

D-Link Corporation
External Spec
HD covert network camera with lowlight+
DCS-1201 ver. A1

Version 0.92

Date: 2015/Apr/28

Approved	Checked	PP
		Ching Wang

Revision History

Version	Revised Date	Person Name	Content Revised
0.9	2013/05/28	Ching Wang	First draft
0.91	2014/09/17	Ching Wang	Change model description Revise spec
0.92	2015/4/28	Ching Wang	Sample survey

1.0 Introduction

DCS-1201 is a HD covert network camera with LowLight+ technology for professional surveillance and security. This camera adopts 1.3 mega-pixel progressive scan CMOS sensor; the professional sensor achieves low noise and high sensitivity with WDR (wide dynamic range) capability for surveillance application.

The CMOS sensor also incorporates with LowLight+ technology, which provides excellent image quality with low noise but a wealth of details, and better colorful image performance in low light-conditions, resulting in more vibrant color detail regardless of the amount of light available. Given the excellent video quality in this model is designed for SI market IP camera product line.

DCS-1201 has two parts: a sensor unit (consisting of the lens and image sensor) and the main unit (consisting of network, power and input/output connections and a micro SD card slot). A 15 meters cable connects these two parts, enabling the sensor unit can be installed in tight places, and the main unit can be placed elsewhere. Thus, DCS-1201 is an ideal camera for limited spaces such as in ATMs, doorways, or elevators.

2.0 Product Features

2.1 Key Features:

- 1/3" megapixel progressive CMOS sensor
- H.264/ MPEG-4/ MJPEG
- WDR
- Max. resolution 1280 x 720 at 30 fps
- Support LowLight+ technology
- Simultaneous streams
- ePTZ for virtual PTZ operation
- Pinhole lens f=2.8mm, F 2.0
- 2-way audio support (half-duplex)
- Equipped DI x 1 / DO x 1
- Class 2 IEEE802.3af PoE
- micro SD card slot for camera side storage
- Motion detection
- Privacy mask
- Advanced event management

- Multicast video/audio stream
- ONVIF compliant

2.2 H/W Features

Key Components / Performance	
Sensor	1/3" megapixel progressive CMOS Sensor
Lens	Pinhole lens f=2.8mm, F2.0
Filter	Lens coating
WDR	Yes
IR LED	No
Light Sensor	No
Angle of view	(H) 84° (V) 44° (D) 100°
Minimum Illumination	TBD
Minimum object distance	0.5 m
Port Functions	
LAN	10/100 BaseT ports x1 (Without LED) Compliant to following standards: <ul style="list-style-type: none"> ● IEEE 802.3 compliance ● IEEE 802.3u compliance ● IEEE 802.3af (PoE) ● Support Full-Duplex operations ● 802.3x Flow Control support for Full-Duplex mode
PoE	Yes, support Class 2 IEEE 802.3af compliant
Audio input	3.5ø MIC/Line in by function cable
Audio output	3.5ø Line out by function cable
I/O Connector	4 pin-contact terminal block (DC 12V, DI, DO, GND)
Card Slot	Micro SD card (SDXC)
Video output	No
Reset Button	Reset to factory default (press 10 seconds)
Power Consumption	Max. 5 +- 5% Watt (TBD)
Others	
Operating Temperature	-10°C ~ 40°C
Operating Humidity	20 - 80% RH (non-condensing)
Power supplier	-Power adaptor 12V DC, 1.5A (not include) -Power over Ethernet IEEE 802.3af Class 2 -8~28 V DC

2.3 LED indicators

Location	LED Indicative	Color	Status	Description
Per Device	Network	Green	Off	Link Down
			On	Link Up
			Blinking	Traffic
	Power	Red	Off	Link Up
			On	Power on
	Status	Green	Off	No connection between sensor unit and main unit.
On			Connection between sensor unit and main unit.	

2.4 Software Features

Feature Item	Feature	Detailed Description
Networking	Protocol	<ul style="list-style-type: none"> • IPv6 • IPv4, ARP, TCP, UDP, ICMP • DHCP Client • NTP Client (D-Link) • DNS Client • DDNS Client (D-Link) • SMTP Client (SSMTP support) • FTP Client • HTTP Server • Samba Client • PPPoE • UPnP • UPnP Port Forwarding • RTP • RTSP • RTCP • IP filtering • Multicast • CoS • QoS/DSCP • HTTPS • SNMP
	Ethernet	10/100 M BaseT Fast Ethernet auto negotiation

Video	Algorithm supported	H.264/MPEG4/MJPEG triple format compression simultaneously JPEG for still image H.264/MPEG-4 streaming over UDP, TCP, HTTP H.264/MPEG-4 multicast streaming H.264/MPEG-4 Support CBR / VBR MJPEG streaming over HTTP
	Features	Adjustable image size and quality Time stamp and text overlay Configurable motion detection windows Flip & mirror Pre-event snapshot Pre-event recording
	Resolution	16:9 -1280x720, 800x450, 640x360, 480x270, 320x176 4:3 -1024x768, 800x600, 640x480, 480x 360, 320x240
	Frame Rate	Up to 30 fps
	AGC	Yes (on/off, adjustable)
	AWB	Auto, Indoor, outdoor, Fluorescent, Push Hold
	AES	Yes (on/off, adjustable)
	WDR / BLC	WDR (on/off, adjustable)
	3D filter	Yes (on/off, adjustable)
	Exposure time	1/2 sec. to 1/10,000 sec (TBD)
	Privacy mask	Multiple mask for privacy zones
	ePTZ	Virtual PTZ function (for Data Efficiency)
	Digital zoom	10X
Audio	Algorithm supported	G.711/AAC
LED	Control	Enable/Disable
Security	Login authentication	Default Admin ID/PW : admin/space(blank)
Firmware	Upgrade failure protection	Backup boot loader code
Search tool	Search camera	Follow LANDAP / D-Link DDP
SDK	NIPCA	D-Link unify SDK
	ONVIF	Worldwide standard

2.5 OS Support

2.5.1 Device

- Operating System: Microsoft Windows 2000, Vista, 7, 8, Mac OSX 10.7 or

above

- Browser: IE 7 or above, Firefox and Safari

2.5.2 D-View Cam (bundle software)

- Windows Vista / Windows 7 and 8

3.0 Physical & Environment

3.1 Operation Temperature

- -10 ~ 40°C

3.2 Storage Temperature

- -20 ~ 70°C

3.3 Operation Humidity

- 20~80% non-condensing

3.4 Storage Humidity

- 5~95% non-condensing

4.0 Emission (EMI), Safety & Other Certifications:

- CE (class A)
- CE LVD
- FCC (class A)
- C-Tick

5.0 Box Included

- Network camera x 1
- CAT5 Ethernet cable x 1
- Quick Installation Guide x 1
- Master CD x 1
- 2-pin power terminal block
- 4 pin I/O connector terminal block
- Mounting Accessories (Cover, Straight mount bracket, Angled mounting bracket)