



— DCS-2100G

Wireless Internet Camera

For Home & Small Office

The DCS-2100G Wireless Internet Camera is a security system for home and small office use. This camera connects to an Ethernet and wireless network, and to the broadband Internet. Designed for image and sound monitoring, the camera also provides advanced software functions for multi-camera monitoring and management, and is a comprehensive but affordable system for surveillance from a local or remote site through the web.

Stand-alone System With Integrated Web Server

The DCS-2100G comes with a built-in CPU and web server, providing a low-cost solution for home and small office monitoring needs. Its integrated web server eliminates the need to connect the camera to a computer. Once installed, you use the built-in IP address to gain access to the camera, view live streaming video, and make changes to camera settings.

Watch and Listen Remotely

Through a built-in microphone, you can watch and listen remotely as the DCS-2100G captures both sound and video of your site. With its own IP address and built-in web server, you can place the DCS-2100G anywhere on the network. Directly connected to a local network or the Internet without going through any computer, this camera easily integrates with your network environment.

High-Quality Video With Digital Zoom

The DCS-2100G uses MPEG-4 short header mode to stream live video at up to 30 frames per second for real-time viewing. As you watch and listen remotely to video and sound obtained by the DCS-2100G, you can instantly take snapshots directly from the web browser. The DCS-2100G provides enhanced viewing capabilities with its ability to digitally zoom in up to 4 times on specific areas for close-ups. It can also capture video in rooms with minimal lighting, and is ideal for use at night.

Multi-Camera Monitoring

Surveillance software is included to let you view up to 16 cameras on a single computer screen at one central location. Images can be recorded to your computer's hard drive manually or according to a pre-set schedule. You can set up automated e-mail alerts for sending through the Internet to alarm you instantly of all unusual happenings.

Motion Detected Recording

Instead of recording 24 hours a day, 7 days a week, images can also be recorded only when motions are detected. This saves disk space and eliminates the time wasted to view unnecessary images. Images can be directly archived straight to your computer hard drive or to a network attached storage. Playback consumes little time with triggered event browsing and fast database searching.

Wireless and Ethernet Connection

For effective surveillance in and around a building, this camera comes with a built-in high-speed 802.11g wireless network interface, allowing images to be transmitted at up to 54Mbps wireless speed. In addition, a 10/100BASE-TX Ethernet port is also provided for convenient connection to an Ethernet network or to a broadband Internet via a gateway router.

Easy Deployment

The DCS-2100G includes everything you need to get started. Simple installation procedures, along with the built-in a web-based interface, offer easy integration into your network environment. The DCS-2100G adheres to the Universal Plug-n-Play specification, which allows computers running Windows XP/ME to automatically recognize the camera and add it to the network. The DCS-2100G can be accessed and viewed from any network place as a device on the network.

By signing up with one of the many free Dynamic DNS services available on the web, you can assign an easy-to-remember name and domain to the camera (e.g. www.mycamera.myddns.com). This allows you to remotely access your camera without having to remember the IP address, even if your Internet Service Provider has changed it.

Key Features

- Stand-alone Internet camera with CPU & RAM, no need to attach to PC
- Local access through Ethernet and built-in 802.11g wireless LAN
- Remote access through Internet
- 4x digital zoom for close-up viewing *
- Surveillance software to control up to 16 cameras
- Motion detection triggered recording or scheduled recording
- Smart playback
- High compression ratio recording
- Implemented for intruder detection with still image capture & e-mail notification
- Powerful software for image capture & video recording
- Easy deployment with UPnP & DNS support, web-based configuration

* 4x digital zoom enlarges an image by magnifying the pixels in a selected portion of the image by 4 times.

DCS-2100G

Technical Specifications

Internet Camera

Camera

Sensor

- Built-in 1/4-inch CMOS sensor
- Automatic gain control (AGC): 24dB
- Automatic exposure (AE)
- Automatic white balance (AWB)
- Electronic shutter: 1/60 to 1/15000 sec.
- Minimum illumination: 1.0 Lux @ f2.0

Lens

- Fixed lens
- Fixed focal, (4mm, f2.0) with fine tuning

LED indicator

1 bi-color LED indicator for status indication (POST, connection, heartbeat)

Reset button

Push button to reset to factory default settings

Memory

- SDRAM: 16Mbytes
- Flash ROM: 2Mbytes

Video

Resolution

- 30fps @ 320 x 240 and 160 x 120
- 10fps @ 640 x 480

Format

- MPEG4 short header mode compression for streaming video
- JPEG compression for still image
- Compression ratio: 5 levels
- Max. image frame rate: 30fps
- Adjustable image size, quality and bit-rate
- Time stamp and text overlay

Compression Options

Medium, standard, good, detailed, excellent (user-selectable)

Video Sizes

QQVGA, QVGA, VGA (user-selectable)

Information Display

Image can be overlaid with text, timestamp and motion detection window

Color Modes

Color mode, monochrome mode (user-selectable)

Position

Flip and mirror can adjust image position

Image Settings

Brightness, contrast, hue, saturation (user-adjustable)

Zoom-In

Seamless digital zoom function with up to 4x magnification

Audio

Audio Input

Built-in omni-directional microphone with S/N more than 60dB

Format

- Proprietary, 24Kbps audio codec
- Mono

Function

- Can be muted at server side by administrator (camera microphone on/off)
- Adjustable audio volume (PC microphone on/off)

