D-Link®
Building Networks for People

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[2]
- Light-Sensitive Lens & Digital Zoom [1]
- Intruder Detection With Still Image Capture & E-Mail Notification
- Easy Deployment With UPnP/DDNS Support

FEATURES

- **View Live Video Streams From 3G Mobile Phone[2]**
- **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 [1]**
- **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**

[1] *4x digital zoom enlarges an image by magnifying the pixels in a selected portion of the image by 4 times.*

[2] *The mobile device must have 3G support and subscribe to 3G service from the phone service provider. The playback device must be equipped with 3G video playback such as RealPlayerTM or PacketVideoTM.*
Use of audio or video equipment for recording the image or voice of a person without his/her knowledge is prohibited in certain countries or jurisdictions. D-Link disclaims any liability whatsoever for any end-user use of D-Link products which fails to comply with applicable laws and regulations.

SECURICAM™

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.

SECURICAM™

Technical Specifications

Network Protocol Support
TCP/IP, RTSP, RTP, RTCP, HTTP, SMTP, FTP, NTP, DNS, DHCP, UPnP, DDNS, PPPoE

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
- 64° 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)

Microphone
- Directivity: omni-directional
- Frequency: 50 to 16000Hz
- S/N ratio: more than 58dB

Viewing System Requirements
- Operating System: Microsoft Windows XP, 2000
- 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 2000, XP

LEDs
2-color LED

Wireless LAN

Radio and Modulation Schemes
- 802.11b: DQPSK, DBPSK and CCK
- 802.11g: BPSK, QPSK, 16QAM, 64QAM, OFDM

Operating Frequency
2400 to 24835MHz

Wireless Data Rates[3]
- 802.11b: 11, 5.5, 2 and 1Mbps
- 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6Mbps

Receiver Sensitivity
- 802.11b:
  11 Mbps (CCK): -84dBm
  5.5 Mbps (CCK): -86dBm
  2 Mbps (DQPSK): -88dBm
  1 Mbps (DBPSK): -90dBm
  (typically @PER < 8% packet size 1024 and @25° C + 5° C)
  802.11g:
- 54 Mbps (OFDM): -66dbm
  48 Mbps (OFDM): -70dbm
  36 Mbps (OFDM): -76dbm
  24 Mbps (OFDM): -79dbm
  18 Mbps (OFDM): -83dbm
  12 Mbps (OFDM): -85dbm
  9 Mbps (OFDM): -86dbm
  6 Mbps (OFDM): -86dbm
  (typically @PER < 10% packet size 1024 and @25° C + 5° C)

Transmitter Output Power
- 802.11b: 16dBm (typical)
- 802.11g: 12dbm (typical)

Antennas
2dBi Gain dipole antenna with reverse SMA plug

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 (32° to 122° F)

Storage Temperature
-40° to 70° C (-40° to 158° F)

Humidity
20% to 85% non-condensing

Emission (EMI), 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

[3] Maximum wireless signal rates derived from IEEE standard 802.11b/g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, may lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

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