network storage: Only one network storage is supported. "Network storage location" The path to upload the media. "Workgroup" The workgroup for network storage.

SD card: Use the SD card for recording media.

SECURITY

Add Media

There are three types of media - **Snapshot**, **Video Clip**, and **System Log**. After making any changes, click the **Save Settings** button to save your changes.

Media Name: Enter a unique name for media type you want to create.

Snapshot: Select this option to set the media type to **Snapshots**.

Source: Set the video profile to use as the media source. Refer to *Audio and Video* on page 37 for more information on video profiles.

Send pre-event image(s) [0~4]: Set the number of pre-event images to take. Pre-event images are images taken before the main event snapshot is taken.

Send post-event image(s) [0~7]: Set the number of post-event images to take. Post-event images are images taken after the main event snapshot is taken. You can set up to seven post-event images to be taken.

File name prefix: The prefix name will be added on the file name.

Add date and time suffix to file

name: Check to add timing information as a file name suffix.

Video Clip: Select this option to set the media type to **Video Clips**.

Source: Set the video profile to use as the media source. Refer to *Audio and Video* on page 37 for more information on video profiles.

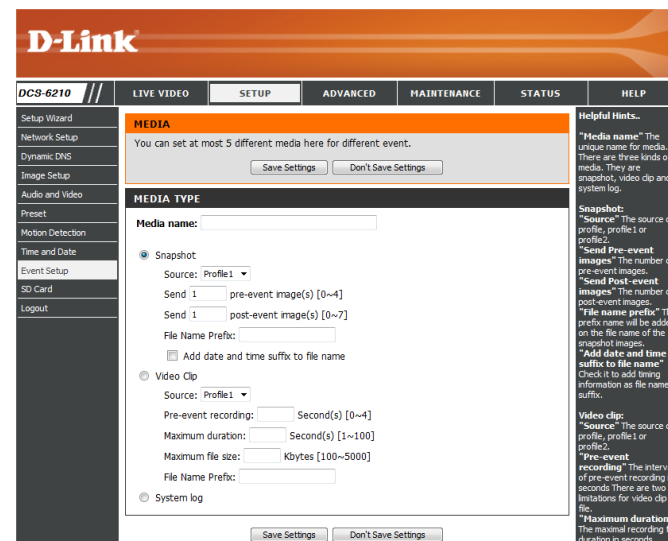
Pre-event recording: This sets how many seconds to record before the main event video clip starts. You can record up to four seconds of pre-event video.

Maximum duration: Set the maximum length of video to record for your video clips.

Maximum file size: Set the maximum file size to record for your video clips.

File name prefix: This is the prefix that will be added to the filename of saved video clips.

System log: Select this option to set the media type to **System Logs**. This will save the event to the camera system log, but will not record any snapshots or video.



Add Event

Create and schedule up to two events with their own settings here. After making any changes, click the **Save Settings** button to save your changes.

Event name: Enter a name for the event.

Enable this event: Select this box to activate this event.

Priority: Set the priority for this event. The event with higher priority will be executed first.

Delay: Select the delay time before checking the next event. It is being used for both events of motion detection and digital input trigger.

Trigger: Specify the input type that triggers the event.

Video Motion Detection: Motion is detected during live video monitoring. Select the windows that need to be monitored.

Periodic: The event is triggered in specified intervals. The trigger interval unit is in minutes.

System Boot: Triggers an event when the system boots up.

Network Lost: Triggers an event when the network connection is lost.

Time: Select **Always** or enter the time interval.

Add Recording

Here you can configure and schedule the recording settings. After making any changes, click the **Save Settings** button to save your changes.

Recording entry name: The unique name of the entry.

Enable this recording: Select this to enable the recording function.

Priority: Set the priority for this entry. The entry with a higher priority value will be executed first.

Source: The source of the stream.

Recording schedule: Schedule the recording entry.

Recording settings: Configure the setting for the recording.

Destination: Select the folder where the recording file will be stored.

Total cycling recording size: Please input an HDD volume between 1MB and 2TB for recording space. The recording data will replace the oldest record when the total recording size exceeds this value. For example, if each recording file is 6MB, and the total cyclical recording size is 600MB, then the camera will record 100 files in the specified location (folder) and then will delete the oldest file and create new file for cyclical recording.

