



# User Manual

## Full HD Day & Night Outdoor Network Camera

DCS-7413

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# 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.

## Manual Revisions

Revision	Date	Description
1.0	July 16, 2012	DCS-7413 revision A1 with firmware version 1.00
1.1	September 17, 2013	Updated for revision A2
2.0	November 13, 2013	Updated for revision B1

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# Safety Instructions

Use the following safety guidelines to ensure your own personal safety and to help protect your product from potential damage.

If any of the following conditions occur, unplug the product from the electrical outlet and replace the part or contact the place of purchase:

- The power cable, extension cable, or plug is damaged.
- An object has fallen into the product.
- The product has been dropped or damaged.
- The product does not operate correctly when you follow the operating instructions.

## Warnings

- **STRANGULATION HAZARD! – Keep cords out of the reach of children. Keep and secure all cords a minimum of 3 feet away from a crib or other child sleeping area.**
- Operate the product only from the type of external power source indicated on the electrical ratings label. If you are not sure of the type of power source required, consult your local power company.
- Use only the power adapter with the product. Using another adapter, not recommended by the manufacturer, may damage the product and invalidate the warranty.
- To help prevent an electric shock, plug the product into properly grounded electrical outlets.
- Observe power strip ratings. Make sure that the total ampere rating of all products plugged into the power strip does not exceed 80 percent of the ampere ratings limit for the power strip.
- To help protect your product from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner, or uninterruptible power supply (UPS).
- Position product cables and power cables carefully; route cables so that they cannot be stepped on or tripped over. Be sure that nothing rests on any cables. Do not modify power cables or plugs. Consult a licensed electrician or your power company for site modifications. Always follow your local/national wiring rules.
- Do not submerge camera in water (or any liquid).
- This product contains small parts that may cause choking. Keep out of reach of children.

- 
- This product is not a toy. Do not allow children to play with it.
  - Ensure the product is fixed securely otherwise it may fall and cause injury!
  - This product is NOT intended to replace proper supervision of children. You must check your child's activity regularly, as this product will not alert parents to activity of children.
  - Do not use extension cords. Only use the power adapter provided.
  - Do not use this product near a heat source.

THIS DEVICE REQUIRES THIRD-PARTY SERVICES AND PRODUCTS TO ACHIEVE FULL FUNCTIONALITY, INCLUDING BUT NOT LIMITED TO, BROADBAND INTERNET SUBSCRIPTION SERVICES AND PRODUCTS; MOBILE INTERNET SUBSCRIPTION SERVICES, COVERAGE AND PRODUCTS; CAMERA MANAGEMENT SOFTWARE, AND; A NETWORK CONNECTION. D-LINK HAS NO CONTROL OVER SUCH SERVICES AND PRODUCTS AND EXPRESSLY DISCLAIMS ANY AND ALL LIABILITY FOR THE FAILURE OF THE DEVICE OR ANY FEATURE THEREOF RESULTING FROM THE FAILURE OF ANY THIRD-PARTY SERVICE OR PRODUCT.



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# Product Overview

## Package Contents



DCS-7413 Full HD Day & Night Outdoor Network Camera



Bracket and Mounting Shoe



CAT5 Ethernet Cable



Power adapter



CD-ROM with User Manual and Software



Mounting Plate with Alignment Sticker



Quick Install Guide



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-7413 Full HD Day & Night Outdoor Network Camera. The DCS-7413 is a professional surveillance and security solution for small, medium, and large enterprises alike. The DCS-7413 uses a 2 megapixel progressive scan CMOS sensor; the professional sensor results in low noise and high sensitivity capabilities ideal for surveillance applications.

The DCS-7413 is a complete system built with an ARM SoC CPU that incorporates a web server, allowing it to transmit excellent real-time Full HD resolution video quality for security and outdoor surveillance.

The DCS-7413 can be accessed remotely, controlled and configured 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 configuration across the full range of its advanced feature set, including granular control over multiple video streams with different configurations and multicast video/audio streams which helps you manage your network load.

The DCS-7413 has an IP68 certified weatherproof housing designed for both indoor and outdoor applications. The built-in removable IR-cut filter and IR LEDs give the DCS-7413 the capability to view up to 30M at night. The DCS-7413 also incorporates Power over Ethernet (PoE), allowing it to be easily installed in a variety of locations without the need for supplemental power cabling. The combination of IP68 housing, IR-Cut Filter, IR LEDs and PoE make the DCS-7413 an ideal solution for a dependable and cost-effective 24 hour surveillance solution with an easy clutter-free installation.

## System Requirements

- Computer with Microsoft Windows® 8, 7, Vista®, or XP (for CD-ROM Setup Wizard)
- PC with 1.3GHz or above; at least 128MB RAM
- Internet Explorer 7 or above , Firefox 3.5 or above, Safari 4 and Chrome 8.0 or above
- Existing 10/100 Ethernet-based network
- An SD memory card (optional) is required for recording to onboard storage. SDHC Class 6 or above is recommended.
- Broadband Internet connection

# Features

## **Simple to Maintain**

The DCS-7413 is a stand-alone system with a built-in CPU, requiring no special hardware or software. The DCS-7413 supports both ActiveX mode for Internet Explorer and Java mode for other browsers such as Chrome®, Firefox® and Safari®.

## **Supports a Variety of Platforms**

Supporting TCP/IP networking, HTTP, and other Internet related protocols. The DCS-7413 can also be integrated easily into other Internet/Intranet applications because of its standards-based features. The DCS-7413 works with any 10/100 Ethernet network, making the DCS-7413 easy to integrate into your existing network environment.

## **Advanced Event Management**

The DCS-7413 can be set up to send e-mail notifications with snapshots when an event occurs, such as when motion is detected. Events can be triggered from several sources, such as motion detection, timer based events or digital input based events.

## **Automatic Thermostat Temperature Regulation**

The DCS-7413 monitors and automatically regulates its temperature to ensure it can perform at its optimal ability. It balances fan use against a built in heater based on a range of preset thermostatic settings. This gives the DCS-7413 the ability to perform in the most demanding of environments.

## **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 the Internet. Other features include image monitoring, recording images to a hard drive, viewing up to 32 cameras on one screen, and taking snapshots.

## **IR LED for Day and Night Functionality**

The built-in infrared LEDs enables night time viewing of up to 30 meters (98 feet).

## **IP68 Weatherproof Housing**

The DCS-7413 uses an IP68 weatherproof housing, allowing you to rest assured that in the toughest of conditions, it will continue to provide round-the-clock surveillance.

## **PoE (Power over Ethernet) for Flexible Installation**

The DCS-7413 can draw all the power it needs from a PoE switch or PoE injector for a simple and clutter-free installation.

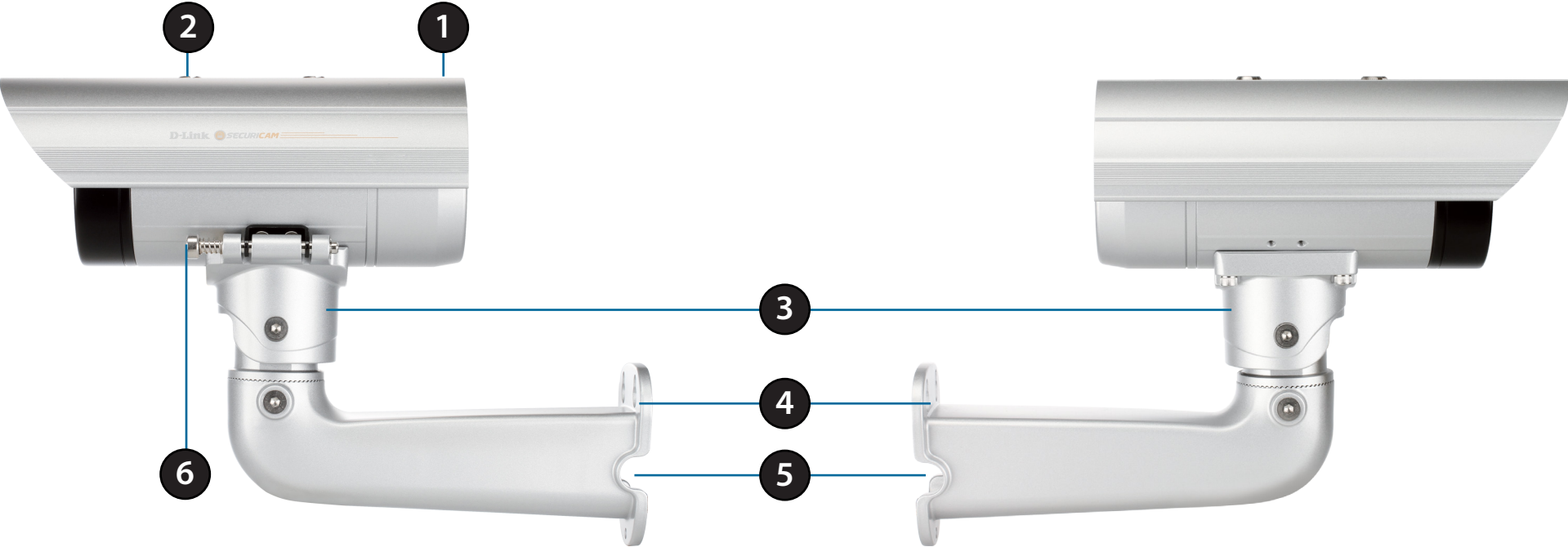
# Hardware Overview

## Front



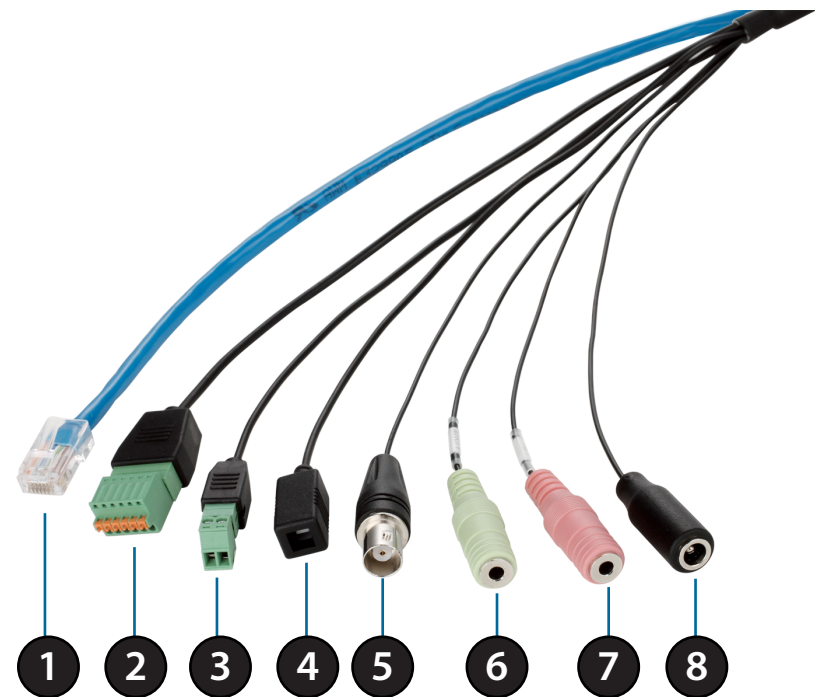
1	Camera Lens	Fixed lens to record video of the surrounding area.
2	ICR Sensor	The IR-Cut Removable sensor measures the lighting conditions and switches between color and infrared accordingly.
3	IR LEDs	Infrared LEDs illuminate the camera's field of view at night.
4	Power/Status LED	Indicates the camera's current status.
5	Weatherproof Casing	The camera is housed in an IP68 certified weatherproof casing, which protects it against rain and dust.

Sides



1	Adjustable Top Shield	Shields the camera sensor from direct sunlight.
2	Adjustment Screw	Allows adjustment of the Top Shield.
3	Camera Shoe	Adjustable mounting seat.
4	Cable management Bracket	Tightly assembles and protects the cables from outdoor wear and tear.
5	Cable Channel	Channel for cable placement.
6	Quick Release Rod	Allows the camera to be swiveled into position for easy maintenance.

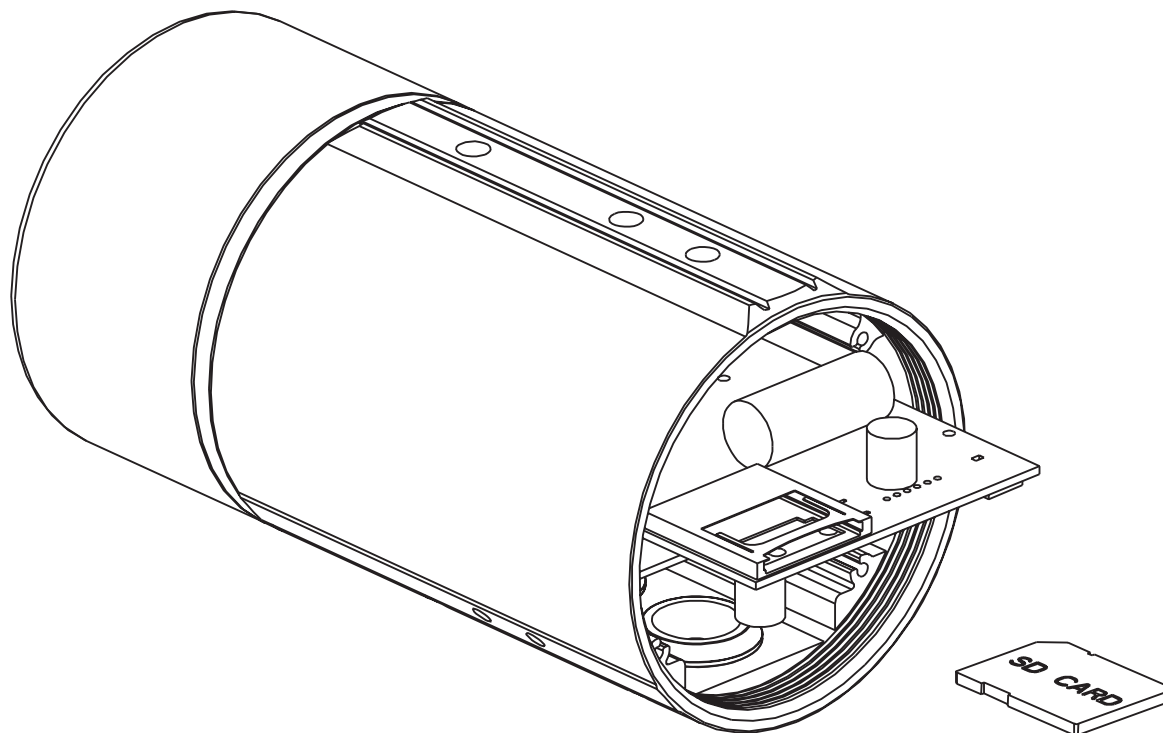
# Cable Harness



1	Ethernet Jack	Connects to an RJ45 Ethernet port. Can be replaced with a PoE cable to provide power to the camera.
2	DI/DO Connector	I/O connectors for external devices. 12V DC output.
3	24V Power Connector	Connects to 24V AC power supply.
4	Reset Button	Press and hold the recessed button for 10 seconds to reset the camera.
5	BNC Connector	The BNC connector is recommended for use with handheld monitors to check the Field of View during installation.
6	Audio Out (Green)	Connects to a speaker.
7	Audio In (Pink)	Connects to a microphone.
8	Power Connector	Power connector for the provided 12V DC power adapter.



## Internal



1

### SD Card Slot

Insert an SD card for Local storage for storing recorded image and video.

For step-by-step instruction on how to insert an SD card please skip to "Installing an SD Card" on page 14.

