

## Wireless Internet Camera

### For Home & Small Office

- **Image/Sound Surveillance Through Internet & 802.11g Wireless LAN**
- **View Live Video Streams From 3G Mobile Phone/PDA**
- **Light-Sensitive Lens & Digital Zoom<sup>1</sup>**
- **Intruder Detection With Still Image Capture & E-Mail Notification**
- **Easy Deployment With UPnP/DDNS Support**

#### FEATURES

- **View Live Video Streams From 3G Mobile Phone**
- **Local Access Through Ethernet or 802.11g Wireless LAN**
- **Remote access through Internet**
- **Low Light Recording Ideal for Night Time Use**
- **4x Digital Zoom for Close-Up Viewing<sup>1</sup>**
- **Software Provided 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**
- **Easy Deployment With UPnP & DDNS Support, Web-Based Configuration**

<sup>1</sup> 4x digital zoom enlarges an image by magnifying the pixels in a selected portion of the image by 4 times.

The DCS-2120 wireless Internet camera is a powerful surveillance system that features 802.11g wireless connection and the ability to view live video streams from a 3G mobile phone or PDA. Designed as a standalone system complete with CPU and web server, advanced features such as a light sensitive lens, digital zoom capability and powerful video/sound surveillance and remote monitoring utility, and this camera presents a low-cost solution for demanding home/office security needs.

Snapshot enables users to save images directly from a web browser to a computer's hard drive without installing any additional software. With 0.5 lux light sensitivity, this camera is capable of capturing video in rooms with minimal lighting. Images can be zoomed using the 4x digital zoom feature. This camera allows users to monitor video and audio using an Internet browser from any where in the world. Simple installation procedures, along with the built-in web-based interface, offer easy integration to any network environments.

Users have the ability to view live video streams from a compatible 3G cell phone. The live camera feed of the camera can be pulled from the 3G cellular network by using a compatible cell phone or PDA with a 3G video player. From anywhere within the 3GPP service area, users are offered a flexible and convenient way to remotely monitor a home or office in real time.

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

Software is included to let users view up to 16 cameras on a single computer screen at one central location. Images can be recorded manually or according to a pre-set schedule. Users can set up automated e-mail alerts for sending through the Internet to be alarmed instantly of all unusual happenings.

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.

The camera 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. It 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, users can assign an easy-to-remember name and domain to the camera (e.g. www.mycamera.myddns.com). This allows them to remotely access the camera without having to remember the IP address, even if their Internet Service Provider has changed it.



## Technical Specifications

### Network Protocol Support

TCP/IP, RTP, RTCP, HTTP, SMTP, FTP, NTP, DNS, DHCP, UPnP, DDNS

### Connectivity

- 802.11g wireless LAN
- 802.3 10/100Mbps 10/100BAS-TX Ethernet supporting NWay auto negotiation

### Video Algorithm Support

- JPEG for still image
- Enhanced video compression using MPEG4 Simple Profile

### Video Resolution

- Up to 30fps at 160x120
- Up to 30fps at 176x144
- Up to 30fps at 320x240
- Up to 30fps at 640x480

### Video Features

- Adjustable image size and quality
- Time stamp and text overlays
- 3 configurable motion detection windows
- Flip & mirror

### Video Bit Rate

20K to 4M

### Camera Specifications

- 1/4-inch CMOS sensor
- 0.5 Lux @ f1.4
- AGC/AWB/AES
- Electronic shutter: 1/60 to 1/15000 secretary.
- Standard fixed mount type lens 4mm, f2.0
- 62° field of view

### Security

- Administrator and user group protected
- Password authentication
- Wireless LAN security: 64/128-bit WEP and WPA-PSK data encryption

### Surveillance Software Functions

- Remote management/control of up to 16 DCS-2120 cameras
- Viewing of up to 16 cameras on one screen
- Supports all management functions provided in web interface
- Scheduled motion triggered, or manual recording options

### Audio

- Sample rate: 16 to 128K (AAC), 4.75 to 12.2K (GSM-AMR)
- Full duplex audio communication

### Microphone

- Directivity: omni-directional
- Frequency: 50 to 16000Hz
- S/N ratio: more than 60dB

### Wireless Transmit Output Power

16dBm (typical)

### Wireless 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
- 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

### Wireless Operating Range<sup>1</sup>

- Indoors: 100 meters
- Outdoors: 300 meters

### Viewing System Requirements

- Operating System: Microsoft Windows XP, 2000, ME
- Browser: Internet Explorer v.5.0 or above

### Remote Management

- Configuration accessible via web browser
- Take snapshots and save to local hard drive via web browser

### Surveillance

- (Motion detection weekly schedule)
- Upload snapshot via email
- Upload snapshot via FTP

### Supported PDA, Mobile Phones & Software

- Handsets with 3GPP player
- Packet Video Player 3.0
- QuickTime 6.5
- Real Player 10.5
- Windows ME, 2000, XP

### LEDs

2-color LED

### Physical & Environmental

#### Power Input

Through 5V DC 2.0A external power adapter

#### Power Consumption

3.5 watts

#### Dimensions

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

#### Weight

185 grams (camera, including antenna)

#### Operating Temperature

0° to 50° C

#### Storage Temperature

-30° to 75° C

#### Operating Humidity

5% to 95% non-condensing

#### EMI (EM), Safety & Other Certifications

- FCC
- IC
- CE
- C-Tick

#### Radio

EN 300 328-2 (07-2000)

#### Safety

EN60950

#### Package Includes

- DCS-2120 camera
- External power adapter
- Cat. 5 Ethernet cable
- Quick Installation Guide
- Master CD
- Dipole antenna
- Camera stand

<sup>1</sup> Environmental factors may adversely affect range.



## D-Link Worldwide Offices

### 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

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### Denmark

TEL: 45-43-969040

FAX: 45-43-424347

### Norway

TEL: 47-99-300-100

FAX: 47-22-309580

### Finland

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FAX: 358-9-2707-5081

### Spain

TEL: 34-93-4090770

FAX: 34-93-4910795

### Portugal

TEL: 351-21-8688493

FAX: 351-21-8688493

### Czech Republic

TEL: 420-(603)-276-589

FAX: 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

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### Russia

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