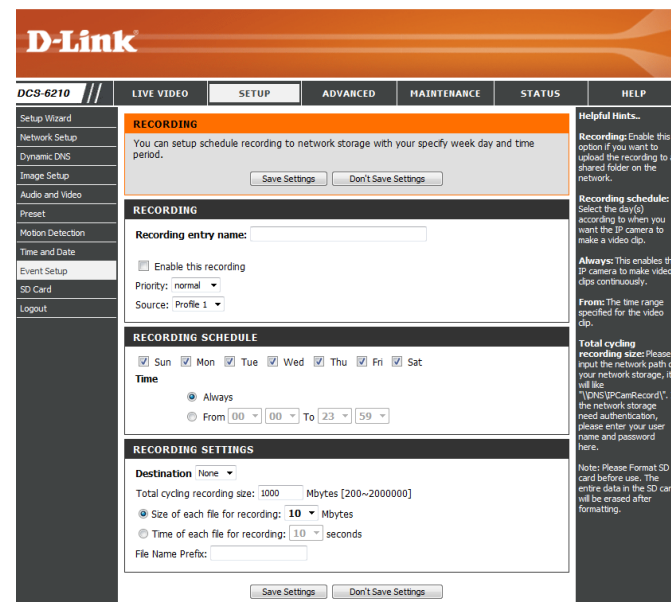
Please note that if the free HDD space is not enough, the recording will stop. Before you set up this option please make sure your HDD has enough space. It is better not to save other files in the same folder as recording files.



Size of each file for recording: If this is selected, files will be separated based on the file size you specify.

Time of each file for recording: If this is selected, files will be separated based on the maximum length you specify.

File Name Prefix: The prefix name will be added on the file name of the recording file(s).



SD Card

Here you may browse and manage the recorded files which are stored on the SD card.

Format SD Card: Click this icon to automatically format the SD card and create "picture" & "video" folders.

View Recorded Picture: If the picture files are stored on the SD card, click on the **Picture** folder and choose the picture file you would like to view.

Playback Recorded Video: If video files are stored on the SD card, click on the **Video** folder and choose the video file you would like to view.

Refresh: Reloads the file and folder information from the SD card.



HTTPS

This page allows you to install and activate an HTTPS certificate for secure access to your camera. After making any changes, click the **Save Settings** button to save your changes.

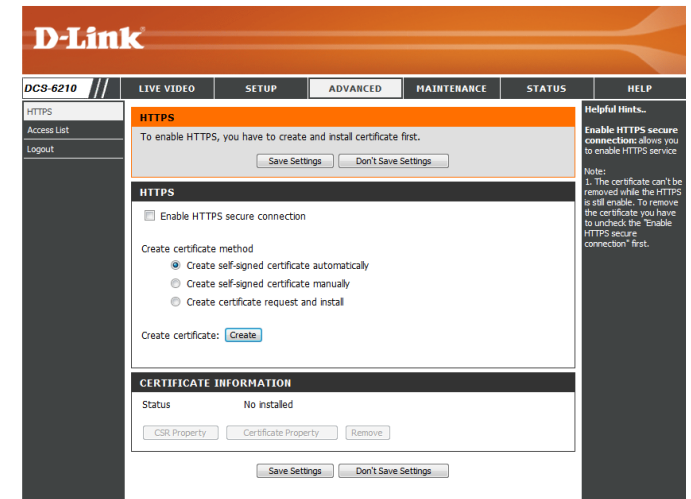
Enable HTTPS Secure Connection: Enable the HTTPS service.

Create Certificate Method: Choose the way the certificate should be created. Three options are available:

- Create a self-signed certificate automatically
- Create a self-signed certificate manually
- Create a certificate request and install

Status: Displays the status of the certificate.

Note: *The certificate cannot be removed while the HTTPS is still enabled. To remove the certificate, you must first uncheck **Enable HTTPS secure connection**.*



Access List

Here you can set access permissions for users to view your DCS-6210.

Allow list: The list of IP addresses that have the access right to the camera.

Start IP address: The starting IP address of the devices (such as a computer) that have permission to access the video of the camera. Click **Add** to save the changes made.

Note: A total of seven lists can be configured for both columns.

End IP address: The ending IP address of the devices (such as a computer) that have permission to access the video of the camera.

