



## **DCS-2102 MEGAPIXEL INTERNET CAMERA**

## **DCS-2121 MEGAPIXEL WIRELESS INTERNET CAMERA**

### **FULL DUPLEX 2-WAY AUDIO**

Listen and talk at the same time when connected to an external speaker.

### **DUAL MODE RECORDING**

Simultaneous MJPEG and MPEG-4 streams allow optimization of both image quality and bandwidth efficiency.

### **LOW LIGHT RECORDING**

0.5 lux light sensitivity allows you to capture video in rooms with minimal lighting, making it ideal for use in low-light environments.

### **PRODUCT DESCRIPTION**

The DCS-2102/2121 is a versatile and unique surveillance solution for your small office or home. Unlike a standard webcam, the DCS-2102/2121 is a complete system with a built-in CPU and web server that transmits high quality video images for security and surveillance. The DCS-2102/2121 can be accessed remotely and controlled from any PC or notebook over the local network or through the Internet via a web browser. The simple installation and intuitive web-based interface offer easy integration with your Ethernet/Fast Ethernet or 802.11g wireless network. The DCS-2102/2121 also comes with remote monitoring and motion detection features for a complete and cost-effective home security solution.

### **WIRELESS G CONNECTIVITY**

The DCS-2121 offers both 802.11g wireless and Ethernet/Fast Ethernet connectivity, making the DCS-2121 easy to integrate into your existing network environment. The DCS-2121 works with a 10Mbps Ethernet based network or 100Mbps Fast Ethernet based network for traditional wired environments and works with 802.11g routers or access points for added flexibility. The Site Survey feature also allows you to view and connect to nearby wireless networks.

### **SNAPSHOTS, RECORDING & STORAGE**

Using the Snapshot and recording features, you can save snapshots and record video and audio directly from the web browser to a local hard drive without installing any software, making it convenient to instantly capture any moment from a remote location. The DCS-2102/2121 allows you to record directly to a local network area storage device without the use of a dedicated PC for storing recorded video.

#### SURVEILLANCE SOFTWARE

Included with DCS-2102/2121, D-ViewCam 2.0 IP camera surveillance software is a comprehensive surveillance system designed to centrally manage multiple IP cameras for home, Small Office and Home Office (SOHO), or Small and Medium Business (SMB) users. Supporting up to 32 IP cameras, D-ViewCam 2.0 is compatible with all current D-Link IP cameras, offering digital monitoring and recording capabilities of video, audio, and events for various security applications. This software provides users with a wide array of features for added convenience, including video recording and playback, Video mode, Map mode, Wizard mode, Expert mode, Event Action, and more, offering users powerful surveillance software that's easy to use.

#### KEY FEATURES

- + Remotely monitor your home or office over the Internet
- + Web-based recording to local hard drive – no software required
- + Includes D-ViewCam 2.0 for multi-camera monitoring and management
- + Motion detection to trigger recording and send e-mail alerts
- + DDNS support for web access and easy to remember domain name
- + Administrator/User password protection
- + UPnP support for network setup and configuration
- + Megapixel CMOS sensor (1280x1024)
- + 0.5 lux CMOS sensor for low light environments
- + 3GPP mobile surveillance support
- + SD card slot for front-end storage
- + DI/DO interface
- + Simultaneous MJPEG and MPEG-4 streams allow optimization of both image quality and bandwidth efficiency
- + WPS support for easy network setup (DCS-2121)
- + 802.11g wireless connectivity (DCS-2121)

#### OS SUPPORT

Device  
+ Windows 2000 / Windows XP / Windows Vista / 3GPP

Utility  
+ Windows 2000 / Windows XP / Windows Vista

#### NETWORKING PROTOCOL

- + IPv4, ARP, TCP, UDP, ICMP
- + DHCP Client + NTP Client
- + DNS Client + DDNS Client
- + SMTP Client + FTP Client
- + HTTP Server + Samba Client
- + PPPoE + RTP
- + RTSP + RTCP
- + 3GPP

