

D-Link Corporation
External Specification

Enhanced Wireless N Day/Night Network Camera
DCS-942L ver. A1

Version 0.4

Date: 2011/6/13

DCS-942L External Spec Revision History

Version	Revised Date	Person Name	Content Revised
1.0	2011/5/18	Douglass Wang	Initial
1.1	2011/6/13	Douglass Wang	Mpeg4 algorithm supported

1.0 Introduction

DCS-942L is a wireless N H.264 day & night network camera for indoor surveillance applications and remote monitoring.

2.0 Product Features

2.1 Features

- Remote video monitoring and recording
- CMOS sensor with plastic lens for excellent image quality
- 1 lux CMOS sensor can capture video in low-light environments
- The H.264, Mpeg4 and Motion JPEG streams for remote monitoring
- Send Snapshots to FTP or via E-mail
- UPnP & DDNS support for network configure
- WPS support
- Wireless 802.11n connection
- Mydlink enable
- Two-way audio
- PIR

2.2 H/W Features

2.2.1 Specification

Key Components / Performance		
Ethernet interface controller	10/100BaseT	
Wireless	IEEE 802.11n	
Sensor	VGA 1/5" CMOS Sensor	
SDRAM	128 MBytes	
Flash Memory	16 Mbytes	
Lens	3.15mm lens, F2.8	
4 pcs IR LEDs	5M	
ICR	Yes	
View angle	Horizontal	45.3°
	Vertical	34.5°
	Diagonal	54.9°
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 802.11n standard	

Reset Button	Reset to factory default (maintenance only)
Power Consumption	Max 5.5W
Power Adaptor	Input: 100-240VAC, 50/60Hz Output: 5VDC, 1.2A
Multifunction 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 • RTSP, RTP, RTCP • DHCP Client • NTP Client (D-Link) • DNS Client • DDNS Client (D-Link) • SMTP Client • FTP Client • HTTP Server • PPPoE • UPnP Port Forwarding • LLTD • 3GPP (Video only)
	Ethernet	10/100M BaseT Fast Ethernet auto negotiation
	Wireless	WPS
	Wireless	Security
Video	Algorithm supported	H.264 Mpeg4 MJPEG compression JPEG for still image
	Features	Adjustable image size and quality Time stamp and text overlay Flip & mirror
	Resolution	H.264 : VGA @30fps, QVGA@30fps, QQVGA@30fps Mpeg4 : VGA @30fps, QVGA@30fps, QQVGA@30fps MJPEG:VGA@30fps, QVGA@30fps, QQVGA@30fps
	Digital zoom	Up to 4X
	Min. illumination	1 lux@F2.8
	3A control	AGC, AWB, AES
	BLC	Yes
	Electronic shutter	1/60(1/50)~1/15,000 sec
	Motion Detection	25 blocks
	Audio	Codec
		ADPCM

	Audio in	Build in
	Audio out	x1
PIR	Built-in Piezoelectricity Passive Infrared sensor for motion detection	
Microphone	Directional	Omni-directional
	Frequency	20 ~ 20000Hz
	Sensitivity	6mm, – 40 db +/- 4db
Security	Login authentication	Default Admin ID/PWD Admin/space
Functions	CMOS setting	Brightness, Contrast, Saturation, Exposure, Sharpness, Night Mode, Flip, Mirror, Outdoor, Indoor
	Video bitrates adjust	CBR
	Triggered action	Mail, FTP
	Pre/ Post alarm	configurable
	Audio	2-way audio, Full-duplex
	Micro SD	SD card management H.264 Video clip and snapshot
Service	Mydlink	Yes
System management	D-ViewCam	NIPCA support

2.4 OS Support

2.4.1 Device

Windows 2000 / Windows XP/ Windows Vista / Windows 7 / Linux/ MAC OS X10.3 or above /
Pocket PC/ Mobile Phone

2.4.2 Utility

Windows 2000 / Windows XP/ Windows Vista/ Windows 7

3.0 Physical & Environment

3.1 Power

- 5V 1.2A, 3 meter 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 °C (32 to 104 °F)

3.3 Storage Temperature

- - 20 to 70 °C (-4 to 158 °F)

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
- 5V 1.2A 3meter External Power Adapter x 1
- CAT5 Ethernet cable x 1
- Quick Installation Guide x 1

- Master CD for software and manuals x 1
- Camera stand bracket x 1
- Mounting and Screw x 2
- Warranty card
- GNU GPL insert page