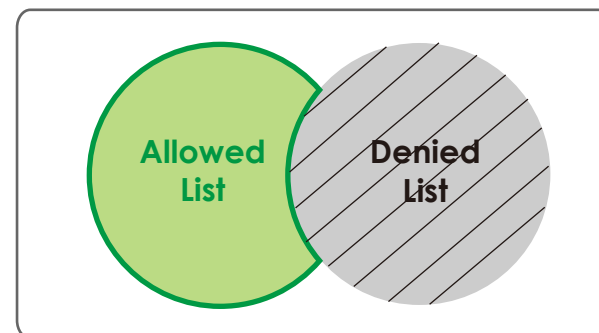
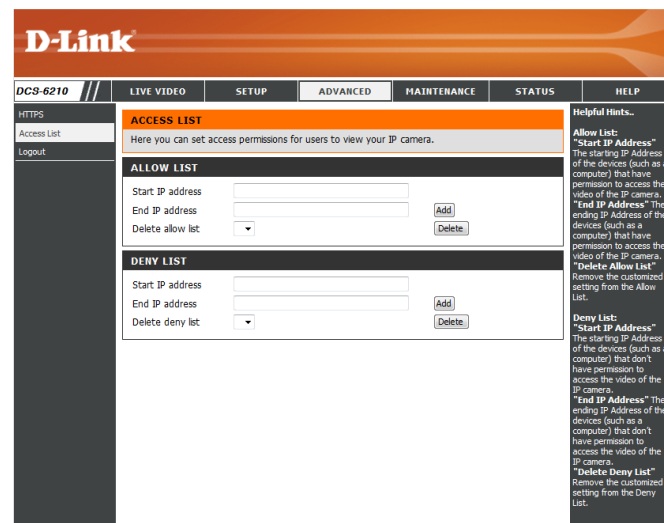
Delete allow list: Remove the customized setting from the *Allow List*.

Deny list: The list of IP addresses that have no access rights to the camera.

Delete deny list: Remove the customized setting from the *Deny List*.

For example:

When the range of the *Allowed List* is set from 1.1.1.0 to 192.255.255.255 and the range of the *Denied List* is set from 1.1.1.0 to 170.255.255.255. Only users with IPs located between 171.0.0.0 and 192.255.255.255 can access the Network Camera.



Maintenance

Device Management

This section will allow you to modify the name and administrator's password of your camera, as well as add and manage the user accounts for accessing the camera. You may also use this section to create a unique name and configure the OSD settings for your camera.

Admin Password Setting: Set a new password for the administrator's account.

Add User Account: Add new user account.

User Name: The user name for the new account.

Password: The password for the new account.

User List: All the existing user accounts will be displayed here. You may delete accounts included in the list. You may want to reserve at least one as a guest account.

IP Camera Name: Create a unique name for your camera that will be added to the file name prefix when creating a snapshot or a video clip.

Enable OSD: Select this option to enable the *On-Screen Display* feature for your camera.

Label: Enter a label for the camera, which will be shown on the OSD when it is enabled.

Show Time: Select this option to enable the time-stamp display on the video screen.

The screenshot shows the D-Link DCS-6210 web interface. The top navigation bar includes 'LIVE VIDEO', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The 'MAINTENANCE' section is selected, and the 'ADMIN' sub-section is active. The 'ADMIN' section contains three main areas: 'ADMIN PASSWORD SETTING' with 'New Password' and 'Retype Password' fields and a 'Save' button; 'ADD USER ACCOUNT' with 'User Name', 'New Password', and 'Retype Password' fields and an 'Add' button; and 'USER LIST' with a 'User Name' dropdown and a 'Delete' button. Below these is the 'DEVICE SETTING' section, which includes 'IP camera Name', 'Label', and 'Show time' (checked) fields, along with a 'Save' button. A 'Helpful Hints' sidebar on the right provides additional information about enabling OSD and changing the administrator password.

System

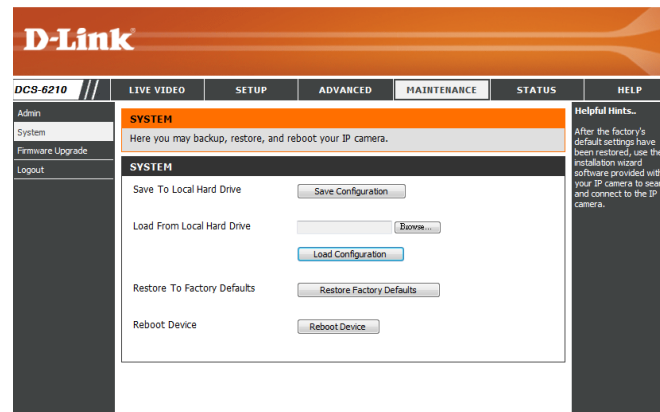
In this section, you may backup, restore and reset the camera configuration, or reboot the camera.

