



## WIRELESS DAY & NIGHT NETWORK CAMERA WITH 3G MOBILE VIDEO SUPPORT

### 24-HOUR SURVEILLANCE

A CMOS sensor with low lux sensitivity produces high-quality images under varied lighting conditions.

### TRIPLE CODEC & MULTIPLE PROFILES

Optimized image quality and bandwidth efficiency with separate profiles for web viewing, 3G mobile viewing, and recording.

### WIRELESS CONNECTIVITY

Can be accessed anytime, anywhere over a wireless 802.11b/g/n network.

### FULL-FEATURED WIRELESS SURVEILLANCE CAMERA

D-Link DCS-3430 is a versatile day and night wireless network camera, ideal for small-to-medium business applications and remote monitoring capabilities over the Internet. The camera employs a superior CMOS sensor with low lux sensitivity to deliver a truly superior image quality under varied lighting conditions. The DCS-3430 is equipped with 2 digital input ports for sensors or alarms, 1 digital output port for an alarm, 1 power output port for an LED illuminator and a BNC connector which provides both analog and digital interface video transmissions. An RS-485 port is also included for external pan/tilt devices. Additionally, the 12V interface provides power for an optional LED illuminator. A built-in Infrared Cut Removable (ICR) filter in the DCS-3430 allows the camera to capture images in both good light and low light conditions by switching the infrared cut filter. Additional items such as an auto iris lens, IR LED lens or a night vision illuminator can be added to the DCS-3430. The DCS-3430 can be placed anywhere on the network either through a wired Ethernet or wireless 802.11 b/g/n connection. You can also instantly take snapshots while remotely viewing the video feeds from a Web browser.

### VIEW LIVE VIDEO FROM A 3G MOBILE PHONE!

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. Anywhere within the 3GPP service area, users have a flexible and convenient way to remotely monitor a home or office in real time.

### REMOVABLE IR CUT FILTER FOR CONTINUOUS MONITORING

The IR Cut Filter can be manually applied via web GUI, or set to automatically adjust based on lighting conditions. This feature enables the camera to capture crisp color images during the daytime, and grayscale images in low-light.

### TRIPLE CODEC & MULTIPLE PROFILES

To maximize bandwidth efficiency and improve image quality, DCS-3430 provides real-time video compression in MJPEG, MPEG-4 and H.264 formats. Furthermore, the DCS-3430 supports 4 separate profiles simultaneously and is capable of recording in MJPEG, MPEG-4 and H.264 compression with D1/CIF/QCIF resolution for a smooth performance. This kind of versatility enables the use of a wide variety of security applications, whether it's keeping an eye on your home during lunch through a 3G enabled PDA, managing an organized directory of recorded video files on a network attached storage (NAS) device/SD card, or fine-tuning a security system in real-time over the local network.

#### WHAT THIS PRODUCT DOES

The DCS-3430 is a wireless day & night camera, equipped with a CMOS sensor to deliver exceptional picture quality under varied lighting conditions. The camera can be placed anywhere on the network either through a wired Ethernet or wireless 802.11 b/g/n connection. The DCS-3430 features digital input/output connectors making it possible to connect sensors and alarms with this camera and comes with a RS-485 interface, for controlling an optional pan/tilt device, over an IP network. The camera is housed in an aluminum casing for maximum heat dissipation and protection against tampering. A built-in Infrared Cut Removable filter allows the camera to capture images in both good light and low light conditions, making it suitable for all surveillance applications.

#### SURVEILLANCE SOFTWARE

D-ViewCam software is included to manage up to 32 cameras simultaneously, send automated e-mail alerts, and record video to your hard drive when motion is detected or according to a set schedule. You can also connect the camera to I/O sensors, and set up the system to send automated e-mail notifications for unusual events.

#### KEY FEATURES

- View live video streams from a 3G mobile phone or PDA
- Simultaneous Motion JPEG and MPEG-4, H.264 streaming for optimized image quality and bandwidth-efficiency
- Simultaneous profile support: web viewing, 3G mobile viewing, and video recording
- Motion adaptive de-interlacing for high-quality video of moving objects
- RS-485 support for an external PT device
- Low light recording and 16X digital zoom
- BNC connector to integrate the network camera into a CCTV network
- Digital I/O support for sensors and alarms
- 12V 200mA DC power output for LED lens
- Optional Auto-Iris lens or IR LED lens for low light or night vision
- Save snapshots/video clips to local hard drive via web browser or to NAS or SD card

#### TECHNICAL SPECIFICATIONS

##### CAMERA SPECIFICATIONS

- Built-in 1/4" CMOS sensor
- Built-in IR-cut removable filter
- Minimum illumination: 0.5 lux @ F1.8 (typical); 0 lux (10 meter range with optical IR lens)
- CS mount lens: 6mm, F1.8
- Resolution: 640 x 480
- Electronic Shutter:
  - NTSC: 1/60 ~ 1/100,000 sec.
  - PAL: 1/50 ~ 1/110,000 sec.
- Lens mount support: Auto-Iris or IR lens (10meter range)
- Field of view: 51° diagonal, 31°vertical, 41° horizontal

