D-Link®

SECURICAM

DCS-2100

Affordable Internet Camera

For Home & Small Office

The DCS-2100 Internet Camera is a security system for home and small office use. This camera connects to an Ethernet network or to the broadband Internet for image and sound monitoring. It 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-2100 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-2100 captures both sound and video of your site. With its own IP address and built-in web server, you can place the DCS-2100 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-2100 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-2100, you can instantly take snapshots directly from the web browser. The DCS-2100 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.

LAN and Internet Connection
For surveillance in and around a building, this camera comes with a 10/100BASE-TX Ethernet port for connection to an Ethernet network. This port can also connect to a broadband Internet via DSL/cable modem or a gateway router for surveillance from a remote site.

Easy Deployment
The DCS-2100 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-2100 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-2100 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 port*
- *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-2100
Technical Specifications

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 x120
- 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 Interface
802.3/3u 10/100Mbps Ethernet

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

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

Weight
215 grams

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
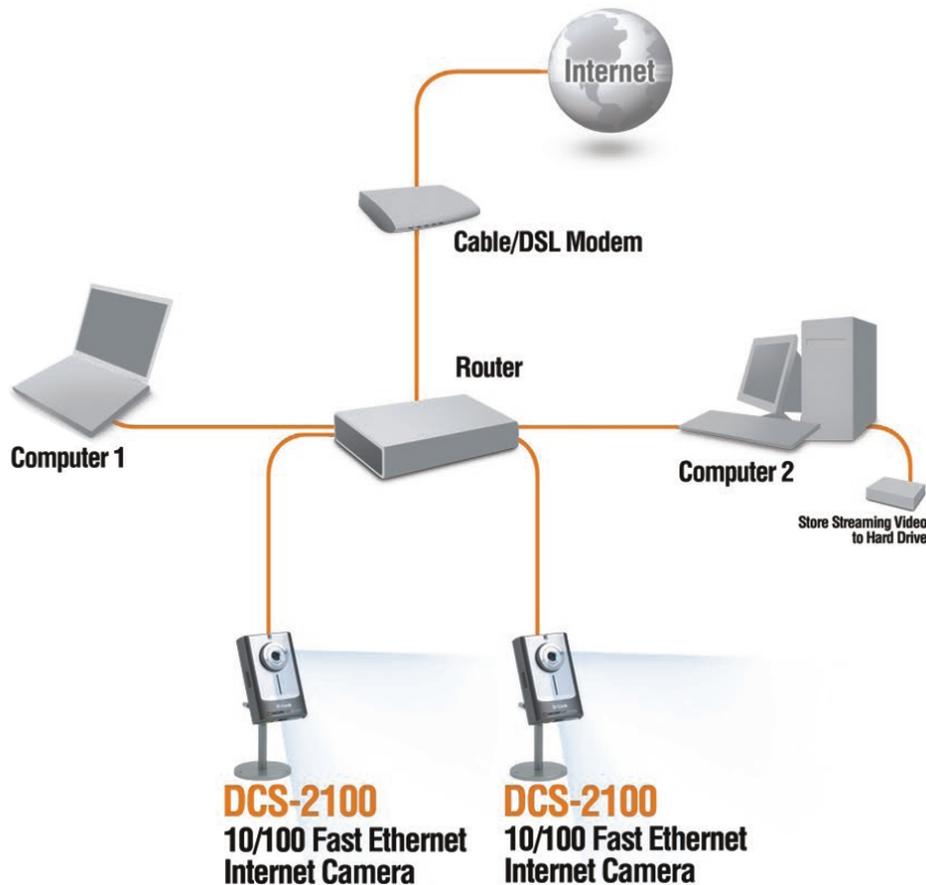EN 300 328-2 (07-2000)

Safety
EN60950

Package Includes
- DCS-2100 Internet Camera
- External power adapter
- Cat. 5 Ethernet cable
- Quick Installation Guide
- Master CD
- Camera stand bracket

DCS-2100
10/100 Fast Ethernet
Internet Camera

DCS-2100
10/100 Fast Ethernet
Internet Camera

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

Ordering Information

DCS-2100	Internet Camera with 10/100BASE-TX Ethernet interface

D-Link®

U.S.A	TEL: 1-800-326-1688	FAX: 1-866-743-4905
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223
Europe (U. K.)	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331
Belgium	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Norway	TEL: 47-23-897189	FAX: 47-22-309085
Finland	TEL: 358-9-2707 5080	FAX: 358-9-2707-5081
Spain	TEL: 34-93-4090770	FAX: 34-93-4910795
Portugal	TEL: 351-21-8688493	
Czech Republic	TEL: 420-(603)-276-589	
Switzerland	TEL: 41-(0)-1-832-11-00	FAX: 41(0)-1-832-11-01
Greece	TEL: 30-210-9914 512	FAX: 30-210-9916902
Luxemburg	TEL: 32-(0)2-517-7111	FAX: 32-(0)2-517-6500
Poland	TEL: 48-(0)-22-583-92-75	FAX: 48-(0)-22-583-92-76
Hungary	TEL: 36-(0)-1-461-30-00	FAX: 36-(0)-1-461-30-09
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
India	TEL: 91-022-26526696	FAX: 91-022-26528914
Middle East (Dubai)	TEL: 971-4-3916480	FAX: 971-4-3908881
Turkey	TEL: 90-212-289-56-59	FAX: 90-212-289-76-06
Egypt	TEL: 202-414-4295	FAX: 202-415-6704
Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
LatinAmerica	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brazil	TEL: 55-11-218-59300	FAX: 55-11-218-59322
South Africa	TEL: 27-12-665-2165	FAX: 27-12-665-2186
Russia	TEL: 7-095-744-0099	FAX: 7-095-744-0099 #350
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