Save To Local Hard Drive: You may save your current camera configuration as a file on your computer.

Load From Local Hard Drive: Locate a pre-saved configuration by clicking **Browse** and then restore the pre-defined settings to your camera by clicking **Load Configuration**.

Restore to Factory Defaults: You may reset your camera and restore the factory settings by clicking **Restore Factory Defaults**.

Reboot Device: This will restart your camera.



Firmware Upgrade

The camera's current firmware version will be displayed on this screen. You may visit the D-Link Support Website to check for the latest available firmware version.

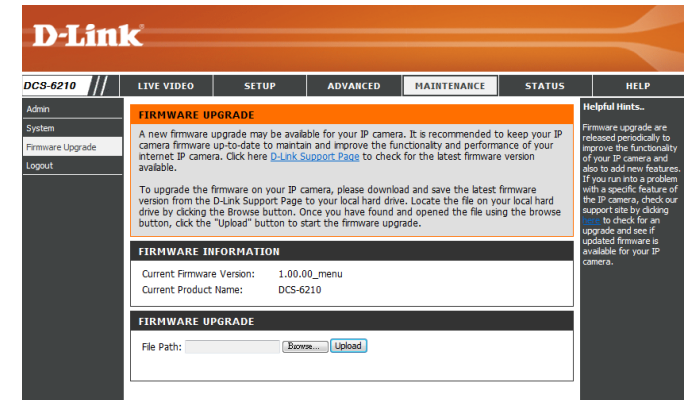
To upgrade the firmware on your DCS-6210, please download and save the latest firmware version from the D-Link Support Page to your local hard drive. Locate the file on your local hard drive by clicking the **Browse** button. Select the file and click the **Upload** button to start upgrading the firmware.

Current Firmware Version: Displays the detected firmware version.

Current Product Name: Displays the camera model name.

File Path: Locate the file (upgraded firmware) on your hard drive by clicking **Browse**.

