



User Manual

D-Link IP-cameras with
built-in Ivideon software

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Ivideon: basic concepts

What is Ivideon?

Ivideon is a system that allows you to easily organize video surveillance at any place: office, apartment, house, shop, enterprise.

Ivideon features:

- You only need a computer and web or IP-camera;
- Installation is extremely simple: Connect the camera to your computer, configure the Internet connection and attach the camera to your Ivideon account.

What is an IP camera with built-in Ivideon software?

The camera connects to the Internet directly, there's no need to connect it to a PC. It is an independent element of your video surveillance system, you can just attach it to your Ivideon account — and you will be able to access it from anywhere over the Internet.

How do I access my surveillance cameras?

If you attach your camera to your Ivideon account, you will be able to access it from any place and any way you like:



via your personal account on the Ivideon web site.



on Android devices via Ivideon for Android.



on your iPhone®, iPad® or iPod® via Ivideon mobile application for iOS.



on other mobile devices and cell phones using the mobile version of our website.



on your computer via desktop version of the Ivideon Client application.

Attaching an IP camera to your Ivideon account

To use your camera with built-in Ivideon, please attach it to your personal account. If you do not have an Ivideon account yet, please visit www.ivideon.com and sign up.

- 1 Prepare the camera for connection. Connect it to your router with an Ethernet cable. Get ready to plug the power cable into the camera.
- 2 Log in to your account at www.ivideon.com.
- 3 Go to [My cameras](#) tab and click [Add a camera or a DVR](#). Follow the instructions.

Attention! If you need to reattach your camera, follow the instructions above, but first delete the camera from your personal account.

You can also attach your camera via its web-interface (see [Camera Web Interface](#) section of the manual):

- 1 Open the camera web interface. Click [Ivideon](#) → [Attach Camera to Ivideon Account](#).
- 2 Type the name of your camera and your Ivideon account. Click [Attach this camera to Ivideon Account](#).

Camera Settings

Camera Web Interface

D-Link IP-cameras can be configured via their web-interface. To access it, type the IP address of the camera in your browser. If you do not remember the IP address of your camera, there are three ways to find it:

- Use a network scanner application;
- Check the IP address from your router;
- Contact your system administrator.

Default login and password for the camera web interface are [admin](#) / password is blank.

Network settings

- 1 Connect your camera to computer or router with an Ethernet cable.
- 2 Open the camera web interface. In the [Setup](#) tab, click [Network](#).
- 3 Select [Automatic IP Address](#) if you have a DHCP-server on your network (the camera will automatically receive network settings from router). Otherwise, select [Static IP Address](#) and configure the network settings manually.

Attention! The network settings must allow the camera to gain access to the Internet. For the proper operation of the camera we recommend setting the following DNS Servers: [Optional Primary DNS – 8.8.8.8](#), [Optional Secondary DNS – 8.8.4.4](#).

- 4 Click [Save Settings](#) to apply changes.

DCS-942L	LIVE VIDEO	IVIDEON	SETUP	MAINTENANCE
Setup Wizard	LAN SETTINGS			
Network	IPv4 Settings			
Wireless Setup	<input checked="" type="radio"/> Automatic IP Address			
Dynamic DNS	<input type="radio"/> Static IP Address			
Image Setup	<input type="checkbox"/> PPPoE			

Wi-Fi settings

To set the Wi-Fi network settings, perform the following steps:

- 1 Open the camera web-interface and click [Setup](#) → [Wireless Setup](#).
- 2 Click [Rescan](#) and select your network from the [Site Survey](#) list.
- 3 Set the wireless mode, security method and encryption mode of your Wi-Fi network. You can check the Wi-Fi encryption settings on any device that is already connected to your Wi-Fi network.
- 4 Type your Wi-Fi password in the [Key](#) line.
- 5 Click [Save Settings](#) to apply changes.

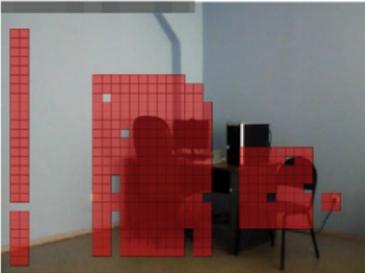
The camera can be connected to Wi-Fi using WPS if your network equipment supports this technology.