**Note:** This camera currently supports SDXC cards up to 64GB and in FAT32 format only.

# Assembly and Installation

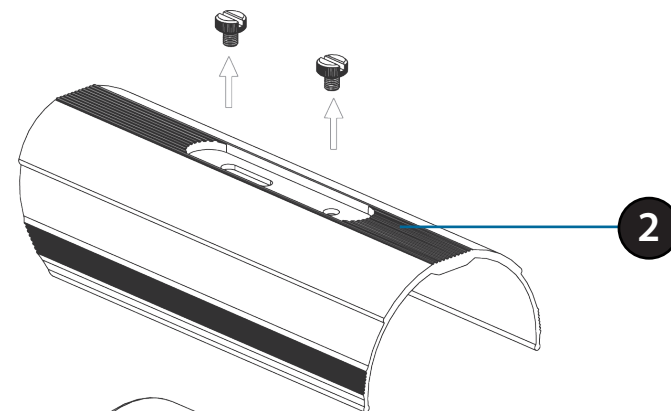
## Installing an SD Card

### Step 1

Place the camera face down on a non-slip flat surface.

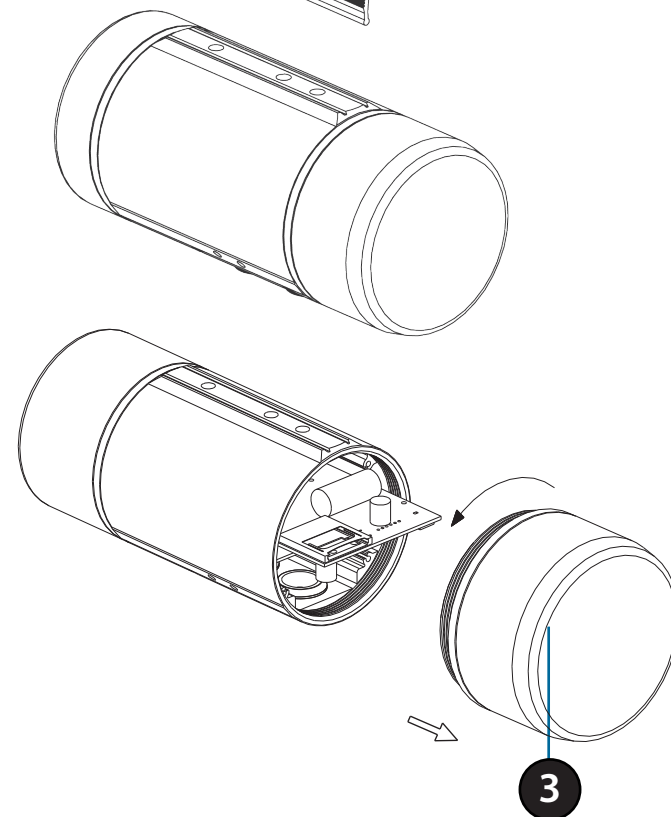
### Step 2

Remove the adjustable top shield by removing the two retaining screws.



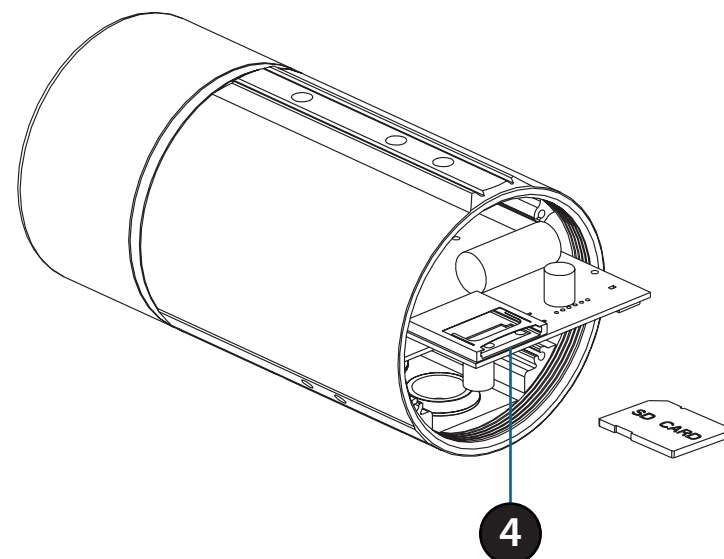
### Step 3

Remove the base of the camera by holding the camera firmly and rotating the base in a counter-clockwise direction.



### Step 4

Insert your SD memory card into the slot with the notch oriented to the front of the camera.

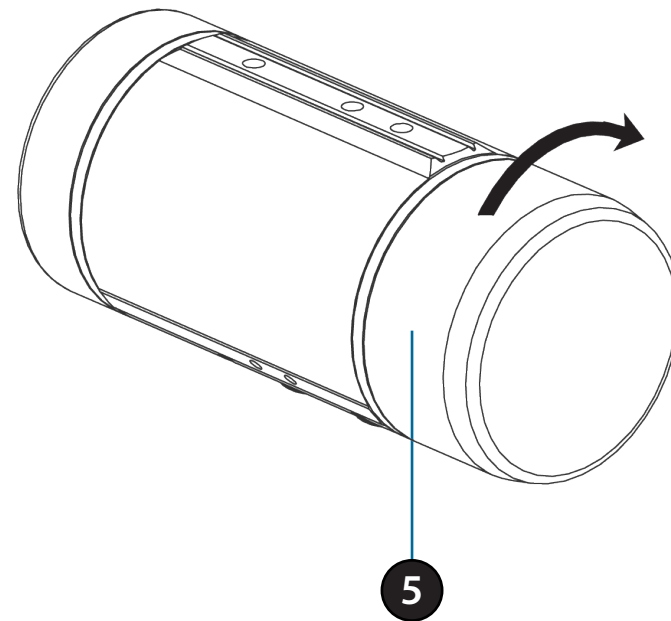


### Step 5

Replace the base of the camera by holding the camera firmly and rotating the base in a clockwise direction ensuring a tight fit. Then attach the sun shield and tighten the two screws.

**Note:** Ensure that the weatherproof seals are secured firmly in place.

**Note:** If you fully extend the top shield, it may be visible in the camera view in the top left and right corners of your video. It is recommended that you always check your camera's video whenever you reposition the camera or adjust the weather shield to ensure that your camera has the best possible view.



## Mounting the Camera

The DCS-7413 is suitable for mounting to a wall using the camera shoe and cable management bracket provided.

### Step 1

Straighten the two sets of cables from the camera side by side.

### Step 2

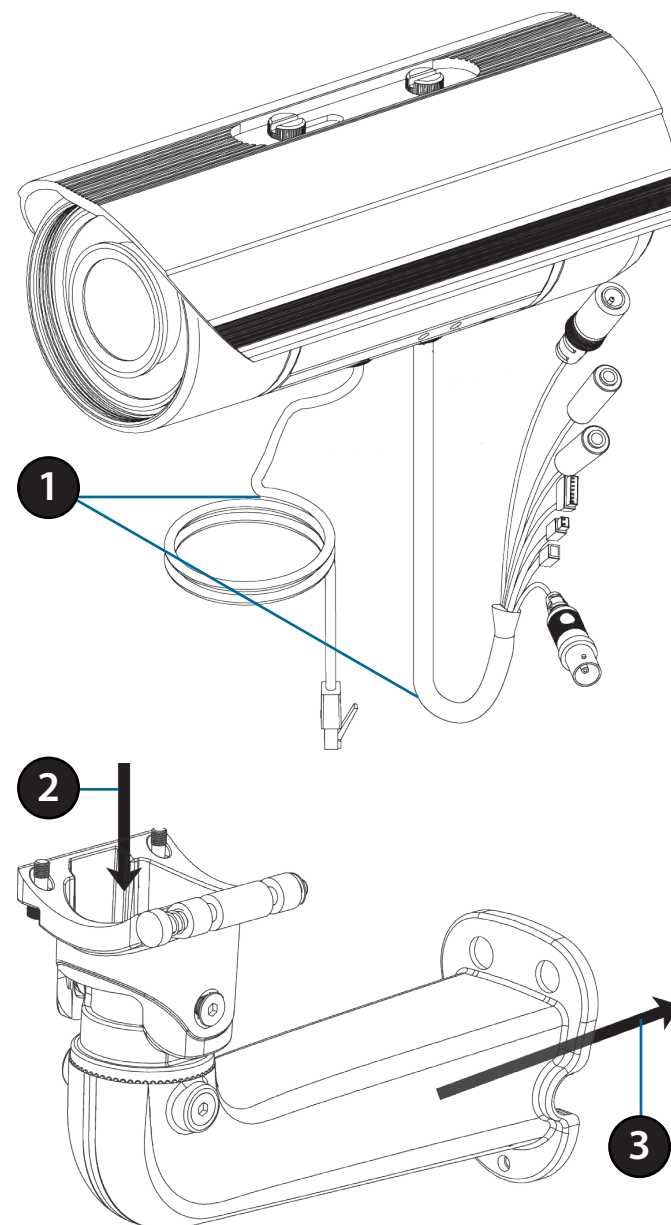
Pass individual cables into the cable management bracket ensuring the head of each has fully passed through the bend.

### Step 3

Once all the cables are in the cable management bracket, push the cable until you are able to pull them through the base of the bracket.

### Step 4

Attach the camera bracket to the cable management bracket following the steps outlined in "Attach Camera to the Cable Management Bracket" on page 17.

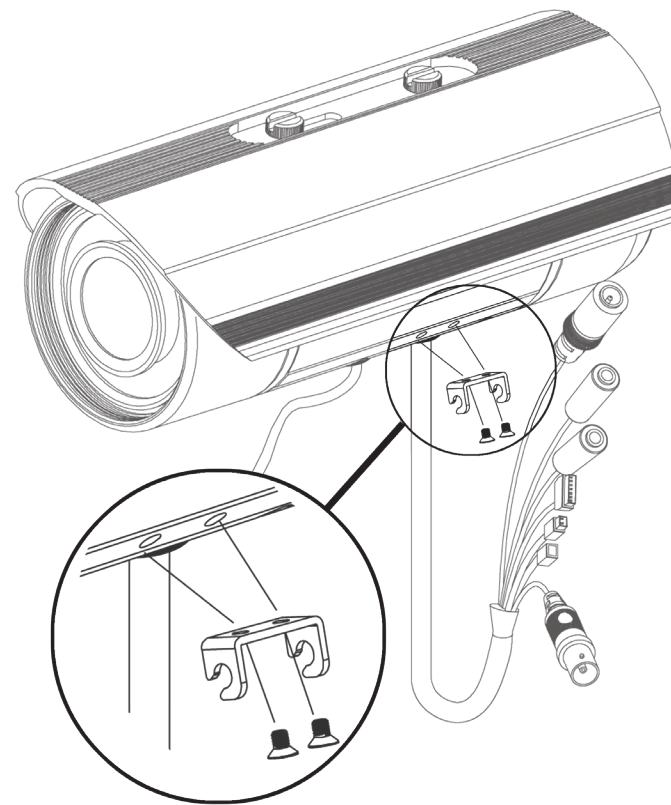


## Attach Camera to the Cable Management Bracket

**Note:** Before attaching the camera to the cable management bracket, ensure the camera shoe is oriented correctly for its final position. For instructions on how to orient the camera shoe skip to "Orienting the Camera" on page 19.

### Step 1

Using the two screws provided attach the quick release retention clip to the underside of the camera.



### Step 2

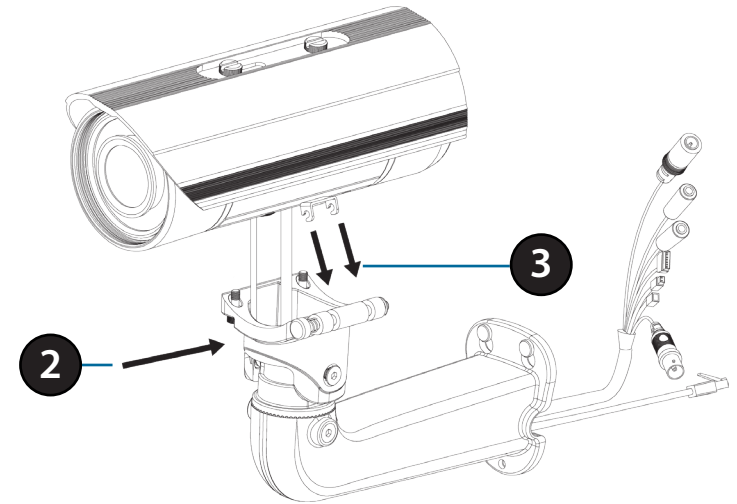
Push the quick release rod to reveal the attachment notches.

### Step 3

Slot the quick release retention clip over the quick release rod.

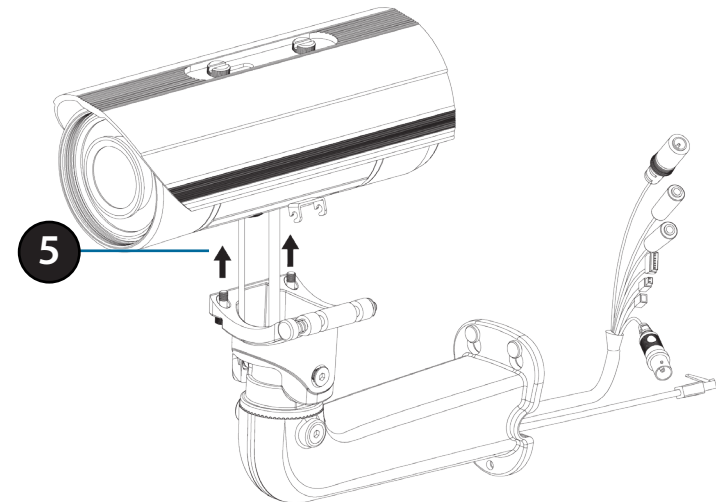
### Step 4

Allow the quick release rod to return.



### Step 5

Using the Allen Wrench provided, tighten the two remaining fixing bolts.



## Orienting the Camera

The DCS-7413 can be adjusted to ensure an optimal viewing position when mounted to a wall by following the steps outlined.

### Step 1

Using the Allen Wrench provided, loosen the adjusting bolts on both sides of the camera shoe. This will allow you to adjust the vertical orientation of the camera.

### Step 2

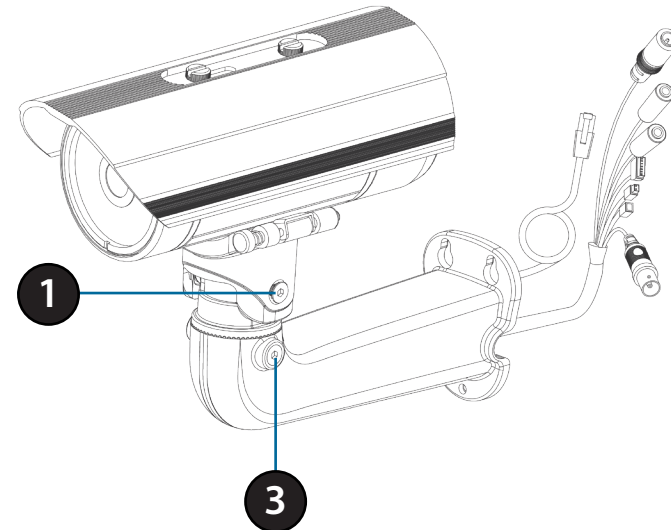
Firmly tighten the adjustment bolts on both sides of the camera shoe.

### Step 3

Using the Allen Wrench provided, loosen the adjusting bolts on both sides of the wire-in bracket. This will allow you to adjust the horizontal orientation of the camera.

### Step 4

Firmly tighten the adjustment bolts on both sides of the cable management bracket.