Network

Network Interfaces

- 802.3/3u 10/100Mbps Ethernet
- 802.11g wireless LAN

IP Installation

IP address is installed at system reboot unless an option is set to fix it

Protocols and Applications

- DDNS support with several famous DDNS servers
- UPnP support
- NTP client
- SMTP client
- FTP client
- FTP server
- FTP supports passive mode
- HTTP server: max. 10 users to view at a time
- Adjustable server port
- SMTP authentication

Motion Detection

Configuration

- 3 motion-detection windows
- 2 adjustable parameters: sensitivity and percentage

Indicator

When motion is detected, users can be informed from the image

Built-in Wireless LAN

Wireless LAN Standards

- 802.11g
- 802.11b

Data Rates

- 802.11g: up to 54Mbps (6/9/12/18/24/36/48/54Mbps)
- 802.11b: up to 11Mbps (1/2/5.5/11Mbps)

Transmission Technology

- DSSS
- DFDM

RF Frequency Range

2.4 to 2.4835 GHz ISM band

Operating Channels

- 1 to 11 channels (FCC)
- 1 to 13 channels (ETSI)

Data Modulation Type

QAM64, QAM16, QPSK, BPSK, DBPSK, DQPSK, CCK

Antenna

2dBi Gain external dipole antenna (reverse SMA connector)

Transmit Output Power

16dBm (typical)

Receive Sensitivity (for 802.11b)

- (Typically @PER < 8% packet size 1024 @ 25 °C +/- 5 °C)
- 11Mbps (CCK): -80 dBm
- 5.5Mbps (CCK): -83 dBm
- 2Mbps (QPSK): -84 dBm
- 1Mbps (BPSK): -87 dBm

Receive Sensitivity (for 802.11g)

- (Typically @PER < 8% packet size 1024 @ 25 °C +/- 5 °C)
- 54Mbps (OFDM): -65 dBm
- 48Mbps (OFDM): -66 dBm
- 36Mbps (OFDM): -70 dBm
- 24Mbps (OFDM): -72 dBm
- 18Mbps (OFDM): -77 dBm
- 12Mbps (OFDM): -79 dBm
- 9Mbps (OFDM): -81 dBm
- 6Mbps (OFDM): -82 dBm

Operating Range *

- Indoors: Up to 100 meters
- Outdoors: Up to 300 meters

* Environmental factors may adversely affect range.

Security

WEP 64/128-bit data encryption (user-selectable)

DCS-2100G

Technical Specifications

Management & Viewing

Remote Management

Configuration can be accessed via web browser

Security

- Administrator and user group protected
- Password authentication

Viewing System Requirements

- Protocol: ActiveX
- Operating System: Microsoft Windows XP, 2000, ME
- Browser: Internet Explorer v.6

Physical & Environmental

Power Input

5V DC, 2.0A

Power Supply

Through external AC switching power adapter

Power Consumption

4.3 watts

Dimensions

26.8 (L) x 72.8 (W) x 115.2 (H) mm (camera only, excluding antenna)

Weight

245 grams (camera, including antenna)

Operation Temperature

0° to 50 °C

Storage Temperature

-30° to 75 °C

Operating Humidity

5% to 95% non-condensing

Emission (EMI)

- FCC Class B
- CE Class B

Radio

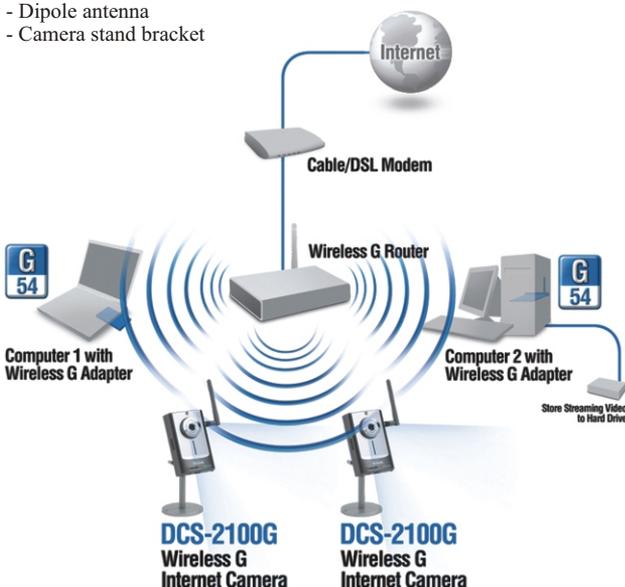
EN 300 328-2 (07-2000)

Safety

EN60950

Package Includes

- DCS-2100G Wireless Internet Camera
- External power adapter
- Cat. 5 Ethernet cable
- Quick Installation Guide
- Master CD
- Dipole antenna
- Camera stand bracket



Internet Camera



Control multiple cameras on a network through the convenience of the Internet from a single computer



Ordering Information

DCS-2100G

Wireless Internet Camera with 10/100BASE-TX Ethernet and 802.11g WLAN interfaces

D-Link®

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TEL: 56-2-232-3185

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TEL: 27-12-665-2165

TEL: 7-095-744-0099

TEL: 86-10-58635800

TEL: 886-2-2910-2626

TEL: 886-2-2916-1600

FAX: 1-866-743-4905

FAX: 1-905-8295223

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FAX: 49-6196-7799300

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FAX: 41(0)-1-832-11-01

FAX: 30-210-9916902

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FAX: 36-(0)-1-461-30-09

FAX: 65-6774-6322

FAX: 61-2-8899-1868

FAX: 91-022-26528914

FAX: 971-4-3908881

FAX: 90-212-289-76-06

FAX: 202-415-6704

FAX: 972-9-9715601

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