



PAN & TILT WIRELESS N NETWORK CAMERA

3G MOBILE SUPPORT

View a live camera feed from your compatible 3G mobile phone or PDA¹

PAN/TILT/ZOOM

Enable high resolution monitoring while expanding the survey area with motorized pan/tilt and 16x zoom²

MOTION TRIGGERED RECORDING

Starts recording and sends e-mail alerts upon motion detection

FULL-FEATURED WIRELESS SURVEILLANCE CAMERA

D-Link DCS-5230 is a pan and tilt wireless network camera, ideal for small-to-medium business applications and remote monitoring over the Internet. The DCS-5230 is equipped with a 1.3 megapixel CMOS image sensor, built-in IR LED for low-light capture, micro SD card slot for front-end storage and a WPS button for home users to set up a wireless connection within minutes. It also features a built-in infrared LED for night surveillance. DCS-5230 introduces a 1.3 megapixel image sensor that is capable of 10 frames per second at full 1280 x 1024 pixel resolution, and 30 frames per second in 640 x 480 pixels VGA mode. Megapixel resolution provides stunning detail and clarity that is not seen in traditional analog and VGA cameras. In addition they provide large images, and greater power supply and consumption savings in comparison with the CCD sensor.

SHARP IMAGE MONITORING FROM DIFFERENT ANGLES

With sharp, responsive pan/tilt movement and digital zoom, DCS-5230 can monitor from different angles and quickly orientates to focus on any detail. In addition, this camera is designed as a standalone system with a CPU, web server, 16x digital zoom, and advanced video/audio surveillance remote monitoring utility. DCS-5230 provides high quality real-time videos in MPEG-4 and JPEG compression with QVGA/VGA/XGA/SXGA resolution for smoother performance.

VIEW LIVE VIDEO FROM A 3G MOBILE

A live feed from the camera can be accessed on a 3G mobile network by using a compatible mobile phone or PDA with a 3G video player. Users have a flexible and convenient way to remotely monitor a home or office in real time from anywhere within their 3GP service area.

INTELLIGENT & EASY TO USE

To save disk space and time, images can be recorded to a hard drive only when motions are detected. This eliminates the need for round-the-clock non-stop surveillance. Images can be recorded manually or by a pre-set schedule. Playback consumes little time with triggered event browsing and fast database searching. Users can also set up automated e-mail alerts for all the unusual events. D-ViewCam is included for monitoring and managing 32 cameras in a single display from a central location. Furthermore, the camera provides a Privacy Mode option. Users can set a schedule to hide the camera lens. So, when the camera enters into the privacy mode, the lens rotates backwards and hides to protect the privacy of the owner. The camera adheres to the Universal Plug-n-Play specification, which allows computers running on Windows XP/Vista to automatically recognize the camera and add it to the network. Users can sign up with one of the many free Dynamic DNS services available on the web and 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.

WHAT THIS PRODUCT DOES

DCS-5230 is a wireless 802.11n pan/tilt network camera with mega-pixel resolution designed for indoor surveillance applications and detail remote monitoring. The built-in Wireless N module provides speeds of up to 300 Mbps and much wider operation range than the normal 802.11g WLAN. With 3G video support and built-in infrared LED for night surveillance, this camera provides day and night real-time monitoring from anywhere within a 3G mobile service. It is equipped with a 0.5 lux CMOS sensor to deliver exceptional picture quality under varied lighting conditions. The motorized pan/tilt controls with 16x digital zoom allows you to zoom in on images and also instantly take snapshots while remotely viewing the video feeds from a Web browser. Other added features include a PIR sensor for motion detection, WPS button for a secure and easy wireless setup. The DCS-5230 delivers high quality real-time videos in MPEG-4 and JPEG that simultaneously allows systems to be optimized for both image quality and bandwidth efficiency making it an ideal security surveillance for small businesses and homes.

REMOTE MONITORING

DCS-5230 features the 3G mobile video support, enabling users to view a live video feed from their camera on a compatible 3G mobile phone or PDA anywhere in a 3G coverage area. This allows users to remotely monitor the camera without having to use a computer. D-ViewCam, IP video management software is also included to manage up to 32 cameras simultaneously from your computer, send automated e-mail alerts, and record video to your hard drive when motion is detected.