## Deploying the Camera

**Note:** Before deploying the camera to a fixed location, it is recommended that you take a photo from the desired location to ensure an adequate field-of-view.

### Step 1

Position the Alignment Sticker in the desired location making sure the Camera and the cable management bracket have sufficient space. Use the dimension diagrams in "Dimensions" on page 72 for additional reference.

### Step 2

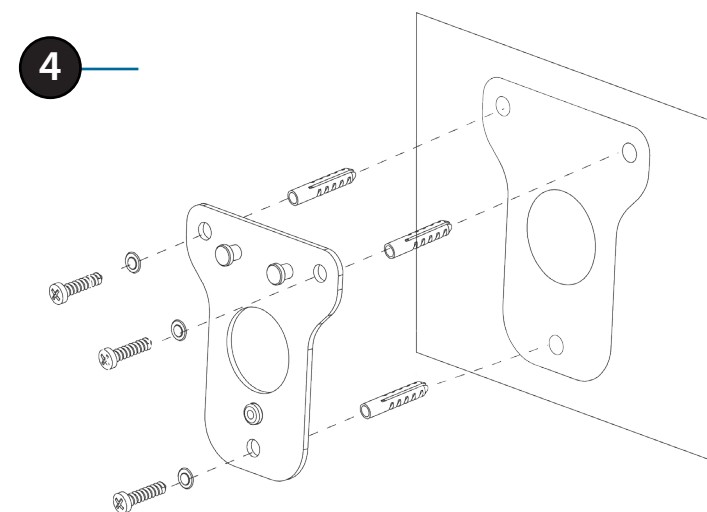
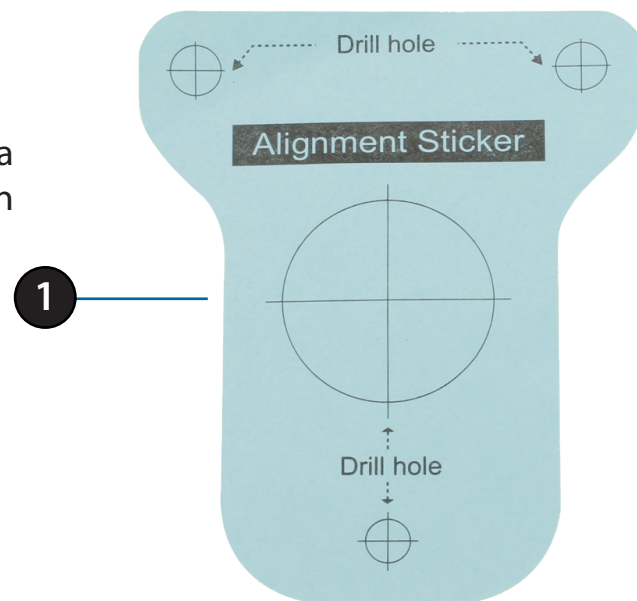
Use a 6mm drill bit to make required holes approximately 30mm deep.

### Step 3

Remove the Alignment Sticker.

### Step 4

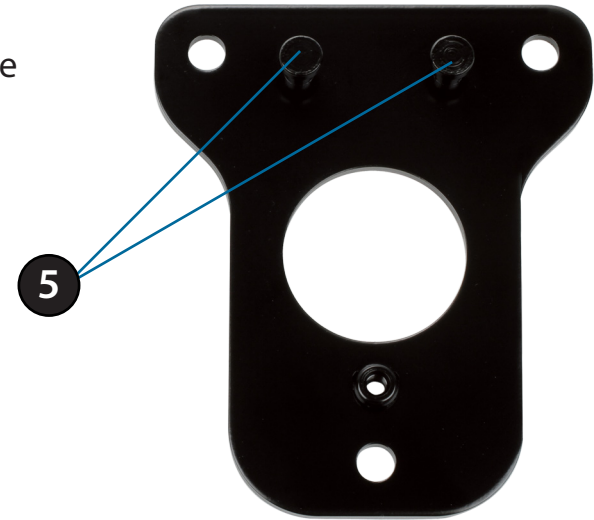
Insert wall anchors and affix the mounting plate using the screws provided.





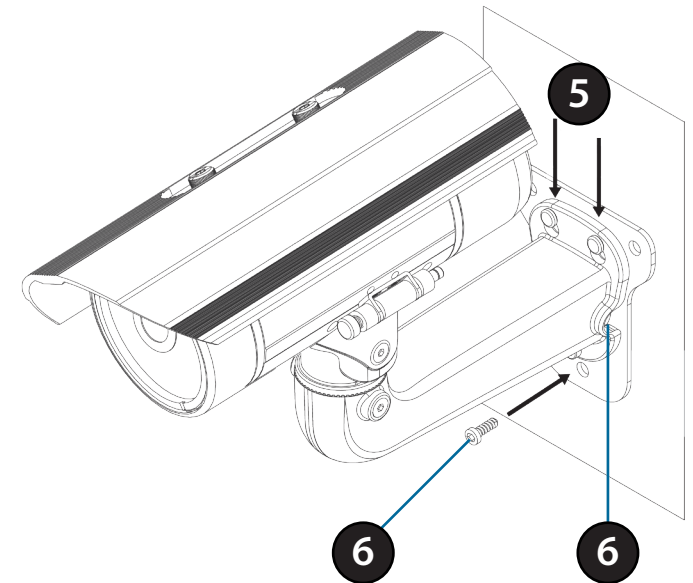
### Step 5

Suspend the camera and cable management bracket from the two lugs on the mounting plate.



### Step 6

Fasten the camera firmly to the mounting plate using the screw provided ensuring clear passage for the cables through the cable channel or via the mounting plate cut-out.



**Note:** To prevent the camera's wire connectors from being damaged by water or other elements:

1. When connecting the camera, the unsheathed part of the wire connectors must either be sealed or enclosed in a junction box.
2. The unsheathed part of the wire connectors should be positioned at a downward-facing angle when they extend out of the rear of the camera, not upward.



## Camera Installation

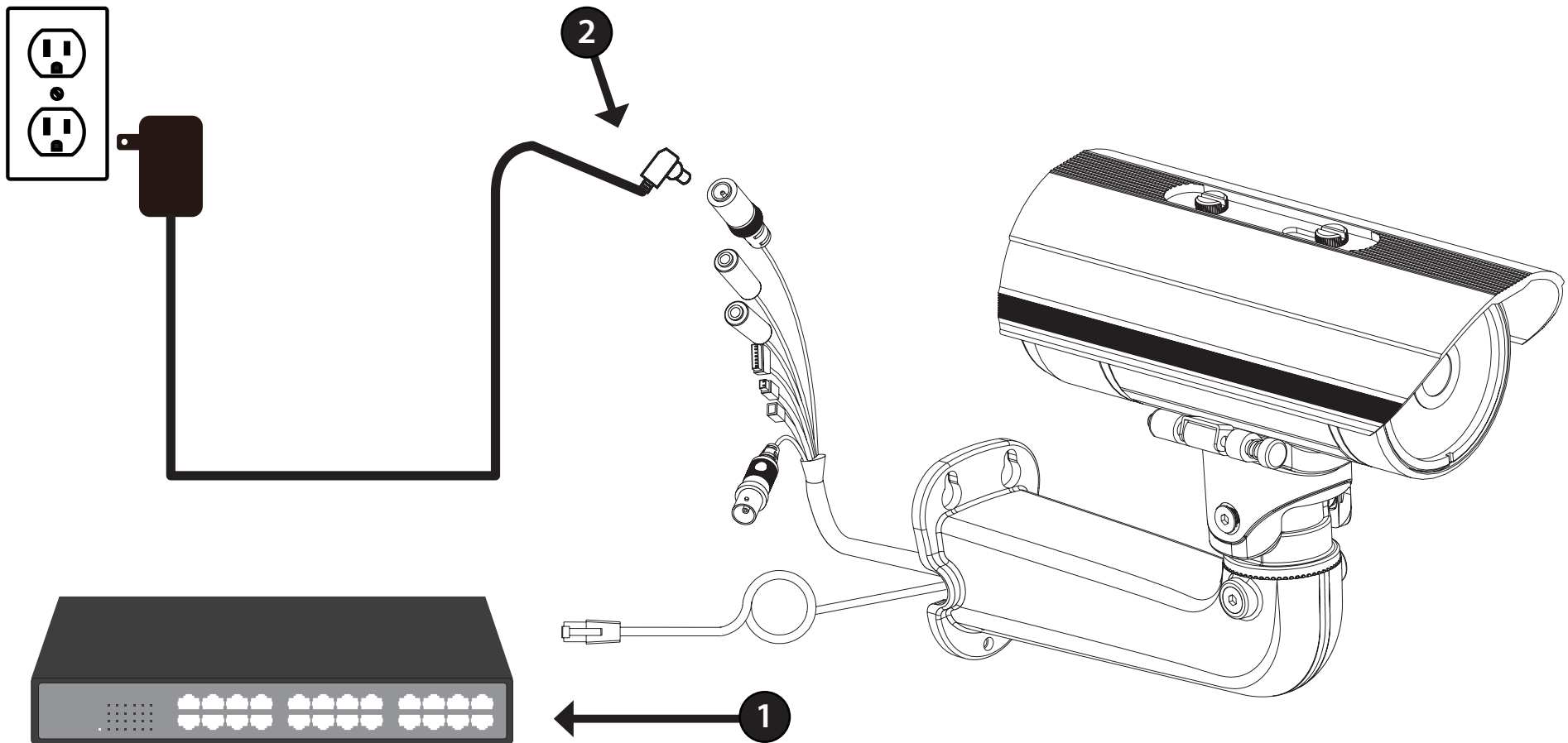
### Connection with 12V DC Power Adapter

#### Step 1

Connect the network camera to a switch or router via an Ethernet cable.

#### Step 2

Connect the supplied power cable from the camera to a power outlet.



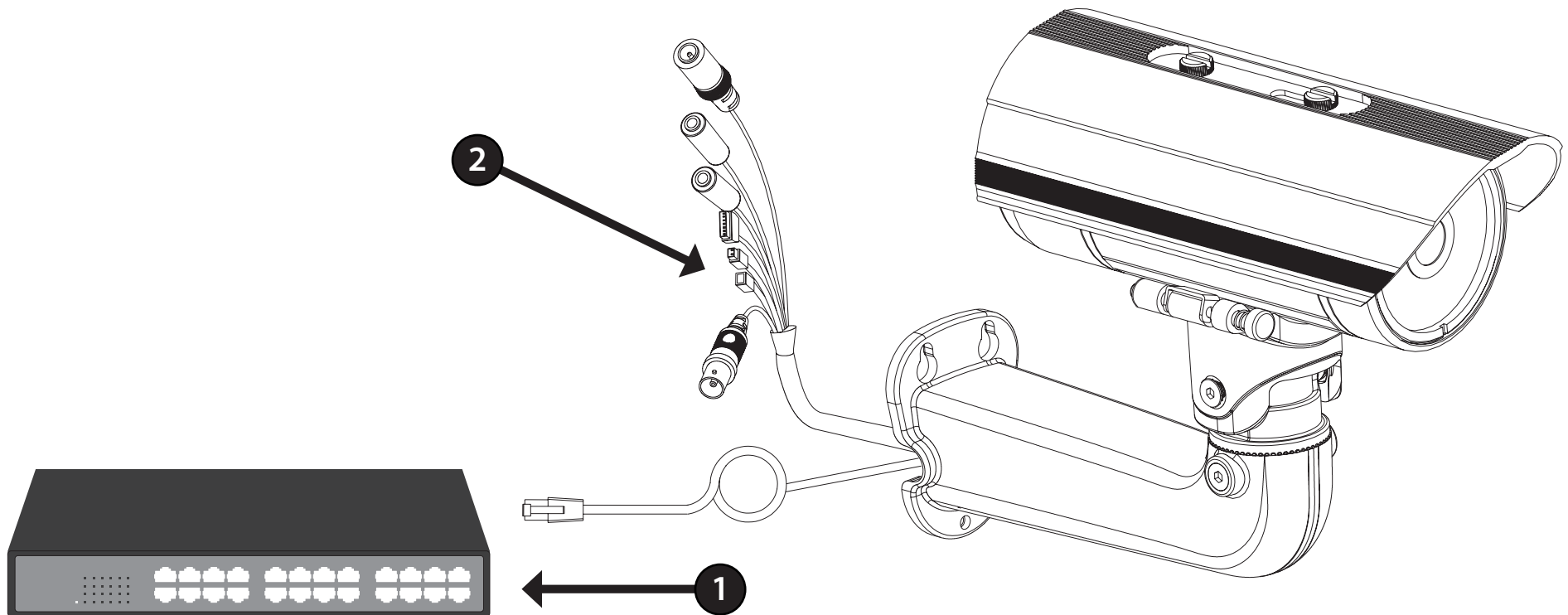
## Connection with 24V AC Power Wiring

### Step 1

Connect the network camera to a switch or router via an Ethernet cable.

### Step 2

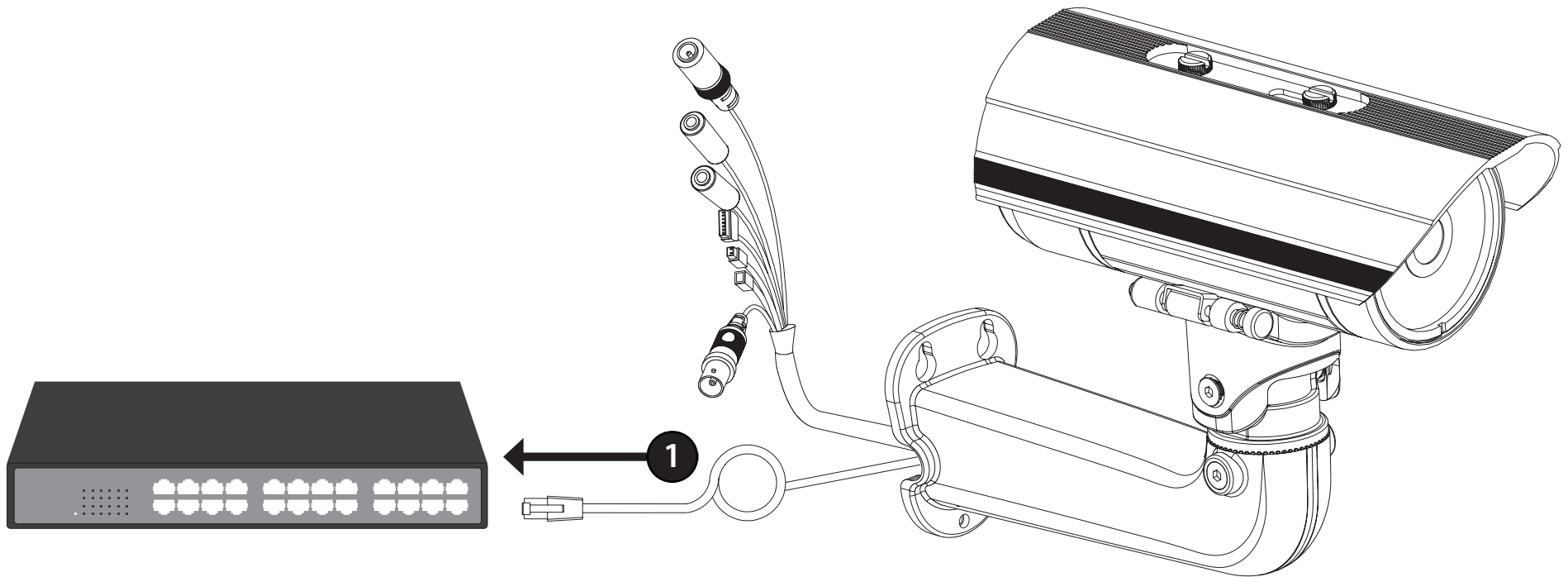
Connect the supplied power cable from the camera to a power source such as your building's emergency power.



