

**D-Link Corporation**  
**External Specification**

**DCS-2103:**

**HD Cube Network Camera**

**DCS-2130:**

**HD Wireless Cube Network Camera**

**DCS-2103, DCS-2130 ver. A1**

***Version 0.9***

Date: 2012/12/29

Approved	BU Checked	Checked	PP
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## DCS-2103,DCS-2130 external spec. Revision History

Version	Revised Date	Person Name	Content Revised
0.9	2010/12/29	Emil Tseng	First Edition

## 1 Introduction

DCS-2103, DCS-2130 are targeted at high end consumer application, and it's the first HD H.264 wire/wireless cube network camera of D-link surveillance product line for mass market

HD CMOS sensor achieves low noise and high resolution sensor with H.264 high compression rate codec capability for network surveillance application. Given the excellent video quality and small form factor are designed for SOHO market IP camera product line.

DCS-2130 built-in 802.11N with WPS design is easy install in home and small office environments without professional installer.

## 2 Product Features

### 2.1 Features

- OmniVision 1 Megapixel HD resolution progressive CMOS sensor
- HD resolution real-time H.264, MPEG-4 and Motion JPEG compression
- Support ONVIF Standard
- Simultaneous multi-stream support
- Local SD storage
- DI / DO
- Two way audio
- Built-in MIC
- Support Audio out phone jack
- SD Card local storage
- 3GPP mobile surveillance
- Privacy Mask
- DCS-2130 support 802.11N
- DCS-2130 support WPS

#### 1.1.1 H/W Features

Key Components / Performance	
Ethernet interface controller	10/100 BaseT
Sensor	1/4" OmniVision CMOS Sensor
SDRAM	DDR2 128 Mbytes
Flash Memory	NAND Flash 32 Mbytes
Lens	Board lens
Filter	IR Filter
WDR	No
PIR Sensor	No
IR LED	No
Light Sensor	No
Port Functions	

LAN	10/100 BaseT ports x1 (Without LED) Compliant to following standards: IEEE 802.3 compliance IEEE 802.3u compliance Support Full-Duplex operations 802.3x Flow Control support for Full-Duplex mode
Wireless	IEEE 802.11n/b/g (DCS-2130)
WPS Button	Yes (DCS-2130)
Built-in Microphone	Yes
External Microphone Input	No
Audio Output	3.5" phone jack
I/O Connector	4 pin-contact terminal block (DC 5V, DI, DO, GND)
Card Slot	MicroSD card (SDHC )
RS 485	No
Reset Button	Reset to factory default (press 10 seconds)
Power supplier	DC power adaptor: (D-Link standard) Input: 100-240VAC, 50/60Hz Output: 5VDC, 1.2A AC power: No
Antenna	Connector: MHF Operating Frequency: 2.4Ghz

## 1.1.2 LED indicators

Location	LED Indicative	Color	Status	Description
Per Device	Link/Act	Green	Off	Link Down
			On	Link Up
			Blinking	Traffic
	Power	Red	On	power on
			Off	Link Up
	WPS (DCS-2130)	Blue	Off	Fail
			On	Setup complete
			Blinking	Setting

## 1.2 Software Features

Feature Item	Feature	Detailed Description
Networking	Protocol	<ul style="list-style-type: none"> <li>IPv4, ARP, TCP, UDP, ICMP</li> <li>DHCP Client</li> <li>NTP Client (D-Link)</li> <li>DNS Client</li> <li>DDNS Client (D-Link)</li> <li>SMTP Client</li> </ul>

		<ul style="list-style-type: none"> <li>• FTP Client</li> <li>• HTTP Server</li> <li>• Samba Client</li> <li>• PPPoE</li> <li>• UPnP</li> <li>• UPnP Port Forwarding</li> <li>• RTP</li> <li>• RTSP</li> <li>• RTCP</li> <li>• IP filtering</li> <li>• 3GPP</li> <li>• Multicast</li> <li>• CoS</li> <li>• QoS</li> <li>• HTTPS</li> </ul>
	Ethernet	10/100 M BaseT Fast Ethernet auto negotiation
<b>Wireless (DCS-2130)</b>	Wireless	WPS, WMM
	Security	WEP, WPA-PSK, WPA2
<b>Video</b>	Algorithm supported	H.264/MPEG4/MJPEG codec multi streaming compression simultaneously JPEG for still image Support 3GPP
	Features	Adjustable image size and quality Time stamp and text overlay Configurable motion detection windows Flip & mirror Pre-event snapshot Pre-event recording
	Resolution	Resolution: Up to 30 fps at 1280x800 ( 1Mega ) Up to 30 fps at 1280x720 (16:9) Up to 30 fps at 640x480 Up to 30 fps at 320x240 Up to 30 fps at 160x120
	AGC	Yes (on/off, adjustable)
	AWB	Auto, Indoor, outdoor, Fluorescent
	AES	Yes (on/off, adjustable)
	Electronic shutter	1/2 sec. to 1/2,000 sec. (depends on sensor)
	Privacy mask	Multiple mask for privacy zones
	Digital zoom	10X
<b>Audio</b>	Algorithm supported	G.726
<b>LED</b>	Control	Enable/Disable
<b>Security</b>	Login authentication	Default Admin ID/PW : admin/space(blank)
<b>Search tool</b>	Search camera	Follow LANDAP
<b>SDK</b>	NIPCA	D-Link unify SDK
	ONVIF	Worldwide standard

## 2.2 OS Support

## **2.2.1 Device**

Windows 2000 / Windows XP / Windows Vista / Windows 7 (32/64 bit) / Apple MAC OS  
10.3 or above / Linux / Unix / Pocket PC / Mobile Phone which 3GPP

## **2.2.2 Utility**

Windows 2000 / Windows XP / Windows Vista / Windows 7 (32/64 bit)

## **3 Physical & Environment**

### **3.1 Power**

5V/ 1.2 A switching power adapter  
External AC-to-DC Switching Power Adapter

### **3.2 Operation Temperature**

0°C ~ 40°C

### **3.3 Storage Temperature**

- 20 to 70 °C (-4 to 158 °F)

### **3.4 Humidity**

20-80% RH non-condensing

## **4 Emission (EMI), Safety & Other Certifications**

- CE
- FCC
- C-Tick