DCS-942L //	LIVE VIDEO	IVIDEON	SETUP	MAINTENANCE	STATUS
Setup Wizard	WIRELESS SETUP				
Network	In this section, you can setup and configure the wireless settings for your camera.				
Wireless Setup	<input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/>				
Dynamic DNS	WIRELESS CONFIGURATION				
Image Setup	<input checked="" type="checkbox"/> Wireless				
Audio and Video	Network Name <input type="text" value="Ivideon"/>				
Time and Date	Site Survey <input type="text" value="===SSID List==="/> <input type="button" value="Rescan"/>				
Video Clip	Wireless Mode <input type="text" value="Infrastructure"/>				
Snapshot	Security Mode <input type="text" value="WPA2-PSK"/>				
IP Filter	Cipher Type <input type="text" value="AES"/>				
HTTPS Setup	Key <input type="text"/>				
SD Recording	<input type="checkbox"/> Show Hidden Key				
Motion Detection	<input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/>				
Sound Detection					
SD Management					
Logout					

Motion Detector

Ivideon starts the archive recording only when the motion detector is triggered. If the motion detector is disabled, the video feed will not be stored on the SD-card nor in the cloud. To configure the motion detector on your camera, perform the following steps:

- 1 Open the camera web-interface and click [Setup](#) → [Motion Detection](#).
- 2 To activate motion detection select the [Enable Video Motion](#) checkbox. To activate infrared sensors on the camera select the [Enable PIR](#) checkbox.
- 3 In the [Sensitivity](#) window you can set the desired level of detector's sensitivity.
- 4 Select [Draw Motion Area](#) and choose areas in which motion will be detected. If you want to exclude a section from the detection area, select [Erase Motion Area](#). Click [Save Settings](#) to apply changes.
- 5 Click [Ivideon](#) → [Configure Video Archive](#). Select the [Enable Video Archive](#) checkbox and click [Save Archive Settings](#).

DCS-942L	LIVE VIDEO	IVIDEON	SETUP	MAINTENANCE	STATUS
Setup Wizard	MOTION DETECTION				
Network	This section will allow you to enable or disable motion detection function, draw or erase motion area, as well as configure the sensitivity setting of your camera to detect movement. You must select the checkbox of 'Enable Video Motion' to turn on the feature.				
Wireless Setup	<input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/>				
Dynamic DNS	LIVE VIDEO				
Image Setup	<input checked="" type="checkbox"/> Enable Video Motion <input type="checkbox"/> Enable PIR				
Audio and Video					
Time and Date	Sensitivity <input type="text" value="90"/> % (0%~100%)				
Video Clip	Drawing Mode <input checked="" type="radio"/> Draw motion area <input type="radio"/> Erase motion area				
Snapshot	<input type="button" value="Clear"/>				
IP Filter					
HTTPS Setup					
SD Recording					
Motion Detection					
Sound Detection					
SD Management					
Logout					

Sound Recording

If your camera is equipped with a microphone, you may need to enable and configure sound, which will be broadcasted along with the video feed and recorded on the SD card.

- 1 Open the camera web-interface and click [Setup](#) → [Sound Detection](#).
- 2 To activate sound detection, select the [Sound detection](#) checkbox.
- 3 Click [Save Settings](#) to apply changes.
- 4 Click [Setup](#) → [Audio and Video](#) → [Audio Setup](#), select the [Microphone](#) checkbox and adjust [Volume](#) from 10 to 100.
- 5 Click [Save Settings](#) to apply changes.

Elimination of the "traveling wave" effect

If you use your camera indoors, you may notice a "wave" effect on the picture. To remove it, follow these steps:

- 1 Open the camera web interface.
Click [Setup](#) → [Image Setup](#) → [Image Settings](#).
- 2 In the [Frequency](#) line select "50Hz".

IMAGE SETTINGS			
Brightness	<input type="text" value="50"/>	Saturation	<input type="text" value="100"/>
Contrast	<input type="text" value="40"/>	B/W	<input type="checkbox"/>
Mirror	<input type="checkbox"/>	Flip	<input type="checkbox"/>
Light Source	<input type="text" value="Indoor"/>	Frequency	<input type="text" value="50Hz"/>
White Balance	<input type="text" value="Auto"/>	Slow Shutter	<input type="text" value="Disable"/>
<input type="button" value="Reset to Default"/>			

Video stream settings

By default the camera is configured in optimal settings. If the upload bandwidth is low (for example, if you're using a 3G-modem), it's possible to configure the video stream settings in accordance with your requirements. The camera uses three streaming profiles - [Video Profile 1](#) for high quality, [Video Profile 2](#) for middle quality and [Video Profile 4](#) for low quality. Each profile can be configured separately. To configure a profile, perform the following steps:

- 1 Open the camera web interface. Click [Setup](#) → [Audio and Video](#).
 - 2 Select [CBR](#) as the Encode Method.
Select resolution, number of frames per second (FPS) and bit rate (BPS).
- Attention!** For correct operation of the camera, [Max. Bitrate](#) parameter must be less or equal to your upload Internet bandwidth.
- 3 Configure other profiles likewise and apply changes by clicking [Save Settings](#).