## Connection with Power over Ethernet

### 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.



## Software Installation

### Step 1

Insert the Installation CD-ROM into your computer's CD drive to start the autorun program.

The CD-ROM will open the Camera Installation Wizard. The Setup Wizard will guide you through the installation process through to configuring your camera.

#### Note:

If the autorun program does not automatically start on your computer, go to Windows, click **Start** > **Run**. In the Run command box type **D:\autorun.exe**, where D: represents your CD-ROM drive.



### Step 2

Accept the End User Licence Agreement and follow the on-screen prompts to install the Camera Installation Wizard.

### Step 3

Select your camera from the list, then click **Wizard**. If you have multiple cameras, you can identify them by the MAC ID printed on the label on the back of your camera.



### Step 4

By default the **Admin ID** is "admin" and the password is blank.

It is recommended that you create and confirm a password for your device. Click **Next** to continue.



The screenshot shows the 'Set up an Admin ID and Password to secure your camera.' screen. It has a title bar 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 is for the Admin ID, with a 'Change' checkbox, a 'New ID' field, and a 'Reconfirm' field. The second column is for the Password, with a 'Change' checkbox, a 'New Password' field, and a 'Reconfirm' field. At the bottom right, there are three buttons: 'Back' (left arrow), 'Next' (right arrow), and 'Exit' (red square with white 'X').

### Step 5

Select **Static IP** if you want to manually enter the network settings of your camera or **DHCP** if you want your router or DHCP server to automatically assign the camera its network settings. Click **Next** to continue.

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

Click **Next** to continue.



The screenshot shows the 'Set IP Address' screen. It has a title bar 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'. To the right of these buttons are five input fields for network settings: 'IP Address', 'Subnet Mask', 'Default Gateway', 'Primary DNS', and 'Secondary DNS'. At the bottom right, there are three buttons: 'Back' (left arrow), 'Next' (right arrow), and 'Exit' (red square with white 'X').

### Step 6

Confirm your camera login and IP address details, and click **Restart**.

The LED on the front of the DCS-7413 will blink, then turn solid green once it successfully connects to your network.



D-Link Building Networks for People SECURICAM Network

Admin ID:

Password:

IP Address:

Subnet Mask:

Default Gateway:

Primary DNS:

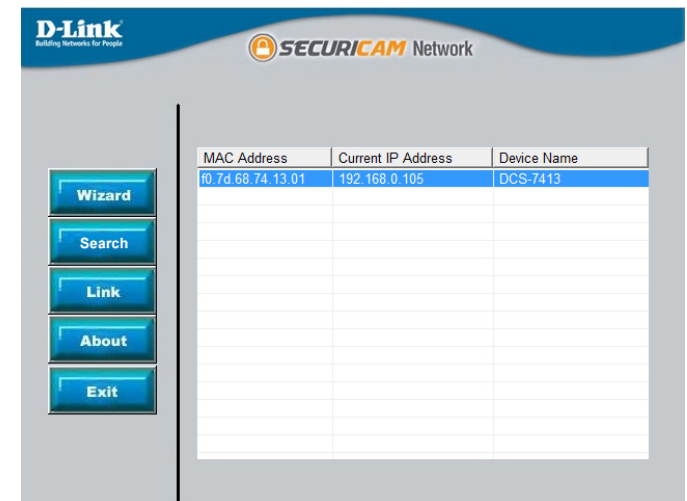
Secondary DNS:

Now you have configured all settings. Please click button 'Restart' to commit the settings to the Internet camera and reboot it. Or, you can click button 'Back' to change the settings again.

[Back](#) [Restart](#)

### Step 7

Your DCS-7413 camera is now set up, Click **Exit** to exit the wizard and skip to "Configuration" on page 29 for advanced configuration of your camera.



D-Link Building Networks for People SECURICAM Network

Wizard  
Search  
Link  
About  
Exit

MAC Address	Current IP Address	Device Name
00 7d 68 74 13 01	192.168.0.105	DCS-7413



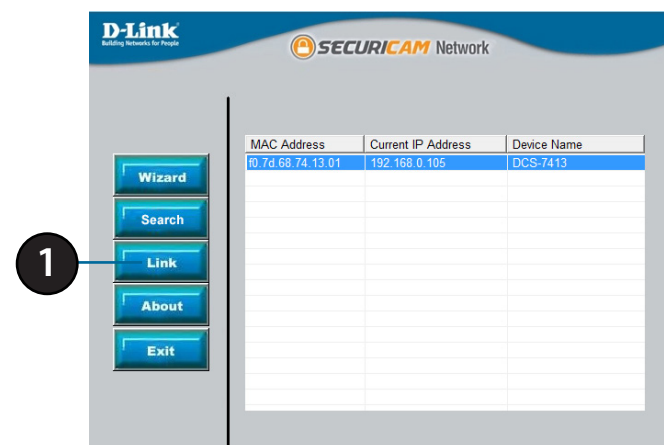
# Configuration

## 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-7413. At the end of the wizard, click **Link**, 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**.

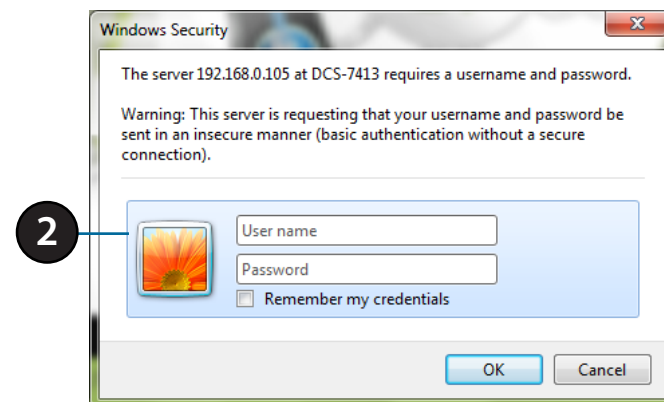
### Step 1

Click the **Link** button on the Wizard.



### Step 2

Enter your credentials to access the configuration interface.










## Live Video

This section displays 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.

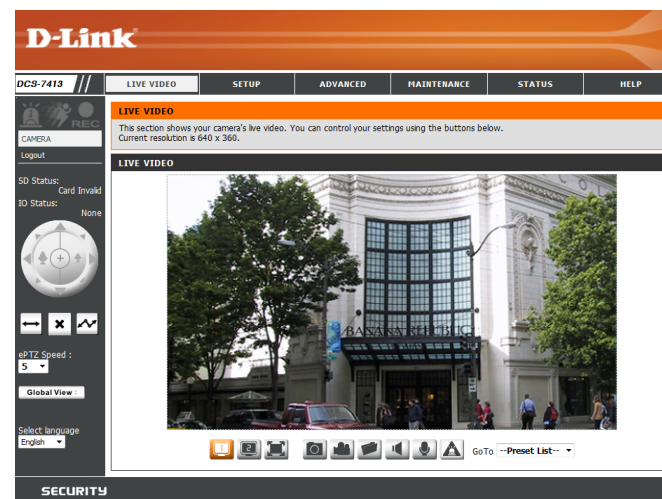
You can zoom in and out on the live video image using your mouse. Right-click to zoom out or left-click to zoom in on the image.

**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."

**IO Status:** This option displays the status of your I/O device if a device has been connected.











	<b>Digital Input Indicator</b>	This indicator will change color (from gray to amber) when a digital input signal is detected.
	<b>Motion Trigger Indicator</b>	This indicator will change color (from gray to amber) when a trigger event occurs.  <b>Note:</b> The video motion feature for your camera must be enabled.
	<b>Recording Indicator</b>	When a recording is in progress, this indicator will change color (from gray to amber).
	<b>Control Pad</b>	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.
	<b>Auto Pan</b>	Starts the automatic panning function. The ROI will pan from back and forth within the FOV
	<b>Stop</b>	Stops the camera ePTZ motion
	<b>Preset Path</b>	Starts the camera's motion along the predefined path

**ePTZ Speed:** You may select a value between 0 and 10. 0 is the slowest and 10 is the fastest.

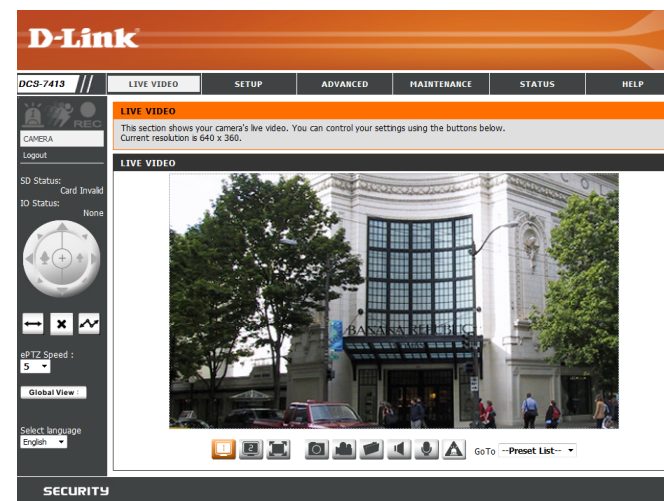


**Global View:** This window indicates the total field of view (FOV) of the camera. The red box indicates the visible region of interest (ROI).

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

- |   |  |
|---|--|
|  Video Profile 1   |  Record a Video Clip                    |
|  Video Profile 2   |  Set a Storage Folder                   |
|  Video Profile 3   |  Listen/Stop Audio In (from microphone) |
|  Full screen mode  |  Start/Stop Audio Out (to speaker)      |
|  Taking a Snapshot |  Start/Stop Digital Output              |

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

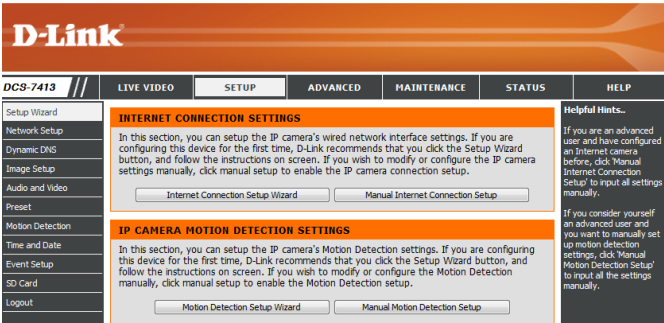


# Setup

## Setup Wizards

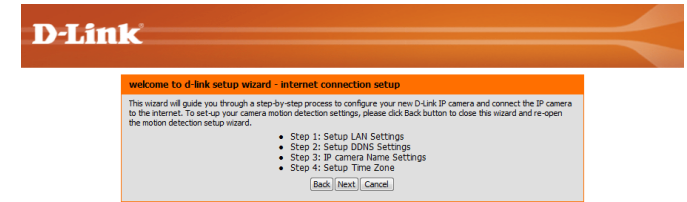
To configure your Network Camera, click **Internet Connection Setup Wizard**. Alternatively, you may click **Manual Internet Connection Setup** to manually configure your Network Camera and skip to "Network Setup" on page 38.

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 48.



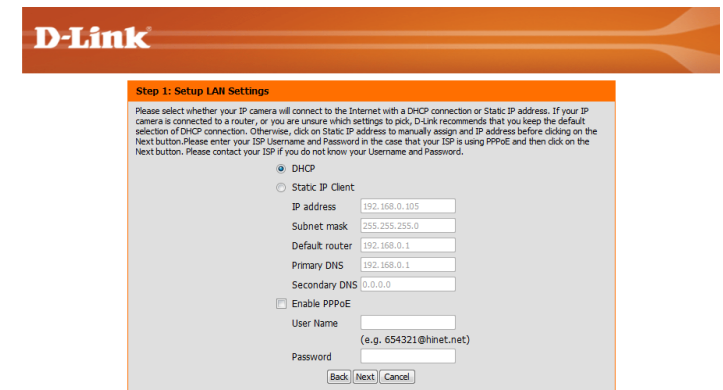
# Internet Connection Setup Wizard

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.



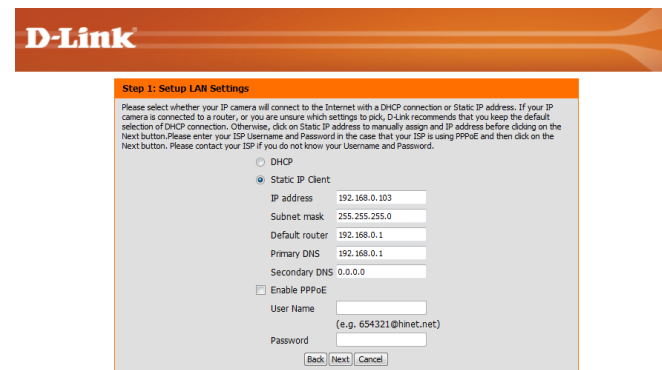
## Section 3: Configuration

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: 192.168.0.103

Subnet mask: 255.255.255.0

Default router: 192.168.0.1

Primary DNS: 192.168.0.1

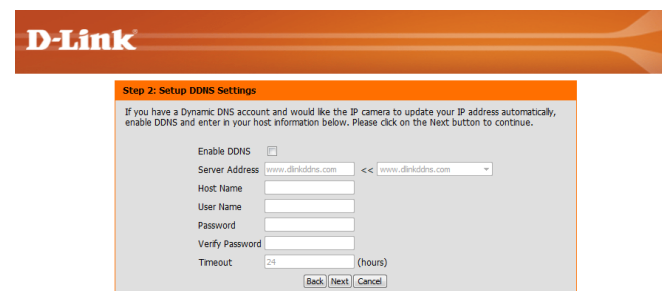
Secondary DNS: 0.0.0.0

☐ Enable PPPoE

User Name: (e.g. 654321@hinet.net)

Password:

Back Next Cancel



**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: www.dlinkddns.com << www.dlinkddns.com

Host Name:

User Name:

Password:

Verify Password:

Timeout: 24 (hours)

Back Next Cancel



**D-Link**

**Step 3: IP camera Name Settings**

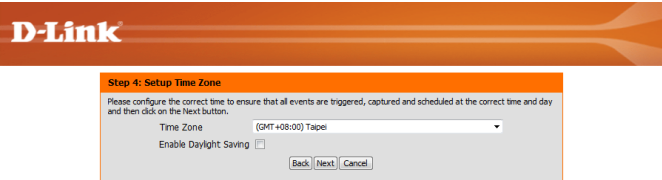
D-Link recommends that you rename your IP camera for easy accessibility. You can then identify and connect to your IP camera via this name. Please assign a name of your choice before clicking on the Next button.

IP camera Name: DCS-7413

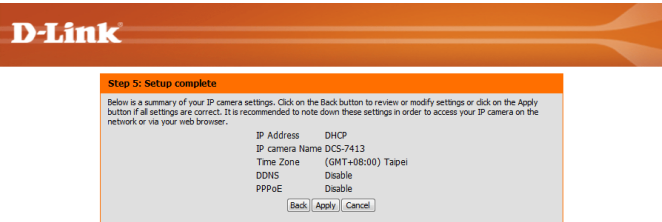
Back Next Cancel

### Section 3: Configuration

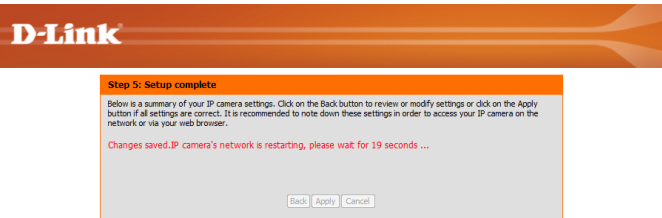
Configure the correct time to ensure that all events will be triggered as scheduled. Click **Next** to continue.



