



PAN & TILT WIRELESS INTERNET CAMERA

3G MOBILE SUPPORT

View a live camera feed from your compatible 3G mobile phone or PDA ¹

PANT/TILT/ZOOM

Enable high resolution monitoring while expanding the survey area with motorized pan/tilt and 4x zoom ²

MOTION TRIGGERED RECORDING

Starts recording and sends e-mail alerts upon motion detection

POWERFUL SURVEILLANCE

IP surveillance systems are quickly gaining ground over conventional CCTV security cameras due to superior performance and reduced cost. The D-Link DCS-5220 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, light sensitive lens, motorized pan/tilt, digital zoom, and advanced video/sound surveillance remote monitoring utility, and this camera presents a powerful yet low-cost solution for demanding home/office security needs.

SHARP IMAGE MONITORING FROM DIFFERENT ANGLES

Equipped with a light sensitive lens, this camera is capable of capturing video in rooms with minimal lighting. It features a motorized pan/tilt capability, allowing images to be monitored from different angles, and a digital zoom for greater remote viewing options. 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.

VIEW LIVE VIDEO FROM 3G MOBILE 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.

WIRED & WIRELESS ACCESS

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 can be accessed and viewed from any network place as a device on the network

INTELLIGENT & EASY TO USE

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. Images can be recorded manually or according to a pre-set schedule. 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. Users can set up automated e-mail alerts for sending through the Internet to be alarmed instantly of all unusual happenings. 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. 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.

WHAT THIS PRODUCT DOES

The D-Link DCS-5220 Wireless Internet Camera is a cost-effective yet powerful security solution for home office and small to medium-sized businesses. With 3G video support, it is a full-featured surveillance system that connects to your Ethernet or 802.11g wireless network to provide remote monitoring over the Internet. Use the motorized pan/tilt controls with 4x digital zoom to zoom in on images and take snapshots directly from a web browser. Enable one-way audio and listen to any activity within close proximity to the camera's built-in microphone.

REMOTE MONITORING OPTION

The DCS-5220 features 3G mobile video support, enabling you to view a live video feed from your camera on a compatible 3G mobile phone or PDA anywhere in your 3G coverage area. The 3G mobile video support expands the functionality of the DCS-5220, allowing you to monitor a remote location without using a computer or available Internet connection. IP surveillance software is also included to manage up to 16 cameras simultaneously from your computer, send automated e-mail alerts, and record video to your hard drive when motion is detected.



TECHNICAL SPECIFICATIONS

NETWORK PROTOCOL SUPPORT

- + TCP/IP, RTSP, RTP, RTCP, HTTP, SMTP, FTP, NTP, DNS, DHCP, UPnP, DDNS, PPPoE

BUILT-IN NETWORK INTERFACES

- + 802.11g wireless LAN
- + 10/100BASE-TX Ethernet port

VIDEO ALGORITHM SUPPORT

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

VIDEO RESOLUTION

- + Up to 30fps at 160 x 120
- + Up to 30fps at 176 x 144
- + Up to 30fps at 320 x 240
- + Up to 30fps at 640 x 480

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
- + 1 Lux @ F2.0
- + AGC/AWB/AES
- + Electronic shutter: 1/60 to 1/15000 sec.
- + Standard fixed mount type lens 4mm, F2.0
- + 62° field of view

PAN/TILT/ZOOM

- + Pan range: +/- 150°
- + Tilt Range: +90° to -45°
- + Digital zoom: 4x

AUDIO

- + Sample rate: 16K to 128K (AAC), 4.75K to 12.2K (GSM-AMR)

MICROPHONE

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

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 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

REMOTE MANAGEMENT

- + Configuration accessible via web browser
- + Take snapshots/video clips and save to local hard drive via web browser

SURVEILLANCE

- (Motion detection weekly schedule)
- + Upload snapshots/video clips via email
- + Upload snapshots/video clips via FTP

VIEWING SYSTEM REQUIREMENTS

- + Operating System: Microsoft Windows XP, 2000
- + Browser: Internet Explorer v6.0 or above