DCS-942L //	LIVE VIDEO	IVIDEON	SETUP	MAINTENANCE	STATUS	
Setup Wizard	AUDIO AND VIDEO					
Network	You may configure audio and video settings (4 video profiles) here. Profile 3 has been set for snapshot, and profile 4 is set for your mobile phone or PDA device.					
Wireless Setup	<input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/>					
Dynamic DNS						
Image Setup						
Audio and Video	VIDEO PROFILE 1					
Time and Date	Encode Type	Resolution	FPS	Encode Method	bps	RTSP URL
Video Clip	H.264	640x480	30	CBR	1 Mbps	play1.sdp
Snapshot	VIDEO PROFILE 2					
IP Filter	Encode Type	Resolution	FPS	Encode Method	bps	RTSP URL
HI IPS Setup	H.264	320x240	10	CBR	256 Kbps	play2.sdp
SD Recording	VIDEO PROFILE 3					
Motion Detection	Encode Type	Resolution	FPS	Encode Method	Quality	RTSP URL
Sound Detection	JPEG	640x480	10	Quality	Good	play3.sdp
SD Management	VIDEO PROFILE 4 (FOR MOBILE DEVICE ONLY)					
Logout	Encode Type	Resolution	FPS	Encode Method	bps	RTSP URL
	MPEG4	320x240	5	CBR	384 Kbps	3gpp

Date and time settings

For proper SD-card recording, set correct date and time settings:

- 1 Open the camera web interface. Click [Setup](#) → [Time and Date](#).
- 2 Choose your Time Zone.
- 3 In the [Automatic Time Configuration](#) section select the [Synchronize with NTP Server](#) checkbox and choose one of NTP servers. Time Settings can be configured manually in the [Set Date and Time Manually](#) section. However, that is not recommended.
- 4 Click [Save Settings](#) to apply changes.

DCS-942L	LIVE VIDEO	IVIDEON	SETUP	MAINTENANCE	STATUS
Setup Wizard	<div style="background-color: #f4a460; padding: 5px;">TIME AND DATE</div> <p>Here you may configure the internal clock of your camera.</p> <p style="text-align: center;"> <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> </p> <hr/> <div style="background-color: #333; color: white; padding: 5px;">TIME CONFIGURATION</div> <p>Time Zone <input type="text" value="(GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London"/></p> <p><input checked="" type="checkbox"/> Enable Daylight Saving</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Auto Daylight Saving <input type="radio"/> Set DST Manually <hr/> <div style="background-color: #333; color: white; padding: 5px;">AUTOMATIC TIME CONFIGURATION</div> <p><input checked="" type="checkbox"/> Synchronize with NTP Server</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> NTP Server <input type="text" value="ntp1.dlink.com"/> << <input type="text" value="Select NTP Server"/> <input type="radio"/> Set NTP Server from DHCP <hr/> <div style="background-color: #333; color: white; padding: 5px;">SET DATE AND TIME MANUALLY</div> <p><input type="checkbox"/> Set Date and Time Manually</p> <p style="text-align: center;"> <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> </p>				
Network					
Wireless Setup					
Dynamic DNS					
Image Setup					
Audio and Video					
Time and Date					
Video Clip					
Snapshot					
IP Filter					
HTTPS Setup					
SD Recording					
Motion Detection					
Sound Detection					
SD Management					
Logout					

Recording video archive on a micro SD card

To store video archive on an SD card, you will need 1 - 32 GB micro SD and speed class 6 or higher.

To configure archive recording, perform the following steps:

- 1 Unplug the power supply from the camera and insert the microSD card into the slot.
- 2 Plug the power supply in the camera.
- 3 Open the camera web interface. Click [Setup](#) → [SD Recording Management](#) and format the SD-card.
- 4 In the tab [Ivideon](#) → [Configure Video Archive](#) select the [Enable Video Archive](#).
- 5 Click [Save Settings](#) to apply changes.