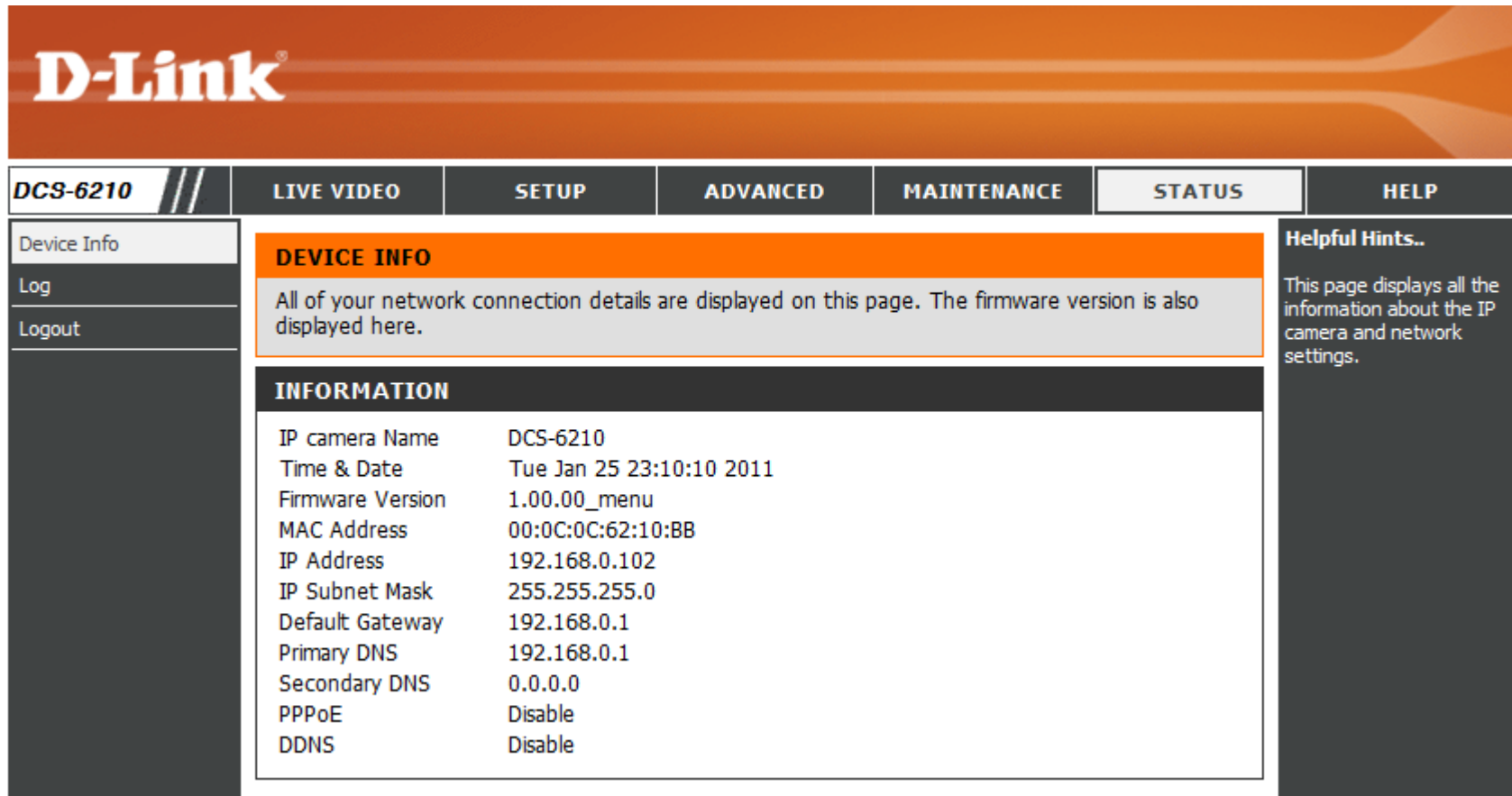
Upload: Click to uploads the new firmware to your camera.



Status

Device Info

This page displays detailed information about your device and network connection.



D-Link

DCS-6210 // **LIVE VIDEO** **SETUP** **ADVANCED** **MAINTENANCE** **STATUS** **HELP**

Device Info
Log
Logout

DEVICE INFO

All of your network connection details are displayed on this page. The firmware version is also displayed here.

INFORMATION

IP camera Name	DCS-6210
Time & Date	Tue Jan 25 23:10:10 2011
Firmware Version	1.00.00_menu
MAC Address	00:0C:0C:62:10:BB
IP Address	192.168.0.102
IP Subnet Mask	255.255.255.0
Default Gateway	192.168.0.1
Primary DNS	192.168.0.1
Secondary DNS	0.0.0.0
PPPoE	Disable
DDNS	Disable

Helpful Hints..

This page displays all the information about the IP camera and network settings.

Logs

This page displays the log information of your camera. You may download the information by clicking **Download**. You may also click **Clear** to delete the saved log information.

D-Link

DCS-6210 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

Device Info
Log
Logout

SYSTEM LOG
The system log records IP camera events that have occurred.

Helpful Hints..
You can save the log to your local hard IP camera by clicking the Download button, and you can clear the log by clicking on the Clear button.

CURRENT LOG

1. 2011-01-25 23:06:28 admin LOGIN OK FROM 192.168.0.100
2. 2011-01-25 21:35:00 IP CAMERA ACQUIRE DHCP IP 192.168.0.102
3. 2011-01-25 21:34:59 NETWORK RECONNECT
4. 2011-01-25 21:13:37 NETWORK LOSS
5. 2011-01-25 21:13:36 SYSTEM BOOTING
6. 2011-01-25 03:29:29 admin LOGIN OK FROM 192.168.0.100
7. 2011-01-25 03:29:20 SD CARD INITIALIZES FAILED
8. 2011-01-25 01:33:11 admin LOGIN OK FROM 192.168.0.100
9. 2011-01-25 01:30:45 IP CAMERA ACQUIRE DHCP IP 192.168.0.102
10. 2011-01-25 01:30:44 NETWORK RECONNECT
11. 2011-01-22 00:38:27 NETWORK LOSS
12. 2011-01-21 19:57:18 admin LOGIN OK FROM 192.168.0.100
13. 2011-01-14 23:18:46 admin LOGIN OK FROM 192.168.0.100
14. 2011-01-14 23:17:37 IP CAMERA ACQUIRE DHCP IP 192.168.0.102
15. 2011-01-14 23:17:34 SYSTEM BOOTING
16. 2011-01-14 23:05:44 admin LOGIN OK FROM 192.168.0.100
17. 2011-01-12 02:22:09 admin FROM 192.168.0.100 SET VIDEO CODEC Need Reset
18. 2011-01-12 02:22:09 admin FROM 192.168.0.100 SET PROFILE 1 Viewer window area 800x600
19. 2011-01-12 02:22:09 admin FROM 192.168.0.100 SET PROFILE 1 Frame Size 800x600
20. 2011-01-12 02:21:55 admin FROM 192.168.0.100 SET VIDEO CODEC Need Reset