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



The settings will be saved to the DCS-7413 and the camera will restart.



# 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

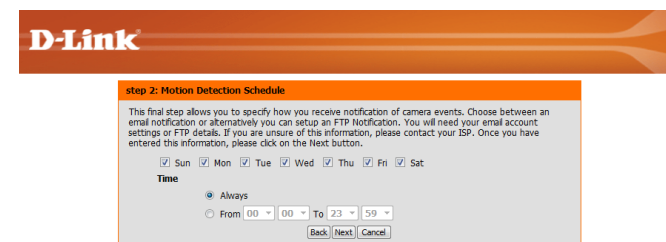
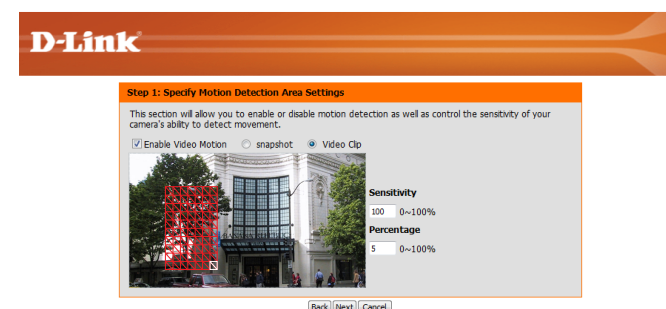
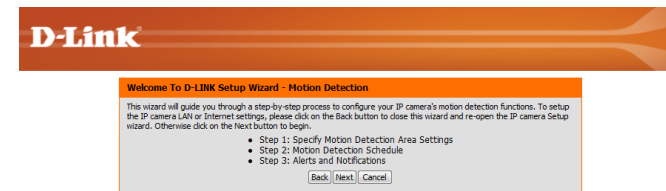
This step will allow you to enable or disable motion detection, specify the detection sensitivity, and adjust the camera's ability to detect movement.

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 "Motion Detection" on page 48 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.



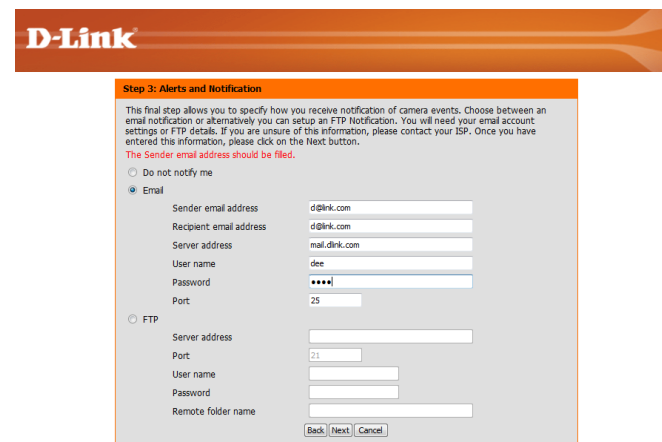


### Step 3

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.



**D-Link**

**Step 3: Alerts and Notification**

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.

The Sender email address should be filled.

☐ Do not notify me

☒ Email

Sender email address: d@link.com

Recipient email address: d@link.com

Server address: mail.dlink.com

User name: dee

Password: \*\*\*\*

Port: 25

☐ FTP

Server address:

Port: 21

User name:

Password:

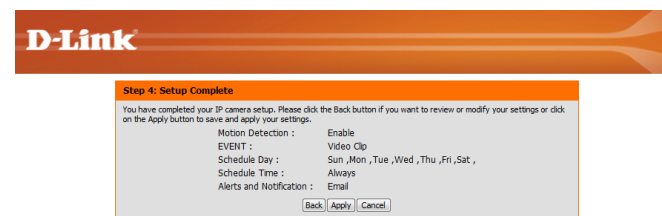
Remote folder name:

Back Next Cancel

### Step 4

You have completed the Motion Detection Wizard.

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



**D-Link**

**Step 4: Setup Complete**

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.

Motion Detection : Enable

EVENT : Video Clip

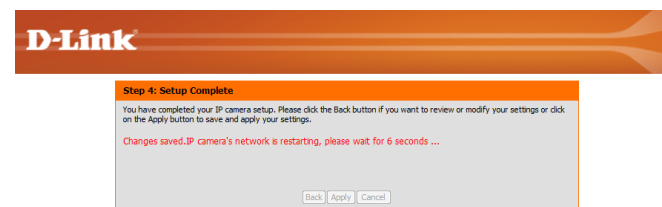
Schedule Day : Sun , Mon , Tue , Wed , Thu , Fri , Sat ,

Schedule Time : Always

Alerts and Notification : Email

Back Apply Cancel

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



**D-Link**

**Step 4: Setup Complete**

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.

Changes saved. IP camera's network is restarting, please wait for 6 seconds ...

Back Apply Cancel

## 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 Gateway:** The gateway used to forward frames to destinations in a different subnet. Invalid gateway settings may cause the failure of transmissions to a different subnet.

**Primary DNS:** The primary 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.

**D-Link**

DCS-7413 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

**NETWORK SETUP**  
You can configure your LAN and Internet settings here.  
[Save Settings] [Don't Save Settings]

**LAN SETTINGS**

- ☒ DHCP
- ☐ Static IP Client
  - IP address: 192.168.0.105
  - Subnet mask: 255.255.255.0
  - Default router: 192.168.0.1
  - Primary DNS: 192.168.0.1
  - Secondary DNS: 0.0.0.0

☒ Enable UPnP presentation  
☐ Enable UPnP port forwarding  
 Forwarding Port: 1024 [Test]  
 Forwarding Status: UPnP forwarding is inactive

**PPPOE SETTINGS**

- ☐ Enable ☒ Disable
- User Name: [ ]
- Password: [ ]
- Confirm password: [ ]
- PPPoE Status: [ ]
- PPPoE is inactive.

**HTTP**

HTTP port: 80  
 Access name for stream1: video1.mjpg  
 Access name for stream2: video2.mjpg

**HTTPS**

HTTPS port: 443

**RTSP**

Authentication: Disable  
 RTSP port: 554  
 Access name for stream1: live1.sdp  
 Access name for stream2: live2.sdp

**QoS SETTINGS**

☐ Enable CoS

VLAN ID: 1 [0-4095]  
 Live video: 0  
 Live audio: 0  
 Event/Alarm: 0  
 Management: 0

**QoS SETTINGS**

☐ Enable QoS

Live video: 0  
 Live audio: 0  
 Event/Alarm: 0  
 Management: 0

**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 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 device(s), such as a mobile phone or PDA.

CoS (Class of Service): CoS is a 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): Priority-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 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 username 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.

**Authentication:** Choose to enable or disable RTSP digest encryption. Digest encryption uses MD5 hashes.

**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.

LAN SETTINGS	
<input checked="" type="radio"/> DHCP	
<input type="radio"/> Static IP Client	
IP address	192.168.0.105
Subnet mask	255.255.255.0
Default router	192.168.0.1
Primary DNS	192.168.0.1
Secondary DNS	0.0.0.0
<input checked="" type="checkbox"/> Enable UPnP presentation	
<input type="checkbox"/> Enable UPnP port forwarding	
Forwarding Port	1024 <input type="button" value="Test"/>
Forwarding Status	UPnP forwarding is inactive

PPPOE SETTINGS	
<input type="radio"/> Enable	<input checked="" type="radio"/> Disable
User Name	<input type="text"/>
Password	<input type="text"/>
Confirm password	<input type="text"/>
PPPoE Status	PPPoE is inactive.

HTTP	
HTTP port	80
Access name for stream1	video1.mjpg
Access name for stream2	video2.mjpg

HTTPS	
HTTPS port	443

RTSP	
Authentication	Disable
RTSP port	554
Access name for stream1	live1.sdp
Access name for stream2	live2.sdp

COS SETTINGS	
<input type="checkbox"/> Enable CoS	
VLAN ID	1 [0~4095]
Live video	0
Live audio	0
Event/Alarm	0
Management	0

**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 stream:** The DCS-7413 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.

### COS SETTINGS

☐ Enable CoS

VLAN ID  [0~4095]

Live video

Live audio

Event/Alarm

Management

### QOS SETTINGS

☐ Enable QoS

Live video

Live audio

Event/Alarm

Management

### IPv6

☐ Enable IPv6

☐ Manually setup the IP address

Optional IP address / Prefix length  /

Optional default router

Optional primary DNS

### MULTICAST

☐ Enable multicast for stream 1

Multicast group address

Multicast video port

Multicast RTCP video port

Multicast audio port

Multicast RTCP audio port

Multicast TTL [1~255]

☐ Enable multicast for stream 2

Multicast group address

Multicast video port

Multicast RTCP video port

Multicast audio port

Multicast RTCP audio port

Multicast TTL [1~255]

## 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:** Select this checkbox to enable the DDNS function.

**Server Address:** Select your Dynamic DNS provider from the drop-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-7413 web interface. The top navigation bar includes links for LIVE VIDEO, SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar lists various setup options: Setup Wizard, Network Setup, Dynamic DNS (selected), 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 information:

**DYNAMIC DNS**

The Dynamic DNS feature allows you to use a domain name that you have purchased (www.yourdomain.com) to access your IP camera with a dynamically assigned IP address. Most broadband Internet service providers assign dynamic (changing) IP addresses. By using a DDNS service, you can enter your domain name to connect to your IP camera no matter what your IP address is.

[Sign up for D-Link's Free DDNS service at www.DLinkDDNS.com.](http://www.DLinkDDNS.com)

Buttons: Save Settings, Don't Save Settings

---

**DYNAMIC DNS SETTING**

Enable DDNS: ☐

Server Address:  <<

Host Name:

User Name:

Password:

Verify Password:

Timeout:  (hours)

Status: Inactive

Buttons: Save Settings, Don't Save Settings

**SECURITY**

**Helpful Hints...**

Dynamic DNS is useful if you have a DSL or Cable service provider that changes your modem IP address periodically. This will allow you to assign a website domain name to your IP camera instead of connecting through an IP address.

## Image Setup

In this section, you may 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 3 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.

**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, and Push Hold.

**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 3 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.

**Contrast:** Adjust this setting to alter the color intensity/strength.


**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.

### 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.

Save

### IMAGE SETTINGS

Mirror	<input type="radio"/> On <input checked="" type="radio"/> Off
Flip	<input type="radio"/> On <input checked="" type="radio"/> Off
Power Line	<input checked="" type="radio"/> 60 Hz <input type="radio"/> 50 Hz
White Balance	Auto
Exposure Mode	Indoor Max Gain 24 dB
Denoise	0
Brightness	128
Contrast	128
Saturation	128
Sharpness	128

Reset Default

## Audio and Video

You may configure up to 3 video profiles with different settings for your camera. Hence, you may 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 / View window area:** Frame size determines the total capture resolution, and View window area determines the Live Video viewing window size. If the Frame size is larger than the Live Video 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 up to 30 fps
4:3	1440 x 1080, 1280 x 960, 1024 x 768, 800 x 600, 640 x 480, 320 x 240, 176 x 144 up to 30 fps

**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, and requires less bandwidth.

**D-Link**

DCS-7413 // 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

**AUDIO AND VIDEO**  
 This section allows you to configure the sound and video of your camera. You can configure different settings depending on whether you are viewing content from a PC or a Mobile Phone / PDA.  
 Save Settings Don't Save Settings

**VIDEO SETTINGS**  
 Number of active profiles: 2  
 Aspect ratio: 16:9 **Warning: Change the aspect ratio will clear the settings of privacy mask and preset and motion detection.**  
 Save Default

**VIDEO PROFILE 1**  
 Mode: H.264  
 Frame size: 640x360  
 View window area: 640x360  
 Maximum frame rate: 15  
 Video quality: Constant bit rate (2M), Fixed quality (Excellent)

**VIDEO PROFILE 2**  
 Mode: JPEG  
 Frame size: 640x360  
 View window area: 640x360  
 Maximum frame rate: 30  
 Video quality: Excellent

**AUDIO SETTINGS**  
☐ Audio in off  
 Audio in gain level: 20dB  
☐ Audio out off  
 Audio out volume level: 10  
 Save Settings Don't Save Settings

**Helpful Hints:**  
 Higher frame size, frame rate and bit rate gives better video quality. At the same time, it requires more network bandwidth.  
 For best viewing results on a mobile phone, we suggest setting the Frame Rate to 15fps and the Bit Rate to 64 kbps.  
 Number of active profiles: Number of profiles that you wish to activate. The maximum profiles are three.  
 Aspect Ratio: An aspect ratio is the ratio between the width and height of an image.  
 Mode: It can be H.264, JPEG or MPEG4. In JPEG mode, the video frames are independent; MPEG4 consumes much less network bandwidth than JPEG, and H.264 can use less bandwidth but better image quality.  
 Frame Size: 7 options exist for the sizes of the video display. It is recommended using 176x144 for mobile viewing and 1024x1080 for computer viewing.  
 View window area: The viewing region of the current video stream.  
 Max frame rate: The maximum number of frames that is displayed in 1 second. 30fps is the highest video quality for this camera. In general, any frame rate above 15 fps is imperceptible to the human eye.  
 Video Quality: This limits the maximal refresh frame rate, which can be combined with the "Fixed quality" to optimize the bandwidth utilization and video quality. If the user wants to fix the bandwidth utilization regardless of the video quality, choose "Constant bit rate" and select the desired bandwidth.  
 Audio Settings: You can use the option to switch the external microphone on/off or adjust the volume.



**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.

**Audio in off:** Selecting this checkbox will mute incoming audio.

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

**Audio out off:** Selecting this checkbox will mute outgoing audio.

**Audio out volume level:** This setting controls the amount of gain applied to outgoing audio to increase its volume.

**D-Link**

DCS-7413 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

**AUDIO AND VIDEO**

This section allows you to configure the sound and video of your camera. You can configure different settings depending on whether you are viewing content from a PC or a Mobile Phone / PDA.

Save Settings Don't Save Settings

**VIDEO SETTINGS**

Number of active profiles: 2

Aspect ratio: 16:9 **Warning: Change the aspect ratio will clear the settings of privacy mask and preset and motion detection.**

Save Default

**VIDEO PROFILE 1**

Mode: H.264

Frame size: 640x360

View window area: 640x360

Maximum frame rate: 15

Video quality: Constant bit rate (2M) Fixed quality (Excellent)

**VIDEO PROFILE 2**

Mode: JPEG

Frame size: 640x360

View window area: 30

Maximum frame rate: 30

Video quality: Excellent

**AUDIO SETTINGS**

☐ Audio in off

Audio in gain level: 20dB

☐ Audio out off

Audio out volume level: 10

Save Settings Don't Save Settings

**Helpful Hints...**

Higher frame size, frame rate and bit rate gives better video quality. At the same time, it requires more network bandwidth.

For best viewing results on a mobile phone, we suggest setting the Frame Rate to 15fps and the Bit Rate to 64 kbps.

**Number of active profiles:** Number of profiles that you wish to active. The maximum profiles are three.

**Aspect Ratio:** An aspect ratio is the ratio between the width and height of an image.

**Mode:** It can be H.264, JPEG, or MPEG4. In JPEG mode, the video frames are independent. MPEG4 consumes much less network bandwidth than JPEG, and H.264 can use less bandwidth but better image quality.

**Frame Size:** 7 options exist for the sizes of the video display. It is recommended using 1920x1080 for computer viewing and 1920x1080 for computer viewing.

**View window area:** The viewing region of the current video stream.

**Max frame rate:** The maximum number of frames that is displayed in 1 second. 30fps is the highest video quality for this camera. In general, any frame rate above 15 fps is imperceptible to the human eye.

