



PC UPGRADE
Editor's choice
2003



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Super Quest
2003 Annual Award

Wireless Internet Camera With Integrated Web Server & Motion Detection

The D-Link Internet Camera is a security system that allows you to watch and listen remotely. This full-featured camera connects to an Ethernet or wireless network in a building or campus, and to broadband Internet to provide you with high-quality video and audio. Equipped with built-in Web server, micro-phone for listening, motion detected image recording, time-saving trigger event playback, alert message and powerful software for multi-camera monitoring and management, this camera provides a comprehensive system for convenient surveillance from both a local site or remotely from anywhere in the world.

Stand-alone System With Integrated Web Server

The DCS-2100+ Internet Camera comes with a built-in CPU and Web server, providing a low-cost solution capable of solving demanding security and home/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.

Web-based Remote Access

You can install your camera at home then view the images from anywhere in the world on a computer running Internet Explorer. Directly connected to the Internet without going through any computer, this camera is simple to install and easily integrates with your network environment. This makes this camera an ideal solution for remote surveillance away from home or office.

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. The camera can be connected to external alarms and sensors, and you

can set up automated email 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.

High-Quality Video & Sound

The camera uses MPEG-4 Short Header Mode to stream live video at up to 30 frames per second for real-time viewing. A built-in high-quality microphone allows you to listen while watching live images.

Built-in Wireless LAN

This camera is equipped with 802.11b+ enhanced 22Mbps wireless LAN. It also comes with a 10/100Mbps Fast Ethernet port for connection to broadband Internet (via a home gateway router) or to a wired network in a building.

Features

- Stand-alone Internet camera with CPU & RAM, no need to attach to PC
- Simple to use with real-time monitoring
- Local access through Ethernet or wireless LAN
- Remote access from web browser
- Operates in Windows environments
- Surveillance software to control up to 16 cameras
- Motion detection triggered recording or scheduled recording
- Smart playback
- High compression ratio recording
- Connects to external devices for alarm-based event recording when trigger is activated
- Implemented for intruder detection with still image capture & e-mail notice
- Powerful software for image capture & video recording
- Web-based configuration

DCS-2100+

Technical Specifications

Internet Camera

Camera Specifications

- 1/3 inch color CMOS sensor, interlace scan mode
- 24-bit RGB, 640 x 480 resolution
- Operating System: pSOS+ (real-time O.S.)
- Automatic Gain Control (AGC): 24dB
- Automatic Exposure (AE)
- Automatic White Balance (AWB)
- Electronics shutter: 1/60 ~ 1/15000 second
- Minimum illumination: 2.5lux @ f1.4
- Lens mounting: standard CS mount type lens, 6.0mm, f1.8

Image (Video Setting)

- H.263+ (MPEG4 short header mode) data compression
- Compression ratio: 5 levels
- 3 adjustable image sizes and quality intelligent motion detection windows with flexible bit rate
- Time stamp and text overlay

Audio

24Kbps

Video Resolution

- Up to 30 fps at 160 x 120
- Up to 30 fps at 320 x 240
- Up to 10 fps at 640 x 480

General I/O

- 1 opto-isolated sensor input (max. 12VDC 50mA)
- 1 relay output (max. 24VDC 1A, 125VAC 0.5A)

Alarms

- Motion detection (activity detection)
- Periodical image transfers through e-mail and upload to a server using FTP

Port

10/100Mbps 10BASE-T/100BASE-TX Fast Ethernet

LED Indicators (bi-color status)

- System power and status indicators
- Network link and speed indicators

Networking Protocols

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

Security

- Administrator and user group protected
- Password authentication

Management

Configuration and system log via Web browser and FTP application remotely

Software Update

Via TCP/IP network

Viewing System Requirement

- Protocol: standard Internet TCP/IP suite
- Operating system: Microsoft Windows XP, 2000, ME or 98SE
- Browser: Internet Explorer 5.x or above

Wireless LAN Standard

802.11b+

Reception Sensitivity Nominal Temp Range

- 22Mbps: 10-5 BER @ -80 dBm minimum
- 11Mbps: 10-5 BER @ -79 dBm minimum
- 5.5Mbps: 10-5 BER @ -83 dBm minimum
- 1Mbps: 10-5 BER @ -89 dBm minimum

Frequency Range

2.4 - 2.4835 GHz

Modulation Techniques

- Direct Sequence Spread Spectrum (DSSS)
- Packet Binary Convolutional Coding (PBCC)

Data Rates

- 22 Mbps
- 11 Mbps
- 5.5 Mbps
- 2 Mbps
- 1 Mbps
- Auto fall-back

Data Rate & Modulation

- 22Mbps: PBCC
- 11Mbps: PBCC or CCK
- 5.5Mbps/1.5db: PBCC or CCK
- 2Mbps/3db: Barker

Operating Channels

- North America (FCC): 11
- Canada (DOC): 11
- Europe (ETSI): 13
- Japan (MKK): 14

Antennas

2 detachable 2dBi Gain antennas (reverse SMA connectors)

Transmitter Output Power

15dBm ±2dB

Operating Range

- Up to 80 m indoors
- Up to 250 m outdoors

Data Encryption

64-bit, 128-bit, 256-bit WEP (Wired Equivalent Privacy)

Physical & Environmental

AC Power Input

Through 100 - 240 VAC, 50/60Hz external power supply unit

DC Power Input

12VDC 1.5A

Weight

Approx. 240 grams

Dimensions

135 (L) x 89 (W) x 57 (H) mm

Operating Temperature

5°C ~ 50°C

Storage Temperature

-10°C ~ 60°C

Humidity

20% ~ 90% non-condensing

Emission & Safety

- FCC Class B
- CE Class B
- LVD (En60950)



Ordering Information

Wireless Internet Camera

DCS-2100+ With 10/100Mbps Fast Ethernet Port & 802.11b+ Wireless LAN

D-Link®

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