#### LAN

- + 10/100BASE-TX port
- + IEEE 802.3 compliant
- + IEEE 802.3u compliant
- + Supports Full-Duplex operation
- + MDI/MDIX auto-negotiation
- + 802.3x Flow Control support for Full-Duplex mode

#### WIRELESS CONNECTIVITY

(DCS-2121 only)  
802.11b/g Wireless with WEP/WPA/WPA2 Security

#### WIRELESS TRANSMIT OUTPUT POWER

(DCS-2121 only)  
16dbm for 11b, 12dbm for 11g (typical)

#### WIRELESS RECEIVER SENSITIVITY

(DCS-2121 only)  
(11g Packet Error Rate < 10%)  
+ 54Mbps: <-66dbm  
(11b Packet Error Rate <8%)  
+ 11Mbps: <-82dbm

#### VIDEO CODEC

MPEG-4/MJPEG

#### AUDIO CODEC

- + GSM-AMR: 8kbps,
- + ADPCM: 8Kbps

#### SENSOR

¼ inch color 1.3MP CMOS Sensor

#### SDRAM

64 Mbytes

#### FLASH MEMORY

8 Mbytes

#### SD-CARD SLOT

Supports up to 16GB

#### LENS

Focal Length: 5.01mm, F2.8

#### MIC

50dB +/- 3dB, Omni-directional

#### I/O CONNECTORS

- + 1 Input (photo relay, active high 12V, +/-3V, dropout: 0 VDC)
- + 1 Output (photo relay, Close circuit current: AC 70mA or DC 100mA; 400hm; Open circuit voltage: 240 VAC or 350VDC)

#### AUDIO OUT

Yes

#### RESET BUTTON

Reset to factory default

#### VIDEO ALGORITHM SUPPORTED

- + MPEG-4/MJPEG simultaneous dualformat compression
- + JPEG for still image

#### VIDEO FEATURES

- + Adjustable image size and quality
- + Time stamp and text overlay
- + Flip and Mirror

#### VIDEO RESOLUTION

Sensor Output Modes:

- VGA (640 X 480)
- + 640 x 480 at 30fps
- + 320 x 240 at 30fps
- + 160 x 120 at 30fps

XGA (1024 X 768)

- + 1024 x 768 at 10fps
- + 512 x 384 at 10fps
- + 256 x 192 at 10fps

SXGA (1280 x 1024)

- + 1280 x 1024 at 10fps

#### LUX

0.5 lux@F2.8

#### 3A CONTROL

- + AGC (Auto Gain Control)
- + AWB (Auto White Balance)
- + AES (Auto Electronic Shutter)

#### FREQUENCY

50~16000Hz

#### SIGNAL/NOISE RATIO

50dB +/- 3dB, Omni-directional

#### PHYSICAL ENVIRONMENT

- Power
- + 5V 2.5A switching power adapter
- + External AC-to-DC Switching Power Adapter

#### MAX POWER CONSUMPTION

- + 6W
- + Input: 100-240VAC, 50/60Hz
- + Output: 5VDC, 2.5A

#### DIMENSION (WxDxH)

71.9mm x 110.0mm x 37mm  
(without bracket and stand)

#### WEIGHT

- + DCS-2121: 281.4g (without bracket and stand)
- + DCS-2102: 265.3g (without bracket and stand)

#### OPERATION TEMPERATURE

0° to 40°C (32° to 104°F)

#### STORAGE TEMPERATURE

-20° to 70°C (-4° to 158°F)

#### HUMIDITY

20-80% RH non-condensing

#### EMISSION (EMI), SAFETY & OTHER CERTIFICATIONS

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



ACN 052 202 838

D-Link Corporation

No. 289 Xinhu 3rd Road, Neihu, Taipei 114, Taiwan

Specifications subject to change without notice.

D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries.

All other trademarks belong to their respective owners.

Release 01 (May, 2008)