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

**Audio Settings:** You can use the option to switch the external microphone on/off or adjust the 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, and 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 0 and 10. 0 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.



**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 to view that preset for.

You can rearrange your presets in the sequence by selecting a preset in the sequence, 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 the 'PRESET CONTROL' interface, which is divided into three main sections:

- PRESET CONTROL (Top):** Features a live video feed of a street scene. To the right of the feed are two dropdown menus: 'VIDEO PROFILE : 1' and 'ePTZ Speed : 5'. Below these are five navigation buttons: a left arrow, an up arrow, a home icon, a right arrow, and a down arrow.
- PRESET (Middle):** Contains an 'Input Preset Name :' text box with 'Add' and 'Rename' buttons. Below this is a 'Preset List :' dropdown menu showing '--Preset List--', with 'GoTo' and 'Remove' buttons. A red note indicates 'Support(0~9,A~Z,a~z,-,\*,/,\_)'. The 'Add' button is highlighted.
- PRESET SEQUENCE (Bottom):** Shows 'Preset Name : Dwell time' above a large empty box. To the right of the box are three buttons: an up arrow, a trash can icon, and a down arrow. Below the box is a 'Preset List :' dropdown menu showing '--Preset List--' with an 'Add' button. At the bottom, there is a 'Dwell time : 10' input field with an 'Update' button. A red note indicates 'Second(s)[3~30]'.

## 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 is 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).

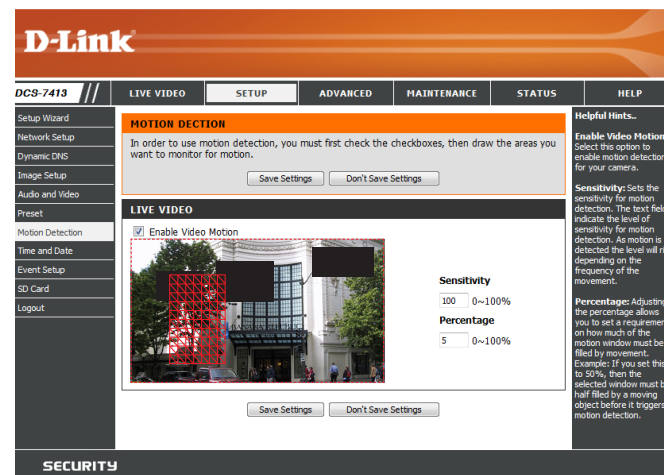
**Erase Motion Area:** To erase a motion detection area, simply click on the red square that you wish to remove.

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 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-7413 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.

The screenshot shows the D-Link DCS-7413 web interface. The top navigation bar includes links for LIVE VIDEO, SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar lists various setup options: Setup Wizard, Network Setup, Dynamic DNS, Image Setup, Audio and Video, Preset, Motion Detection, Time and Date (selected), Event Setup, SD Card, and Logout.

The main content area is titled "TIME AND DATE" and contains the following sections:

- TIME CONFIGURATION:**
  - Time Zone: (GMT+08:00) Taipei
  - Enable Daylight Saving: ☒ (checked)
  - Auto Daylight Saving: ☒ (checked)
  - Set date and time manually: ☐ (unchecked)
  - Offset: +2:00
  - Start time: Month 5, Week 1, Day of week Sunday, Hour 00, Minutes 00
  - End time: Month 10, Week 1, Day of week Sunday, Hour 00, Minutes 00
- AUTOMATIC TIME CONFIGURATION:**
  - Synchronize with NTP Server: ☒ (checked)
  - NTP Server: ntp.dlink.com.tw
- SET DATE AND TIME MANUALLY:**
  - Set date and time manually: ☒ (checked)
  - Year: 2011, Month: 1, Day: 1
  - Hour: 0, Minute: 20, Second: 19
  - Copy Your Computer's Time Settings:

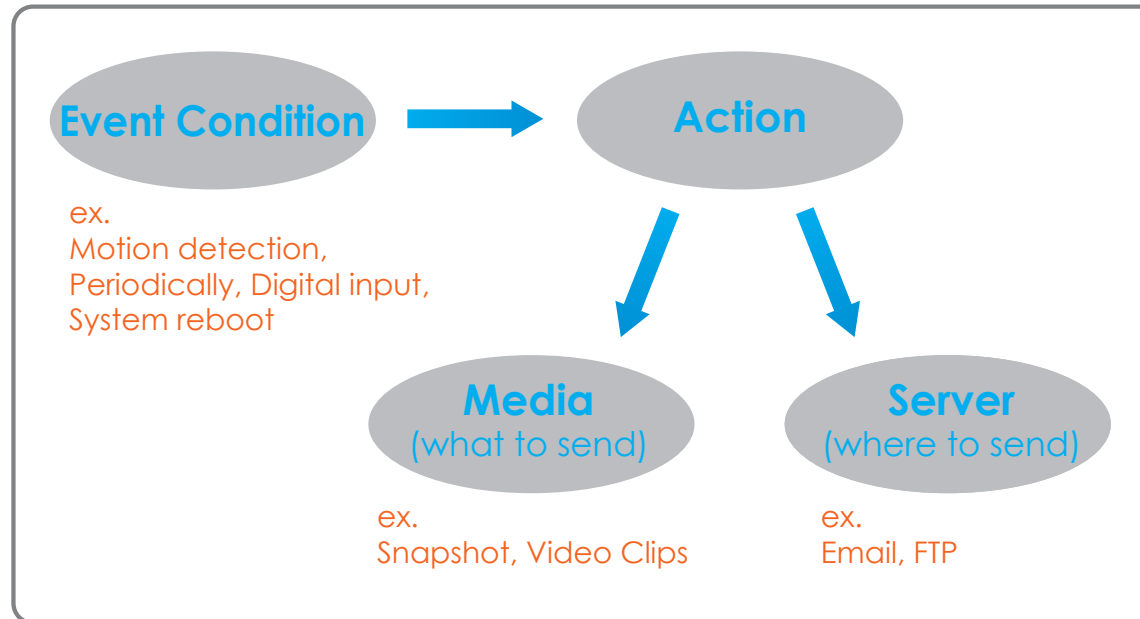
Buttons at the bottom include "Save Settings" and "Don't Save Settings".

**Helpful Hints:**

- 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-7413 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 4 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 the selected item from the drop-down menu of event, server or media, click **Delete**.
3. Click on the item name to pop-up a window for modifying.

**D-Link**

DCS-7413 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

**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
Server1	Email	mail.dlink.com

Add Server1 Delete

**MEDIA**

Media freespace: 6700KB

Name	Type	Source
Media1	Video clip	Profile 1

Add Media1 Delete

**EVENT**

Name	Status	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Time	Trigger
Event1	ON	V	V	V	V	V	V	V	00:00~23:59	Motion

Add Event1 Delete

**RECORDING**

Name	Status	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Time	Source	Destination

Add 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.

## Add Server

You can configure up to 5 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-7413 // 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

☐ This server requires a secure connection (StartTLS)

☐ **FTP**

Server address

Port

User name

Password

Remote folder name

☐ Passive mode

☐ **Network storage**

Network storage location

(for example: \\my\_nas(disk)/folder)

Workgroup

User name

Password

Primary WINS 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.



## 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.

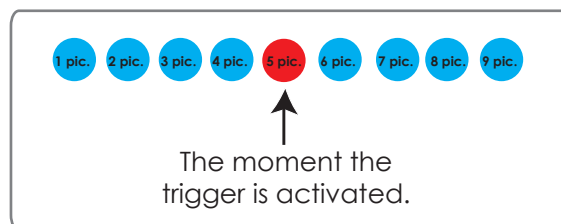
**Source:** Set the video profile to use as the media source. Refer to **Audio and Video** on "Audio and Video" on page 44 for more information on video profiles.

**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 7 post-event images to be taken.

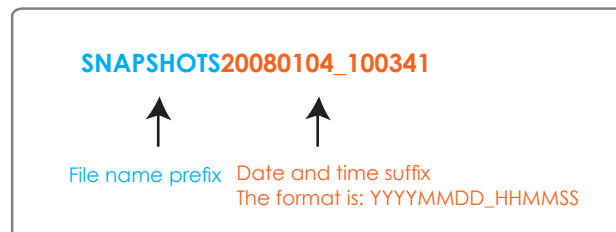
For example:

If both the Send pre-event images and Send post-event images are set to four, a total of 9 images are generated after a trigger is activated.



The screenshot shows the D-Link DCS-7413 web interface. The 'MEDIA' tab is selected, displaying the 'MEDIA TYPE' configuration. The 'Snapshot' radio button is chosen. The 'Media name' field is empty. The 'Source' is set to 'Profile 1'. The 'Send' field for pre-event images is set to 1, and for post-event images, it is also set to 1. The 'File Name Prefix' field is empty, and the 'Add date and time suffix to file name' checkbox is unchecked. The 'Save Settings' and 'Don't Save Settings' buttons are at the bottom. The right sidebar contains 'Helpful Hints...' for the 'Media name', 'Snapshot', 'Send Pre-event images', 'Send Post-event images', 'File name prefix', 'Add date and time suffix to file name', 'Video clip', and 'Pre-event recording' settings.

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



**Add date and time suffix to file name:** Check this to add timing information as 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 44 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 4 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.

**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.

**D-Link**

DCS-7413 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

**MEDIA**

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

Save Settings Don't Save Settings

**MEDIA TYPE**

Media name:

☒ Snapshot

Source: Profile 1

Send 1 pre-event image(s) [0~4]

Send 1 post-event image(s) [0~7]

File Name Prefix:

☐ Add date and time suffix to file name

☐ Video Clip

Source: Profile 1

Pre-event recording:  Second(s) [0~4]

Maximum duration:  Second(s) [1~100]

Maximum file size:  Kbytes [100~5000]

File Name Prefix:

☐ System log

Save Settings Don't Save Settings

**Helpful Hints...**

**"Media name"** The unique name for media. There are three kinds of media. They are snapshot, video clip and system log.

**Snapshot:**

- "Source" The source of profile, profile1 or profile2.
- "Send Pre-event images" The number of pre-event images.
- "Send Post-event images" The number of post-event images.
- "File name prefix" The prefix name will be added on the file name of the snapshot images.

**"Add date and time suffix to file name"** Check it to add timing information as file name suffix.

**Video clip:**

- "Source" The source of profile, profile1 or profile2.
- "Pre-event recording" The interval of pre-event recording in seconds. There are two limitations for video clip file.
- "Maximum duration" The maximal recording file duration in seconds.
- "Maximum file size" The maximal file size would be generated.

## Add Event

Create and schedule up to 3 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.

**Digital Input:** The external trigger input to the camera.

**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.

**Server:** Specify the location where the event information should be saved to.

**D-Link**

DCS-7413 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

**EVENT**

You can set at most 3 events like motion detection or digital input trigger here and arrange the detection schedule at the same time.

Save Settings Don't Save Settings

**EVENT**

Event name:

☐ Enable this event

Priority: normal

Delay for 10 seconds before detecting next event [For motion detection and digital input]

**TRIGGER**

☒ Video motion detection

☐ Periodic

Trigger every 1 minutes

☐ Digital input

☐ System boot

☐ Network lost

**EVENT SCHEDULE**

☒ Sun ☒ Mon ☒ Tue ☒ Wed ☒ Thu ☒ Fri ☒ Sat

Time

☒ Always

☐ From 00:00 To 23:59

**ACTION**

☐ Trigger D/O for 1 seconds

☐ Server1

Attached media: Media1

Save Settings Don't Save Settings

**Helpful Hints.**

**Priority:** The event with higher priority will be executed first.

**Delay second(s) before detecting next event:** The delay to check next event. It is used in motion detection and digital input trigger type.

**Video motion detection:** Select the windows which need to be monitored.

**Periodic:** The event is triggered in specified intervals. The unit of trigger interval is minute.

**Digital input:** The event is triggered when the DI status changed by external device.

**System boot:** The event is triggered when the system boot up.

**Network lost:** The event is triggered when the network service is not available or disconnection.

**Sun ~ Sat:** Select the days of the week to perform the event.

**Time:** show "Always" or input the time interval.

The default action are triggering DO and storing media on SD card. If there are servers configured, the user can select them from "Server name", too.

**Trigger DO:** Check it to trigger digital output for specific seconds when event is triggered.

**Note:** Please Format SD card before use. The entire data in the SD card will be erased after formatting.

## 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:** Scheduling the recording entry.

**Recording settings:** Configuring the setting for the recording.

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

**Total cycling recording size:** Please input a 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, and it is better to not save other files in the same folder as recording files.

**D-Link**

DCS-7413 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

**RECORDING**

You can setup schedule recording to network storage with your specify week day and time period.

Save Settings Don't Save Settings

**RECORDING**

Recording entry name:

☐ Enable this recording

Priority: normal

Source: Profile 1

**RECORDING SCHEDULE**

☒ Sun ☒ Mon ☒ Tue ☒ Wed ☒ Thu ☒ Fri ☒ Sat

Time

☒ Always

☐ From 00:00 To 23:59

**RECORDING SETTINGS**

Destination: None

Total cycling recording size: 1000 Mbytes [200~2000000]

☒ Size of each file for recording: 10 Mbytes

☐ Time of each file for recording: 10 seconds

File Name Prefix:

Save Settings Don't Save Settings

**Helpful Hints...**

**Recording:** Enable this option if you want to upload the recording to a shared folder on the network.

**Recording schedule:** Select the day(s) according to when you want the IP camera to make a video clip.

**Always:** This enables the IP camera to make video clips continuously.

**From:** The time range specified for the video clip.

**Total cycling recording size:** Please input the network path of your network storage, it will be "UNC\\PC\\CamRecord". If the network storage need authentication, please enter your user name and password here.

**Note:** Please Format SD card before use. The entire data in the SD card will be erased after formatting.

**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).

The screenshot displays the D-Link DCS-7010L web interface. The top navigation bar includes tabs for LIVE VIDEO, SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar lists various setup options: 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 'RECORDING' and contains the following sections:

- RECORDING**: A message stating 'You can setup schedule recording to network storage with your specify week day and time period.' with 'Save Settings' and 'Don't Save Settings' buttons.
- RECORDING**: A section for configuring recording parameters.
  - Recording entry name:** A text input field.
  - ☐ Enable this recording
  - Priority:** A dropdown menu set to 'normal'.
  - Source:** A dropdown menu set to 'Profile 1'.
- RECORDING SCHEDULE**: A section for defining the recording schedule.
  - Days: Checkboxes for Sun, Mon, Tue, Wed, Thu, Fri, and Sat, all of which are checked.
  - Time**:
    - ☒ Always
    - ☐ From: [00] [00] To: [23] [59]
- RECORDING SETTINGS**: A section for recording storage and file format settings.
  - Destination:** A dropdown menu set to 'None'.
  - Total cycling recording size: 1000 Mbytes [200~2000000]
  - ☒ Size of each file for recording: 10 Mbytes
  - ☐ Time of each file for recording: 10 seconds
  - File Name Prefix:** A text input field.

On the right side of the interface, there is a 'Helpful Hints...' section with the following text:

- Recording:** Enable this option if you want to upload the recording to a shared folder on the network.
- Recording schedule:** Select the day(s) according to when you want the IP camera to make a video clip.
- Always:** This enables the IP camera to make video clips continuously.
- From:** The time range specified for the video clip.
- Total cycling recording size:** Please input the network path of your network storage, it will be like '192.168.1.100/Record/'. If the network storage need authentication, please enter your user name and password here.
- Note:** Please Format SD card before use. The entire data in the SD card will be erased after formatting.