First Page Previous 20 Next 20

Help

This page provides helpful information regarding camera operation.

The screenshot shows the D-Link DCS-6210 web interface. At the top is the D-Link logo. Below it is a navigation bar with tabs for LIVE VIDEO, SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The HELP tab is selected. On the left is a sidebar with 'Help' and 'Logout' links. The main content area is titled 'HELP' and contains a list of links for each menu item: LIVE VIDEO (Camera), SETUP (Setup Wizard, Network Setup, Dynamic DNS, Image Setup, Audio and Video, Preset, Motion Detection, Time and Date, Event Setup, SD Card), ADVANCED (HTTPS, Access List), MAINTENANCE (Admin, System, Firmware Upgrade), and STATUS (Device Info, Log). At the bottom of the page is a 'SECURITY' section.

D-Link

DCS-6210 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

Help
Logout

HELP

- [LIVE VIDEO](#)
- [SETUP](#)
- [MAINTENANCE](#)
- [ADVANCED](#)
- [STATUS](#)

LIVE VIDEO

- [Camera](#)

SETUP

- [Setup Wizard](#)
- [Network Setup](#)
- [Dynamic DNS](#)
- [Image Setup](#)
- [Audio and Video](#)
- [Preset](#)
- [Motion Detection](#)
- [Time and Date](#)
- [Event Setup](#)
- [SD Card](#)

ADVANCED

- [HTTPS](#)
- [Access List](#)

MAINTENANCE

- [Admin](#)
- [System](#)
- [Firmware Upgrade](#)

STATUS

- [Device Info](#)
- [Log](#)

SECURITY

Technical Specifications

Camera		
Camera Hardware Profile	<ul style="list-style-type: none"> • 1/2.7" 2 Megapixel progressive CMOS sensor • Fixed Lens, focal length 3.6 mm, aperture F1.8 • 10x digital zoom 	<ul style="list-style-type: none"> • Angle of view: <ul style="list-style-type: none"> • (H) 88 ° • (V) 50.4° • (D) 101 °
Camera Housing	<ul style="list-style-type: none"> • IP68 weather-proof compliant 	<ul style="list-style-type: none"> • IK-10 vandal-proof compliant
Image Features	<ul style="list-style-type: none"> • Configurable image size, quality, frame rate, and bit rate • Time stamp and text overlays • Configurable motion detection windows 	<ul style="list-style-type: none"> • Configurable privacy mask zones • Configurable white balance, brightness, saturation, contrast, sharpness, and BLC
Video Compression	<ul style="list-style-type: none"> • Simultaneous H.264/MPEG-4/MJPEG format compression • H.264/MPEG-4 multicast streaming 	<ul style="list-style-type: none"> • JPEG for still images
Video Resolution	<ul style="list-style-type: none"> • 16:9 - 1920 x 1080 (up to 15 fps) 1280 x 800, 1280 x 720, 800 x 450, 640 x 360, 480 x 270, 320 x 176, 176 x 144 up to 30 fps recording1 	<ul style="list-style-type: none"> • 4:3 - 1440 x 1080 (up to 25 fps) 1024 x 768, 800 x 600, 640 x 480, 480 x 360, 320 x 240, 176 x 144 up to 30 fps recording1
Audio Support	<ul style="list-style-type: none"> • G.726 	<ul style="list-style-type: none"> • G.711
External Device Interfaces	<ul style="list-style-type: none"> • 10/100 BASE-TX Fast Ethernet port • Supports 802.3af PoE 	<ul style="list-style-type: none"> • MicroSD/SDHC card slot
Network		
Network Protocols	<ul style="list-style-type: none"> • IPv6 • IPv4 • TCP/IP • UDP • ICMP • DHCP client • NTP client (D-Link) • DNS client • DDNS client (D-Link) • SMTP client • FTP client 	<ul style="list-style-type: none"> • HTTP / HTTPS • Samba client • PPPoE • UPnP port forwarding • RTP / RTSP / RTCP • IP filtering • QoS • CoS • Multicast • IGMP • ONVIF compliant
Security	<ul style="list-style-type: none"> • Administrator and user group protection • Password authentication 	<ul style="list-style-type: none"> • HTTP and RTSP digest encryption