TECHNICAL SPECIFICATIONS

CAMERA SPECIFICATIONS

- 1.3 Mega pixel 1/3" CMOS sensor
- Standard fixed mount type lens, 3.98 mm lens, 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

LED INDICATORS

- Link/Power: Green/Red
- WPS: Blue

RESET BUTTON

- Reset to factory default settings

VIDEO FEATURES

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

VIDEO ALGORITHM SUPPORT

- JPEG for still images
- Enhanced video compression using MPEG4 Simple Profile
- MPEG4/MJPEG dual format compression

VIDEO RESOLUTION

- VGA (640 x 480)
 - 640 x 480 at 30 fps
 - 320 x 240 at 30 fps
 - 160 x 120 at 30 fps
- XGA (1024 x 768)
 - 1024 x 768 at 10 fps
 - 512 x 384 at 10 fps
 - 256 x 192 at 10 fps
- SXGA (1280 x 1024)
 - 1280 x 1024 at 10 fps

PAN/TILT/ZOOM

- Pan Range: 130° ~ -180°
- Tilt Range: +5° ~ -85°
- Digital Zoom: 16x

MICROPHONE

- Omni-directional
- Frequency 20 to 20,000 Hz
- S/N ratio: over 58 dB

AUDIO

- Sampling Rate:
 - GSM-AMR: 12.2 Kbps
 - PCM: 8 Kbps

NETWORK CONNECTIVITY

- 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
 - IEEE 802.11n: Up to 300 Mbps
 - 802.11b: 11, 5.5, 2 and 1 Mbps
 - 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6 Mbps
- Receiver Sensitivity
 - 802.11b:
 - 11 Mbps (CCK): -84 dBm
 - 5.5 Mbps (CCK): -86 dBm
 - 2 Mbps (DQPSK): -88 dBm
 - 1 Mbps (DBPSK): -90 dBm
 - (typically @PER < 8% packet size 1024 and @25° C + 5° C)
 - 802.11g:
 - 54 Mbps (OFDM): -66 dBm
 - 48 Mbps (OFDM): -70 dBm
 - 36 Mbps (OFDM): -76 dBm
 - 24 Mbps (OFDM): -79 dBm
 - 18 Mbps (OFDM): -83 dBm
 - 12 Mbps (OFDM): -85 dBm
 - 9 Mbps (OFDM): -86 dBm
 - 6 Mbps (OFDM): -86 dBm
 - (typically @PER < 10% packet size 1024 and @25° C + 5° C)
- Transmitter Output Power
 - 802.11n: 12 dBm (typical)
 - 802.11g: 12 dBm (typical)
 - 802.11b: 16 dBm (typical)
- Antennas
 - 2 dBi Gain dipole antenna with reverse SMA plug
 - Operating Frequency: 2.4 Ghz

NETWORK INTERFACE

- IEEE 802.11n
- 10/100BASE-TX Fast Ethernet with auto-MDI/MDIX support
- NETWORK PROTOCOL SUPPORT
 - IPv4, ARP, TCP, UDP, ICMP, DHCP Client, NTP Client (D-Link), DNS Client, DDNS Client (D-Link), SMTP Client, FTP Client, HTTP Server, Samba Client, PPPoE, RTP, RTSP, RTCP, 3GPP

REMOTE MANAGEMENT

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

SECURITY

- Administrator and user group protected
- Password authentication
- Wireless LAN security: 64/128-bit WEP, WPA-PSK and WPA2 data encryption



SURVEILLANCE

(Motion detection weekly schedule)

- Upload snapshots/video clips via email
- Upload snapshots/video clips via FTP

SYSTEM REQUIREMENTS

- Operating System: Microsoft Windows Vista/XP/7/ Linux/ MAC OS X10.3 or above
- 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, Vista

POWER INPUT

- 12 V, 1.25 A switching power adapter
- External AC-to-DC switching power adapter

POWER CONSUMPTION

- 6 watts maximum

DIMENSIONS (L x W x H)

- 110 x 105 x 112 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

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™ or PacketVideo™.

² 16x digital zoom enlarges an image by magnifying the pixels in a selected portion of the image by 16 times. 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.

³ The wireless router must also support WPS function to connect to the network camera.

- -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-5230 camera
- External power adapter
- CAT5 Ethernet cable
- Quick Installation Guide
- Master CD
- Camera stand



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