# SD Card

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

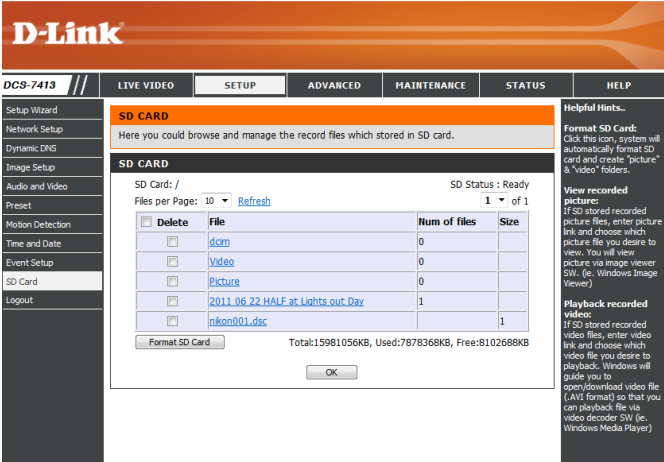
**Format SD Card:** Click this icon to automatically format the SD card and create "picture" & "video" folders.

**Note:** This camera currently supports SDXC cards up to 64GB and in FAT32 format only.

**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.



## Advanced Digital Input/Output

This screen allows you to control the behavior of digital input and digital output devices. The I/O connector provides the physical interface for digital output (DO) and digital input (DI) that is used for connecting a variety of external alarm devices such as IR-Sensors and alarm relays. The digital input is used for connecting external alarm devices and once triggered images will be taken and e-mailed. After making any changes, click the **Save Settings** button to save your changes.

**Select D/I or D/O Mode:** The camera will send a signal when an event is triggered, depending upon the type of device connected to the DI circuit.

N.C. stands for **Normally Closed**. This means that the normal state of the circuit is closed. Therefore events are triggered when the device status changes to "Open."

N.O. stands for **Normally Open**. This means that the normal state of the circuit is open. Therefore events are triggered when the device status changes to "Closed."

**LED:** You may specify whether or not to illuminate the status LED on the camera.

**Video Output:** Enable/ disable the BNC terminal TV output signal.



## ICR and IR

Here you can configure the ICR and IR settings. An IR(Infrared) Cut-Removable(ICR) filter can be disengaged for increased sensitivity in low light environments.

**Automatic:** The Day/Night mode is set automatically. Generally, the camera uses Day mode and switches to Night mode when needed.

**Day Mode:** Day mode enables the IR Cut Filter.

**Night Mode:** Night mode disables the IR Cut Filter.

**Schedule Mode:** Set up the Day/Night mode using a schedule. The camera will enter Day mode at the starting time and return to Night mode at the ending time.

**IR Light Control:** The camera can enable or disable the IR (infrared) light according to your preferences. This setting provides additional controls depending on your specific application.

**Off:** The IR light will always be off.

**On:** The IR light will always be on.

**Sync:** The IR light will turn on when the ICR sensor is on.

**Schedule:** The IR light will turn on or off according to the schedule that you specify below.

**D-Link**

DCS-7413 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

**ICR AND IR**

An IR(Infrared) Cut-Removable(ICR) filter can be disengaged from the image path for increased sensitivity in low light environments. The ICR filter will automatically engage depending on the ambient light, allowing the camera to be effective in day/night environments.  
1. Select the Day/Night from the radio button. The available options are Automatic, Schedule mode, Day mode and Night mode.  
2. The default value is Automatic.

**IR Light**  
The built-in IR light illuminators will be activated automatically or manually so as to supplement the low light situation without additional equipment.

Save Settings Don't Save Settings

**ICR**

Removable IR-Cut filter trigger condition:

☒ Automatic Sensitivity: Medium: <20lux over 30 lux Refresh

☐ Day mode

☐ Night mode

☐ Schedule mode

Day mode(24hr)  
From 07:00 To 18:00

**IR LIGHT**

IR Light Control: Medium: 20m

☐ Off

☐ On

☒ Sync. With ICR

☐ Schedule

IR Light Control On(24hr)  
From 07:00 To 18:00

Save Settings Don't Save Settings

**Helpful Hints...**

**ICR and IR:**  
**Automatic:** The day/night mode is set automatically. It is normally set in the Day mode and changes to the Night mode in a dark place.  
**Day mode:** The Day mode means disable the IR Cut Filter.  
**Night mode:** The Night mode means enable the IR Cut Filter.  
**Schedule mode:** Set the Day/Night mode using the schedule. Fill in the time so the Day/Night mode is normally set to Day mode and it enters the Day mode at the start time and returns to the Night mode at the end time.  
**IR Light Control:** In poor light conditions, open IR Light Control to automatically turn on the light to enable you to take clear pictures. The IR Light Control has 4 options: Off, On, Sync. with ICR, and Schedule. Off: This option disable the IR Light Control. On: This option automatically opens the IR Light Control to enable a camera to take clear images in poor light conditions. Sync. with ICR: In this option, the IR Light Control will open automatically and follow the ICR setting. Schedule: In this option, you have to customize the setting to set the time period you want. Please set the Start time and the End time of your chosen schedule.



# 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.

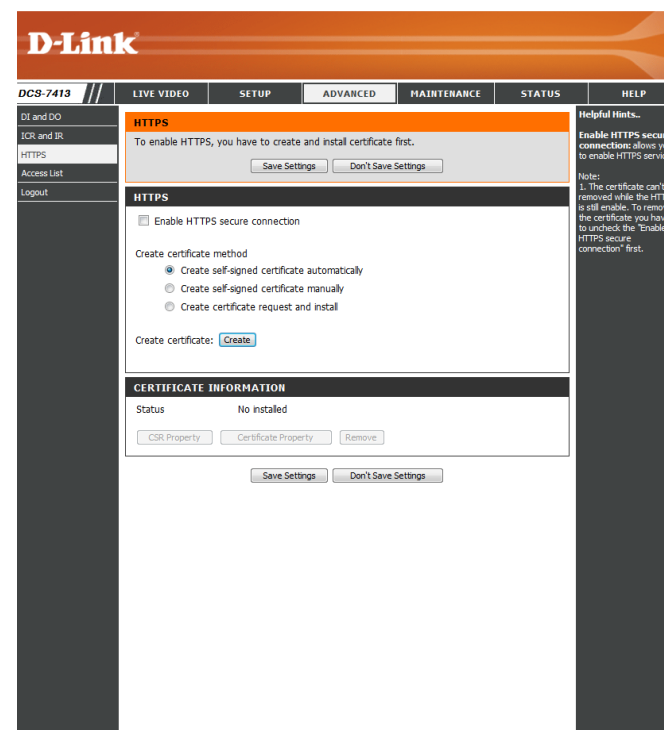
**Enable HTTPS Secure Connection:** Enable the HTTPS service.

**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-7413.

**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.

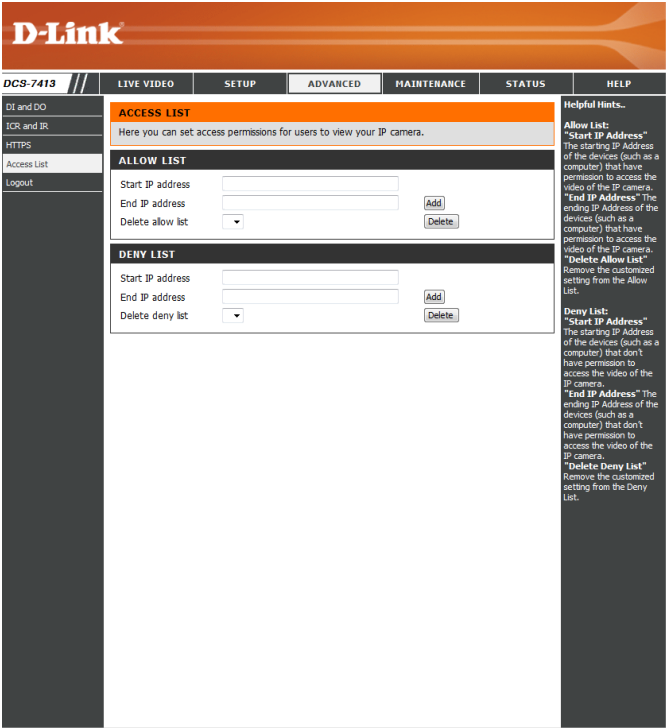
**End IP address:** The ending IP Address of the devices (such as a computer) that have permission to access the video of the camera.

**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 Delete 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

You may 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, but you may want to reserve at least one as a guest account.

**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 displays the D-Link DCS-7413 web interface. The top navigation bar includes tabs for LIVE VIDEO, SETUP, ADVANCED, MAINTENANCE (selected), STATUS, and HELP. The left sidebar shows a menu with Admin, System, Firmware Upgrade, and Logout. The main content area is titled 'ADMIN' and contains several sections: 'ADMIN PASSWORD SETTING' with fields for New Password and Retype Password (63 characters maximum), 'ADD USER ACCOUNT' with fields for User Name (20 users maximum), New Password, and Retype Password (63 characters maximum), 'USER LIST' with a dropdown menu and a Delete button, and 'DEVICE SETTING' with fields for IP camera Name, Label (63 characters maximum), and a checkbox for Show time (checked). A 'Save' button is located at the bottom of the Device Setting section. A 'Helpful Hints...' sidebar on the right provides additional information about enabling OSD and changing the administrator password.

# System

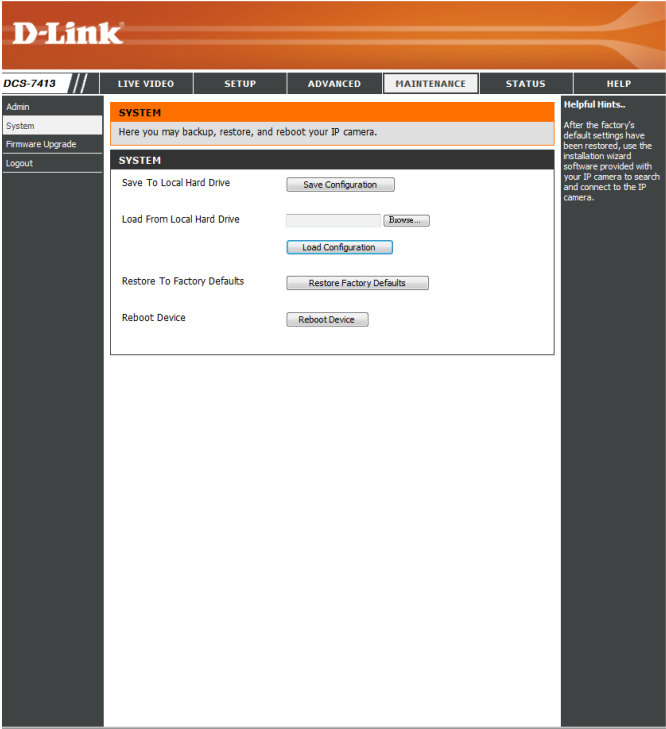
In this section, you may backup, restore and reset the camera configuration, or reboot the camera.

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

**Local 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 Default:** 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-7413, 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:** Uploads the new firmware to your camera.

**D-Link**

DCS-7413 // LIVE VIDEO SETUP ADVANCED MAINTENANCE STATUS HELP

Admin  
System  
Firmware Upgrade  
Logout

**FIRMWARE UPGRADE**

A new firmware upgrade may be available for your IP camera. It is recommended to keep your IP camera firmware up-to-date to maintain and improve the functionality and performance of your internet IP camera. Click here [D-Link Support Page](#) to check for the latest firmware version available.

To upgrade the firmware on your IP camera, 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. Once you have found and opened the file using the browse button, click the "Upload" button to start the firmware upgrade.

**FIRMWARE INFORMATION**

Current Firmware Version: 1.00.00  
Current Product Name: DCS-7413

**FIRMWARE UPGRADE**

File Path:

**Helpful Hints...**

Firmware upgrade are released periodically to improve the functionality of your IP camera and also to add new features. If you run into a problem with a specific feature of the IP camera, check our support site by clicking [here](#) to check for an upgrade and see if updated firmware is available for your IP camera.

## Status Device Info

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

The screenshot shows the D-Link DCS-7413 web interface. The top navigation bar includes links for LIVE VIDEO, SETUP, ADVANCED, MAINTENANCE, STATUS (selected), and HELP. The left sidebar contains links for Device Info (selected), Log, and Logout. The main content area is titled 'DEVICE INFO' and contains a message: 'All of your network connection details are displayed on this page. The firmware version is also displayed here.' Below this is a table of network information.

INFORMATION	
IP camera Name	DCS-7413
Time & Date	Sat Jan 1 00:21:40 2011
Firmware Version	1.00.00
MAC Address	F0:7D:68:74:13:01
IP Address	192.168.0.105
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
TV Output Mode	NTSC

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-7413** // **LIVE VIDEO** **SETUP** **ADVANCED** **MAINTENANCE** **STATUS** **HELP**

Device Info  
Log  
Logout

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

**CURRENT LOG**

1. 2011-01-01 00:19:42 admin FROM 192.168.0.100 TURN ON MASK AREA 1
2. 2011-01-01 00:17:50 IP CAMERA Received MOTION Trigger
3. 2011-01-01 00:17:50 admin FROM 192.168.0.100 SET EVENT SERVER 1 ; Name : Server1, Type : Email
4. 2011-01-01 00:17:50 admin FROM 192.168.0.100 SET EVENT MEDIA 1 ; Name : Media1, Type : Video Clip
5. 2011-01-01 00:17:50 admin FROM 192.168.0.100 SET MOTION BLOCK TABLE
6. 2011-01-01 00:17:50 admin FROM 192.168.0.100 SET EVENT TYPE 1 ; Trigger : Motion Detection
7. 2011-01-01 00:17:50 admin FROM 192.168.0.100 TURN ON VIDEO MOTION
8. 2011-01-01 00:10:59 admin FROM 192.168.0.100 SET VIDEO CODEC Need Reset
9. 2011-01-01 00:10:59 admin FROM 192.168.0.100 SET PROFILE 1 Viewer window area 640x360
10. 2011-01-01 00:10:59 admin FROM 192.168.0.100 SET PROFILE 1 Frame Size 640x360
11. 2011-01-01 00:03:37 admin LOGIN OK FROM 192.168.0.100
12. 2011-01-01 00:03:12 IP CAMERA ACQUIRE DHCP IP 192.168.0.105
13. 2011-01-01 00:03:09 SYSTEM SET IR LIGHT OFF
14. 2011-01-01 00:03:09 SYSTEM BOOTING
15. 2011-01-01 00:02:03 admin LOGIN OK FROM 192.168.0.100
16. 2011-01-01 00:01:17 SYSTEM SET IR LIGHT ON
17. 2011-01-01 00:00:21 IP CAMERA ACQUIRE DHCP IP 192.168.0.105
18. 2011-01-01 00:00:19 NETWORK RECONNECT
19. 2011-01-01 00:00:02 NETWORK LOSS
20. 2011-01-01 00:00:00 SYSTEM SET IR LIGHT OFF

First Page Previous 20 Next 20  
Clear Download

**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.

# Help

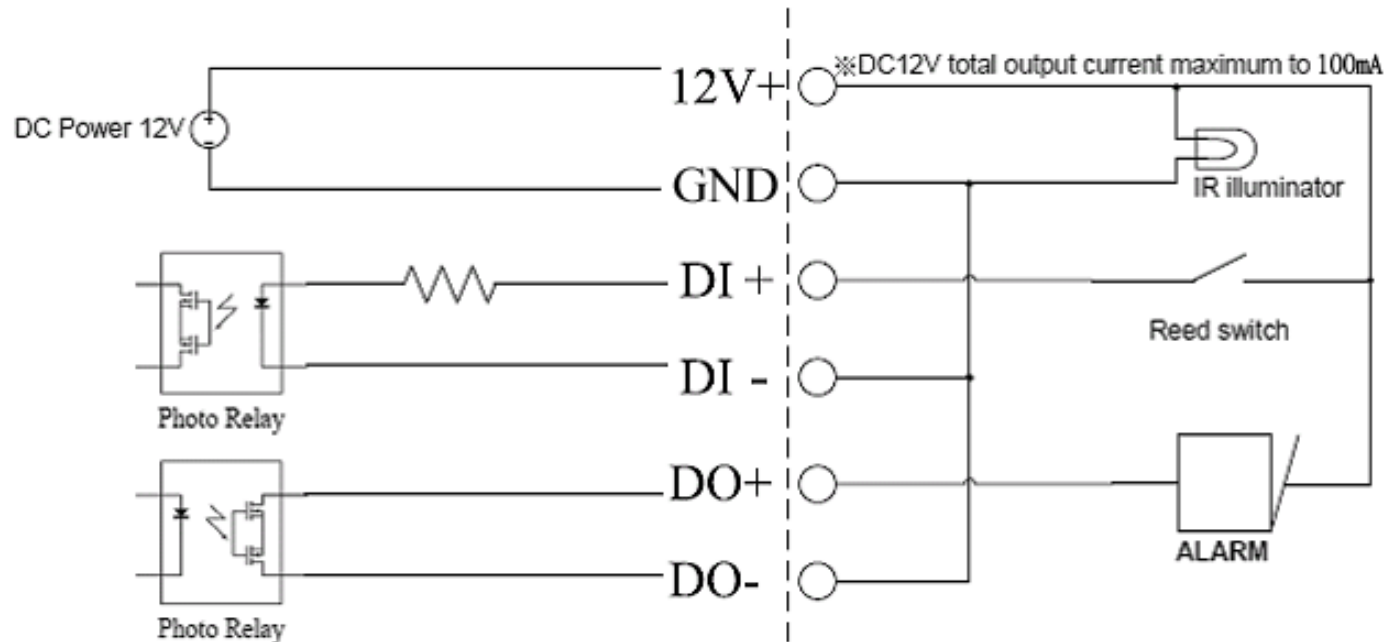
This page provides helpful information regarding camera operation.