Appendix A: Technical Specifications

System Management		
System Requirements for Web Interface	<ul style="list-style-type: none"> • Browser: Internet Explorer, Firefox, Safari, Chrome 	
Event Management	<ul style="list-style-type: none"> • Motion detection • Event notification and uploading of snapshots/video clips via e-mail or FTP 	<ul style="list-style-type: none"> • Supports multiple SMTP and FTP servers • Multiple event notifications • Multiple recording methods for easy backup
Remote Management	<ul style="list-style-type: none"> • Take snapshots/video clips and save to local hard drive or NAS via web browser 	<ul style="list-style-type: none"> • Configuration interface accessible via web browser
D-ViewCam™ System Requirements	<ul style="list-style-type: none"> • Operating System: Microsoft Windows 8/7/Vista/XP • Web Browser: Internet Explorer 7 or higher 	<ul style="list-style-type: none"> • Protocol: Standard TCP/IP
D-ViewCam™ Software Functions	<ul style="list-style-type: none"> • Remote management/control of up to 32 cameras • Viewing of up to 32 cameras on one screen • Scheduled motion triggered, or manual recording options 	<ul style="list-style-type: none"> • Supports all management functions in web interface
Physical		
Weight	<ul style="list-style-type: none"> • 412.2 g ± 5% 	
Power Consumption	<ul style="list-style-type: none"> • 7.8 watts ± 5% 	
Temperature	<ul style="list-style-type: none"> • Operating: -25 to 50 °C (-22 to 122 °F) 	<ul style="list-style-type: none"> • Storage: -20 to 70 °C (-4 to 158 °F)
Humidity	<ul style="list-style-type: none"> • Operating: 20% to 80% non-condensing 	<ul style="list-style-type: none"> • Storage: 5% to 95% non-condensing
Certifications	<ul style="list-style-type: none"> • CE • CE LVD 	<ul style="list-style-type: none"> • FCC • C-Tick
Dimensions	<p>The image contains two technical drawings of the D-ViewCam camera. The left drawing is a side view showing a height of 96.09 mm, a top width of 51.59 mm, and a bottom width of 22.64 mm. The right drawing is a front view showing a top width of 115.52 mm and a height of 106.75 mm. The front view also shows a lens in the center and two screws on the sides.</p>	

Safety Statements

CE Mark Warning:

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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.

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.

Industry Canada Notice:

This device complies with RSS-210 of the Industry Canada 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.

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with IC 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.

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-6210)
- 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 (excluding power supplies and fans): Five (5) years
- Power supplies and fans: 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:

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 (USA 1-877-453-5465 or Canada 1-800-361-5265), 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. Enter the assigned Case ID Number at <https://rma.dlink.com/> (USA only) or <https://rma.dlink.ca> (Canada only).

- 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.
- **USA residents** send to 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.
- **Canadian residents** send to D-Link Networks, Inc., 2525 Meadowvale Boulevard Mississauga, Ontario, L5N 5S2 Canada. 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 Purolator Canada or any common carrier selected by D-Link. Return shipping charges shall be prepaid by D-Link if you use an address in Canada, 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. RMA phone number: 1-800-361-5265 Hours of Operation: Monday-Friday, 9:00AM – 9:00PM EST

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 NON-INFRINGEMENT.

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.

Copyright ©2013 by D-Link Corporation/D-Link Systems, Inc. All rights reserved.

CE Mark Warning:

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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.

Industry Canada Statement:

This device complies with RSS-210 of the Industry Canada 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.

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

This device has been designed to operate with an antenna having a maximum gain of 2 dB. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

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 1.1
September 17, 2013