

D-Link Corporation
External Specification

Wireless Megapixel Internet Camera with 3G
Mobile Video

DCS-2121 ver. A1

Version 1.0

Date: 2007/11/9

1.0 Introduction

DCS-2121 is the entry level network cameras with mega-pixel resolution for indoor surveillance applications and detail remote monitoring. Equipped with a 1.3 Mega-pixel (1280x1024) CMOS sensor delivering superior image details.

2.0 Product Features

2.1 Features

- Mega-pixel (1280x1024) CMOS sensor
- 0.5 lux CMOS sensor can capture video in low-light environments
- 3GPP mobile surveillance
- 2-way audio
- SD card slot for front-end storage
- DI / DO interface
- The Motion JPEG and MPEG-4 streams simultaneous allow systems to be optimized for both image quality and bandwidth-efficiency.
- WPS support
- Support 3 profiles simultaneously
i.e. Using CIF, MPEG4 for Web Viewing, QCIF, MPEG4 for 3G Mobile Viewing, and D1, MJPEG for Recording

2.2 H/W Features

2.2.1 Specification

Key Components / Performance	
Audio codec	ADPCM, AMR
Ethernet interface controller	10/100BaseT
Wireless	IEEE 802.11g
Sensor	1.3 Mega pixel 1/4" CMOS Sensor
SDRAM	64 MBytes
Flash Memory	8 Mbytes
Lens	4.5mm lens, F2.8
Port Functions	
LAN	10/100BaseT ports x1 Compliant to following standards: IEEE 802.3 compliance IEEE 802.3u compliance Support Full-Duplex operations MDI/MDIX auto-negotiation 802.3x Flow Control support for Full-Duplex mode Supported IEEE 802.11g standard
I/O Connector	4 pin-contact terminal block 1x input(2pins), 1x output(2pins)
Audio Out	600mV
Reset Button	Reset to factory default (maintenance only)

Power Consumption	Max 6W
Power Adaptor	Input: 100-240VAC, 50/60Hz Output: 5VDC, 2.5A
Storage	SD card slot
WPS Button	WPS setting

2.2.2 LED indicators

Location	LED Indicative	Color	Status	Description
Per Device	Link/Power	Green	Off	Link down
			On	Link up
			Blinking	Traffic
	Red	Off	Link up	
		On	Power on	
	WPS	Blue	Off	Fail
On			Setup complete	
Blinking			Setting	

2.3 Software Features

Feature Item	Feature	Detailed Description
Networking	Protocol	<ul style="list-style-type: none"> • 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 • LLTD • SSL • SIP • UPnP-x • UPnP AV
	Ethernet	10/100M BaseT Fast Ethernet auto negotiation
	Wireless	WPS, WMM
Wireless	Security	WEP, WPA-PSK, WPA2
Video	Algorithm support	MPEG4/MJPEG dual format compression simultaneously JPEG for still image (up to 1280 x 1024)
	Display type	Support ActiveX, Java

	Multi-profile	Support 3 profiles above simultaneously
	Features	Adjustable image size and quality Time stamp and text overlay Three configurable motion detection windows Flip & mirror
	Resolution	Up to 10 frames at 1024x768 Up to 30 frames at 640x480 Up to 30 frames at 320x240 Up to 30 frames at 160x120
	Digital zoom	Up to 10X (2 nd release)
	Min. illumination	0.5 lux@F2.8
	3A control	AGC, AWB, AES
	BLC	Yes
	Electronic shutter	1/60(1/50)~1/15,000 sec
Microphone	Directional	Omni-directional
	Frequency	50 ~ 16000Hz
	S/N ratio	6mm, - 40 db + 3db
LED		Enable/Disable
Security	Login authentication	Default Admin ID/PWD Admin/space
Firmware	Upgrade failure protection	Backup boot loader code

2.4 OS Support

2.4.1 Device

Windows 2000 / Windows XP/ Windows Vista/ Linux/ MAC OS X10.3 or above / Pocket PC/ 3GPP Mobile Phone

2.4.2 Utility

Windows 2000 / Windows XP/ Windows Vista

3.0 Physical & Environment

3.1 Power

- 5V2.5A switching power adapter
- External AC-to-DC Switching Power Adapter
- Type: USA /UK /EUR /AUS /CN (Order by each territory)

3.2 Operation Temperature

- 0 to 40 (32 to 104)

3.3 Storage Temperature

- - 20 to 70 (-4 to 158)

3.4 Humidity

- 20-80% RH non-condensing

4.0 Emission (EMI), Safety & Other Certifications

- FCC
- IC
- CE
- C-Tick

5.0 Box Included

- Internet Camera x 1

- 5V2.5A External Power Adapter x 1
- CAT5 Ethernet cable x 1
- Quick Installation Guide x 1
- Master CD x 1
- Camera stand bracket x 1
- Antenna x 1