The screenshot shows the D-Link DCS-7413 web interface. At the top is the D-Link logo. Below it is a navigation bar with tabs: DCS-7413, LIVE VIDEO, SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The HELP tab is selected. On the left side, there is a sidebar with links for Help and Logout. The main content area is titled HELP and contains a list of links: LIVE VIDEO, SETUP, MAINTENANCE, ADVANCED, and STATUS. Each of these links is expanded to show a list of sub-links. The LIVE VIDEO section contains a link to Camera. The SETUP section contains links to Setup Wizard, Network Setup, Dynamic DNS, Image Setup, Audio and Video, Preset, Motion Detection, Time and Date, Event Setup, and SD Card. The ADVANCED section contains links to DI and DO, ICR and IR, HTTPS, and Access List. The MAINTENANCE section contains links to Admin, System, and Firmware Upgrade. The STATUS section contains links to Device Info and Log.

DCS-7413	LIVE VIDEO	SETUP	ADVANCED	MAINTENANCE	STATUS	HELP
Help Logout	<b>HELP</b> <ul style="list-style-type: none"><li>LIVE VIDEO</li><li>SETUP</li><li>MAINTENANCE</li><li>ADVANCED</li><li>STATUS</li></ul> <b>LIVE VIDEO</b> <ul style="list-style-type: none"><li>Camera</li></ul> <b>SETUP</b> <ul style="list-style-type: none"><li>Setup Wizard</li><li>Network Setup</li><li>Dynamic DNS</li><li>Image Setup</li><li>Audio and Video</li><li>Preset</li><li>Motion Detection</li><li>Time and Date</li><li>Event Setup</li><li>SD Card</li></ul> <b>ADVANCED</b> <ul style="list-style-type: none"><li>DI and DO</li><li>ICR and IR</li><li>HTTPS</li><li>Access List</li></ul> <b>MAINTENANCE</b> <ul style="list-style-type: none"><li>Admin</li><li>System</li><li>Firmware Upgrade</li></ul> <b>STATUS</b> <ul style="list-style-type: none"><li>Device Info</li><li>Log</li></ul>					



# DI/DO Specifications

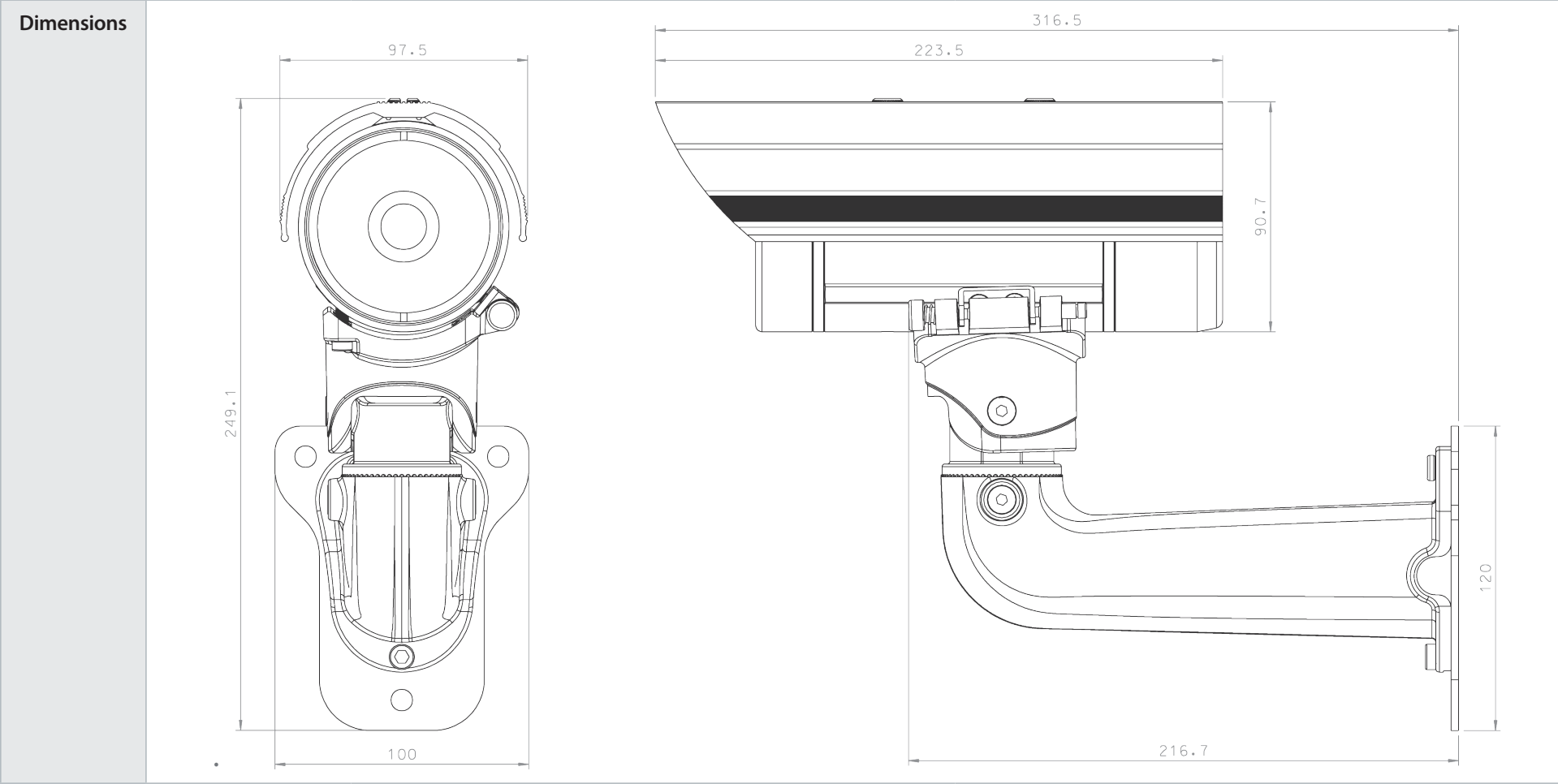


# Technical Specifications

Camera	Camera Hardware Profile	<ul style="list-style-type: none"> <li>▪ 1/2.7" 2 Megapixel progressive CMOS sensor</li> <li>▪ 30 meter IR illumination distance</li> <li>▪ Minimum illumination: 0 lux with IR LED on</li> <li>▪ Built-in Infrared-Cut Removable (ICR) Filter module</li> <li>▪ 10x digital zoom</li> </ul>	<ul style="list-style-type: none"> <li>▪ Focal length: 3.6 mm</li> <li>▪ Aperture: F1.8</li> <li>▪ Angle of view:               <ul style="list-style-type: none"> <li>▪ (H) 88°</li> <li>▪ (V) 50.4°</li> <li>▪ (D) 101°</li> </ul> </li> </ul>
	Camera Housing	IP68 compliant weatherproof housing	Cable management bracket
	Image Features	<ul style="list-style-type: none"> <li>▪ Configurable image size, quality, frame rate, and bit rate</li> <li>▪ Time stamp and text overlays</li> <li>▪ Configurable motion detection windows</li> </ul>	<ul style="list-style-type: none"> <li>▪ Configurable privacy mask zones</li> <li>▪ Configurable shutter speed, brightness, saturation, contrast, and sharpness</li> </ul>
	Video Compression	<ul style="list-style-type: none"> <li>▪ Simultaneous H.264/MPEG-4/MJPEG format compression</li> <li>▪ H.264/MPEG-4 multicast streaming</li> </ul>	<ul style="list-style-type: none"> <li>▪ JPEG for still images</li> </ul>
	Video Resolution	16:9 - 1920 x 1080, 1280 x 720, 800 x 450, 640 x 360, 480 x 270, 320 x 176, 176 x 144 up to 30 fps	4:3 - 1440 x 1080, 1280 x 960, 1024 x 768, 800 x 600, 640 x 480, 320 x 240, 176 x 144 up to 30 fps
	Audio Support	G.726	G.711
	External Device Interface	<ul style="list-style-type: none"> <li>▪ 10/100 BASE-TX Fast Ethernet port</li> <li>▪ Supports 802.3af PoE</li> </ul>	<ul style="list-style-type: none"> <li>▪ SD/SDHC/SDXC card slot</li> <li>▪ Audio input/output</li> </ul>
Network	Network Protocols	<ul style="list-style-type: none"> <li>▪ IPv6</li> <li>▪ IPv4</li> <li>▪ TCP/IP</li> <li>▪ UDP</li> <li>▪ ICMP</li> <li>▪ DHCP client</li> <li>▪ NTP client (D-Link)</li> <li>▪ DNS client</li> <li>▪ DDNS client (D-Link)</li> <li>▪ SMTP client</li> <li>▪ FTP client</li> </ul>	<ul style="list-style-type: none"> <li>▪ HTTP / HTTPS</li> <li>▪ Samba client</li> <li>▪ PPPoE</li> <li>▪ UPnP port forwarding</li> <li>▪ RTP / RTSP/ RTCP</li> <li>▪ IP filtering</li> <li>▪ QoS</li> <li>▪ CoS</li> <li>▪ Multicast</li> <li>▪ IGMP</li> <li>▪ ONVIF compliant</li> </ul>
	Security	Administrator and user group protection Password authentication	HTTP and RTSP authentication

## Appendix B: Technical Specifications

<b>System Management</b>	System Requirements for Web Interface	<ul style="list-style-type: none"> <li>▪ Browser: Internet Explorer, Firefox, Chrome, Safari</li> </ul>	
	Event Management	<ul style="list-style-type: none"> <li>▪ Motion detection</li> <li>▪ Event notification and uploading of snapshots/video clips via e-mail or FTP</li> </ul>	<ul style="list-style-type: none"> <li>▪ Supports multiple SMTP and FTP servers</li> <li>▪ Multiple event notifications</li> <li>▪ Multiple recording methods for easy backup</li> </ul>
	Remote Management	<ul style="list-style-type: none"> <li>▪ Take snapshots/video clips and save to local hard drive</li> </ul>	<ul style="list-style-type: none"> <li>▪ Configuration interface accessible via web browser</li> </ul>
	Mobile Support	Windows 2000/XP/Vista/7/8/iPhone/iPad/Android	
	D-ViewCam™ System Requirements	<ul style="list-style-type: none"> <li>▪ Operating System: Microsoft Windows 8/7/Vista/XP</li> <li>▪ Web Browser: Internet Explorer 7 or higher</li> </ul>	<ul style="list-style-type: none"> <li>▪ Protocol: Standard TCP/IP</li> </ul>
	D-ViewCam™ Software Functions	<ul style="list-style-type: none"> <li>▪ Remote management/control of up to 32 cameras</li> <li>▪ Viewing of up to 32 cameras on one screen</li> </ul>	<ul style="list-style-type: none"> <li>▪ Supports all management functions provided in web interface</li> <li>▪ Scheduled motion triggered, or manual recording options</li> </ul>
<b>General</b>	Weight	1920g (with bracket and sunshield)	
	External Power Adapter	Input: 100 to 240 V AC, 50/60 Hz	Output: 12 V DC 1.25 A
	Power Consumption	12.3 +-5% Watt	
	Temperature	Operating: -40 to 50 °C (-40 to 122 °F)	Storage: -20° to 70° C (-4° to 158° F)
	Humidity	Operating: 20% to 80% non-condensing	Storage: 5% to 95% non-condensing
	Certifications	CE CE LVD	FCC C-Tick



# 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-7413)
- Hardware Revision (located on the label on the bottom of the device (e.g. rev A2))
- Serial Number (s/n number located on the label on the bottom of the router).

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) 354-6555

**Internet Support:**  
<http://support.dlink.com>

## For customers within Canada:

**Phone Support:**  
(877) 354-6560

**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 (USA):**

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

- The customer must submit with the product as part of the claim a written description of the Hardware defect or Software nonconformance in sufficient detail to allow D-Link to confirm the same, along with proof of purchase of the product (such as a copy of the dated purchase invoice for the product) if the product is not registered.
- The customer must obtain a Case ID Number from D-Link Technical Support at 1-877-354-6555, who will attempt to assist the customer in resolving any suspected defects with the product. If the product is considered defective, the customer must obtain a Return Material Authorization ("RMA") number by completing the RMA form and entering the assigned Case ID Number at <https://rma.dlink.com/>.

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

### **Submitting A Claim (Canada):**

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:

- Customers need to provide their receipt (proof of purchase) even if the product is registered. Without a receipt, no warranty service will be done. The registration is not considered a proof of purchase.
- The customer must submit with the product as part of the claim a written description of the Hardware defect or Software nonconformance in sufficient detail to allow D-Link to confirm the same, along with proof of purchase of the product (such as a copy of the dated purchase invoice for the product) if the product is not registered.
- The customer must obtain a Case ID Number from D-Link Technical Support at 1-877-354-6560, who will attempt to assist the customer in resolving any suspected defects with the product. If the product is considered defective, the customer must obtain a Return Material Authorization (“RMA”) number by completing the RMA form and entering the assigned Case ID Number at <https://rma.dlink.ca/>.
- 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 be rejected by D-Link. Products shall be fully insured by the customer and shipped 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 NONINFRINGEMENT.

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

### **Limitation of Liability:**

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### **CE Mark Warning:**

This is a Class A 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 A 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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.

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.

### **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.

### **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. To maintain compliance with FCC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting.

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.

# Registration

Register your product online at [registration.dlink.com](http://registration.dlink.com)



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

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