##### LED INDICATORS

- Link & Activity
- Power

##### RESET BUTTON

- Reset to factory default settings

##### EXTERNAL DEVICE INTERFACE

- 2 Inputs:
  - 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: 240VAC or 350VDC
  - Power output: 12V DC 200mA
- RS-485 connector for external PT devices

##### MEMORY

- SDRAM: 64 MBytes
- Flash Memory: 8 MBytes

##### VIDEO FEATURES

- Adjustable image size, quality and bit rate
- Time stamp and text overlays
- Motion adaptive de-interlacing

##### VIDEO RESOLUTION

- NTSC support:
  - up to 30 fps at 176x120
  - up to 30 fps at 352x240
  - up to 30 fps at 704x480
- PAL support:
  - up to 25 fps at 176x144
  - up to 25 fps at 352x288
  - up to 25 fps at 704x576

##### VIDEO ALGORITHM SUPPORT

- JPEG for still images
- MJPEG/ MPEG4/H.264 multi-profile compression
- Supports up to 4 video profiles simultaneously
- Supports 3GPP mobile surveillance

##### DIGITAL ZOOM

- 16X

##### MICROPHONE

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

##### AUDIO

- Sampling Rate:
  - GSM-AMR: 12.2Kbps
  - PCM: 8Kbps
- Full duplex audio communication

##### NETWORK CONNECTIVITY

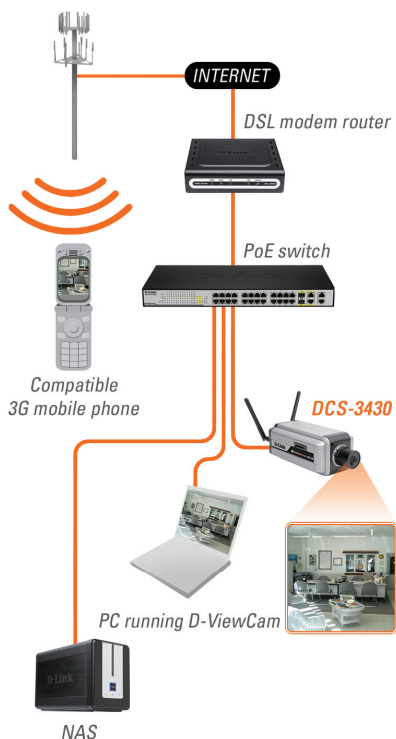
- 10/100 Mbps Fast Ethernet Auto-negotiation
- Frequency Range and Channels
  - 2.412-2.4835 GHz
  - 3 Channels (depend on Area)
- Transmit ion: 2TX, 2RX
- Data Rate:
  - IEEE 802.11n: From MCS0 to MCS15
  - IEEE 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps
  - IEEE 802.11b: 11, 5.5, 2, 1 Mbps
  - Auto-select or manual
- Output Power
  - 12 dBm@11n (Typical)
  - 12 dBm@11g (Typical)
  - 16 dBm@11b (Typical)
- Sensitivity
  - 802.11n: Packet Error Rate < 10%, MCS6 < -66 dBm
  - 802.11g: Packet Error Rate < 10%, 54Mbps < -66 dBm
  - 802.11b: Packet Error Rate < 8%, 11Mbps < -82 dBm
- Antenna
  - Connector: MHF
  - Operating Frequency: 2.4GHz
- Security
  - WEP
  - WPA-PSK
  - WPA2

##### NETWORK INTERFACE

- IEEE 802.3/802.3u 10/100BASE-TX Ethernet port
- Supports full-duplex operations
- Supports 802.3x Flow Control in full-duplex mode

### DCS-3430

#### YOUR NETWORK SETUP



#### NETWORK PROTOCOL SUPPORT

- IPv4, ARP, TCP/IP, UDP, RTSP, RTP, RTCP, HTTP, SMTP, FTP, NTP, DNS, DHCP, UPnP, DDNS, PPPoE, Samba Client, 3GPP

#### REMOTE MANAGEMENT

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

#### SECURITY

- Administrator and user group protected
- Password authentication

#### D-VIEWCAM SOFTWARE FUNCTIONS

- Remote management/control of up to 32 cameras
- Viewing of up to 32 cameras on one screen
- Management functions are provided in the web interface
- Scheduled, motion triggered, or manual recording options

#### SYSTEM REQUIREMENTS

- Operating System: Microsoft Windows 2000, XP or Vista
- Browser: Internet Explorer, Firefox, Mozilla or Opera
- 3GPP Mobile Phone

#### POWER INPUT

- 100-240V AC, 50/60Hz, 0.4A

#### POWER OUTPUT

- 12V DC, 1.25A

#### POWER CONSUMPTION

- 6.9 watts maximum

#### POWER SUPPLY

- External AC to DC switching power adapter
- Type: USA/UK/EUR/AUS/CN

#### DIMENSIONS

- 177(L) x 78(W) x 60(H)mm

#### WEIGHT

- 577.8 grams

#### 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

#### OPTIONAL ACCESSORIES

- Auto Iris lens
- IR lens for night vision
- Illuminator for night vision
- External Speakers
- External all-weather vandal proof housing

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

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

<sup>1</sup> The mobile device must have 3G support and subscribe to 3G service from a service provider. The playback device must be equipped with 3G video playback software such as RealPlayer™ or PacketVideo™.



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