



## PAN & TILT WIRELESS N NETWORK CAMERA

### MYDLINK-ENABLED

View your camera anywhere, anytime through the mydlink website, or through the mydlink app for iOS and Android

### PAN/TILT/ZOOM FOR FULL COVERAGE

Keep watch over a large area with pan/tilt camera movement, and 16x digital zoom lets you get a closer look at what's happening <sup>1</sup>

### MOTION TRIGGERED RECORDING

Motion detected by the built-in PIR sensor can trigger automatic recordings, snapshots, and e-mail notifications



### FULL-FEATURED WIRELESS SURVEILLANCE CAMERA

D-Link DCS-5230L Pan & Tilt Wireless N Network Camera is a pan and tilt wireless network camera, ideal for small-to-medium business applications and remote monitoring over the Internet. It gives you detailed remote surveillance of a large area by using a 1.3 megapixel CMOS image sensor for high-quality video and a built-in IR illuminator for low-light surveillance. The DCS-5230L can also be connected to your network wirelessly, allowing you to place the camera anywhere, and eliminating the need to install network cabling.

### A COMPLETE SURVEILLANCE SYSTEM

The DCS-5230L includes a built-in CPU, allowing it to be used as a complete, standalone surveillance system. Recordings can be made continuously, whenever movement is detected, or according to a schedule you define. E-mail notifications can be sent when specific events occur, keeping you informed of what's going on. Slot in a micro-SD Card to record snapshot when motion is detected. The DCS-5230L can also be used as part of a multi-camera surveillance system through the included D-ViewCam software, which supports up to 32 cameras.

### SHARP IMAGE MONITORING FROM DIFFERENT ANGLES

With sharp, responsive pan/tilt movement and digital zoom, the D-Link Pan & Tilt Wireless N Network Camera gives you full control, so you can quickly scan a wide area from a variety of angles, and 16x digital zoom lets you zoom in for more detail.<sup>1</sup> The DCS-5320L can also be set to automatically move to specific preset positions, allowing the camera to patrol and secure a wide area.

### MYDLINK FOR EASY SETUP AND REMOTE VIEWING ON YOUR PHONE

D-Link's convenient mydlink™ zero-configuration setup gets you up and running in no time – just connect the DCS-5320L, then register the device on the mydlink™ website. The DCS-5320L will then automatically configure itself and connect to the mydlink™ service, which gives you convenient access to your video feeds through the mydlink website. You can even view your camera feeds on your smart phone or tablet with the mydlink iOS and Android apps so you can stay in touch on the go.<sup>2</sup>

### WHAT THIS PRODUCT DOES

DCS-5230L Pan & Tilt Wireless N Network Camera is a Wireless N pan/tilt network camera with megapixel resolution designed for indoor surveillance applications and detailed remote monitoring. The camera is also mydlink-enabled, which provides user-friendly setup and instant remote viewing through the mydlink website or through the mydlink app for iOS and Android devices.

### FLEXIBLE SURVEILLANCE

Equipped with a 0.5 lux CMOS sensor, the D-Link Pan & Tilt Wireless N Network Camera delivers exceptional picture quality even in low-light conditions. The motorized pan/tilt controls and 16x digital zoom allow you to monitor a large area and zoom to view fine details, and the PIR sensor detects movement in the area and can trigger recordings. The DCS-5230L can record snapshots and video to your computer, or a microSD card. Camera video can be viewed remotely through a web browser, or through a mobile device running the mydlink app for iOS and android. Furthermore, the camera provides a Privacy Mode option, which allows you to set a schedule to enter privacy mode, which rotates the lens backwards to protect your privacy.

### FAST WIRELESS CONNECTION

The DCS-5230L uses 802.11n to provide wireless speeds of up to 300 Mbps and a large coverage area. This creates a solid wireless connection to your network, giving you the freedom to place the camera wherever you need it in your home without the need to install a network cable to the installation location.

## TECHNICAL SPECIFICATIONS

#### CAMERA SPECIFICATIONS

- 1.3 megapixel 1/3" CMOS sensor
- Standard fixed mount type 3.98 mm lens, F2.0
- AGC/AWB/AES
- Electronic shutter: 1/60 to 1/15000 sec.
- 62° field of view

#### LED INDICATORS

- Link/Power
- WPS

#### 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: -180° to 130°
- Tilt Range: -85° to 5°
- Digital Zoom: 16x<sup>2</sup>

#### 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

#### RADIO AND MODULATION SCHEMES

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

#### OPERATING FREQUENCY

- 2400 to 24835 MHz

#### WIRELESS DATA RATES

- IEEE 802.11n: Up to 300 Mbps
- IEEE 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6 Mbps
- IEEE 802.11b: 11, 5.5, 2 and 1 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, 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
- WPA2/WPA-PSK/WEP(64/128-bit) wireless encryption

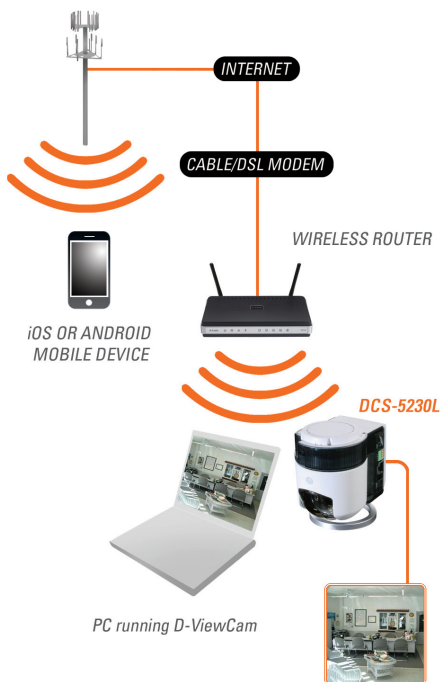
#### SURVEILLANCE

- Record video continuously
- Record video according to a weekly schedule
- Record video when motion is detected
- Upload snapshots/video clips via e-mail
- Upload snapshots/video clips via FTP

### D-VIEWCAM SOFTWARE

D-ViewCam IP video management software is included with the DCS-5230L, and allows you to manage up to 32 cameras simultaneously from your computer. View multiple camera video feeds simultaneously, review previous surveillance footage, send automated e-mail alerts, record video to your hard drive when motion is detected, and much more.

### YOUR NETWORK SETUP



### TECHNICAL SPECIFICATIONS (CONT.)

#### SYSTEM REQUIREMENTS

- Operating System: Microsoft Windows 7/Vista/XP SP3, Mac OS X 10.3 or higher, Linux
- Browser: Internet Explorer 6 or higher

#### SUPPORTED MOBILE DEVICES<sup>2</sup>

- Mobile devices with a 3GPP player, such as Packet Video Player 3.0, QuickTime 6.5, or Real Player 10.5
- mydlink app requires a mobile device running iOS or Android

#### 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

- -20 to 70 °C (-4 to 158 °F)

#### HUMIDITY

- 20% to 80% non-condensing

#### CERTIFICATIONS

- FCC Class B
- IC
- CE
- C-Tick
- EN 300 328-2 (07-2000)
- EN60950

#### PACKAGE CONTENTS

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

<sup>1</sup> 16x digital zoom enlarges an image by magnifying the pixels in a selected portion of the image by 16 times.

<sup>2</sup> The mobile device must have a mobile or WiFi data connection. Non-iOS/Android playback devices must be equipped with 3G video playback software such as RealPlayer™ or PacketVideo™.

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.



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