SUPPORTED PDA, MOBILE PHONES & SOFTWARE

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

YOUR NETWORK SETUP



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

- + 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

DIAGNOSTIC LED

2 color LED

POWER INPUT

- + 12VDC 1.5A
- + Through 100 to 240 VAC 50/60Hz 0.4A external power adapter

POWER CONSUMPTION

4.8 watts

DIMENSIONS

110 (H) x 105 (W) x 112 (D) mm
(4.33 x 4.13 x 4.41 inches)

WEIGHT

393 grams (0.87 lb)

OPERATION TEMPERATURE

0° to 40° C (32° to 104° F)

STORAGE TEMPERATURE

-20° to 70° C (-4° to 158° F)

HUMIDITY

20% to 80% non-condensing

EMISSION (EMI), SAFETY & OTHER CERTIFICATIONS

- + FCC Class B
- + IC
- + CE
- + C-Tick

RADIO

EN 300 328-2 (07-2000)

SAFETY

EN60950

PACKAGE INCLUDES

- + DCS-5220 camera
- + External power adapter
- + Cat. 5 Ethernet cable
- + Quick Installation Guide
- + Master CD
- + Dipole antenna
- + Camera stand



¹ 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 RealPlayer TM or PacketVideo TM.

² 4x digital zoom enlarges an image by magnifying the pixels in a selected portion of the image by 4 times.

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D-Link Worldwide Offices

U.S.A	TEL: 1-800-326-1688	FAX: 1-866-743-4905	Spain	TEL: 34 93 409 0770	FAX: 34 93 491 0795	Iran	TEL: 90-212-289-5659	FAX: 90-212-289-7606
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223	Portugal	TEL: 351 21 8688493	FAX: 351 21 8622492	Pakistan	TEL: 92-21-454-8158	FAX: 92-21-453-5103
Europe (U. K.)	TEL: 44-20-8955-9000	FAX: 44-20-8955-9001	Greece	TEL: 30 210 9914 512	FAX: 30 210 9916902	Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300	Czech Republic	TEL: 420 224 247 500	FAX: 420 224 234 967	Latin America	TEL: 56-2-5838-950	FAX: 56-2-5838953
France	TEL: 33 1 30 23 86 88	FAX: 33 1 30 23 86 89	Hungary	TEL: 36 (0)1 461 30 00	FAX: 36 (0)1 461 30 04	Brazil	TEL: 55-11-2185-9300	FAX: 55-11-2185-9322
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331	Poland	TEL: 48 (0)22 583 92 75	FAX: 48 (0)22 583 92 76	South Africa	TEL: 27-12-665-2165	FAX: 27-12-665-2186
Belgium & Luxembourg	TEL: 32 (0)2 517 7111	FAX: 32 (0)2 517 6500	Bulgaria	TEL: 359 2 958 22 42	FAX: 359 2 958 65 57	Russia	TEL: 7-495-744-0099	FAX: 7-495-744-0099
Switzerland	TEL: 41 (0)1 832 11 00	FAX: 41 (0)1 832 11 01	Romania	TEL: 40(0)21 320 23 05	FAX: 40(0)21 320 23 07	Japan	TEL: 81-3-5781-0963	FAX: 81-3-5781-0965
Austria	TEL: 43 (0)1 240 27 270	FAX: 43 (0)1 240 27 271	Singapore	TEL: 65-6774-6233	FAX: 65-6774-63225	Korea	TEL: 82-2-890-5491	FAX: 82-2-890-549
Sweden	TEL: 46 (0)8 564 619 00	FAX: 46 (0)8 564 619 01	Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868	China	TEL: 86-10-58635800	FAX: 86-10-58635799
Denmark	TEL: 45-43-969040	FAX: 45-43-424347	India	TEL: 91-22-2652 6696	FAX: 91-22-2652 8914	Taiwan	TEL: 886-2-6600-0123	FAX: 886-2-6600-3939
Norway	TEL: 47 99 300 100	FAX: 47 22 30 90 85	Middle East (Dubai)	TEL: 971-4-391-6480	FAX: 971-4-390-8881	Headquarters	TEL: 886-2-6600-0123	FAX: 886-2-6600-9898
Finland	TEL: 358-10 309 8840	FAX: 358-10 309 8841	Egypt	TEL: 202-291-9035	FAX: 202-291-9051			
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723	Turkey	TEL: 90-212-289-5659	FAX: 90-212-289-7606			