

**D-Link Corporation**  
**External Spec**  
**Full HD WDR Day & Night Outdoor**  
**Dome Network Camera**  
**DCS-6513 ver. A1**

***Version 1.1***

Date: 2013/Mar/4

<b>Approved</b>	<b>Checked</b>	<b>PP</b>
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**Revision History**

<b>Version</b>	<b>Revised Date</b>	<b>Person Name</b>	<b>Content Revised</b>
1.0	2013/2/18	Ching Wang	Official release
1.1	2013/3/4	Ching Wang	SD card Change to Micro SD card

## 1.0 Introduction

DCS-6513 is a vandal dome network camera for professional surveillance and security. This camera adopts 3 mega-pixel progressive scan CMOS sensor; the professional sensor achieves low noise and high sensitivity with wide dynamic range (WDR) capability for surveillance application. Given the excellent video quality in high this model is designed for SI market IP camera product line; the camera equipped motorized varifocal lens, with auto focus algorithm for user easy install and remote adjust zoom ratio and focus.

Lens also equipped new technical **P-Iris**, it does not adjust iris open/close continuously in varying light level environment, and control iris automatically and precise to get optimal image quality to improve traditional depth of field issue.

The camera is designed for both indoor and outdoor day/night applications, thus, the camera built-in removable IR-cut filter and IR LED which can support 20M distance. More so, the camera can support IP67 and IK10 rated for against dust, water and impact in outdoor environment.

Using an ARM SoC provides excellent real-time video quality. Multiple video streams with different configurations can be activated simultaneously to address the different requirements for live viewing and recording. Multicast video stream helps to reduce the network transmission load. When multicast-enabled router is used, the network camera can serve multiple clients at the same time.

The included D-Link D-ViewCam™ is sophisticated software which allows users to manage up to 32 network cameras, set e-mail alert notifications, create recording schedules, and use motion detection to record directly to a hard drive. D-ViewCam™ also allows users to upload a floor plan to create a realistic layout of the premises where cameras are located, further simplifying the management process.

## 2.0 Product Features

### 2.1 Key Features:

- 1/2.8" 3 megapixel CMOS sensor
- Real-time H.264/ MPEG-4/ MJPEG
- Max. resolution 2048x1536 up to 15 fps(4:3);  
1920x1080 up to 30 fps (16:9)
- Wide dynamic range
- Built-in Megapixel Motorized varifocal Lens f=3~9mm, F=1.2~2.3

- Support remote focus
- Support P-Iris for control aperture
- Simultaneous streams
- 20 Meter IR for no light
- ePTZ for virtual PTZ operation
- 2-way audio support (half-duplex)
- IEEE802.3af
- Micro SD/SDHC card slot for camera side storage
- Motion detection
- Privacy mask
- Advanced event management
- Multicast video stream
- Samba client for NAS
- Multiple access lists
- Unified D-Link SDK
- ONVIF compliant
- IP-67 weather proof
- IK-10 vandal proof
- Built-in heater and fan for -40°C ~ 50°C operation temperature  
 Under -40 °C, the heater will turn on with full power automatically.  
 Under 0 °C, the heater will turn on with half power automatically.  
 Over 10 °C, the heater will turn off automatically.  
 Over 55 °C , the Fan will turn on automatically.  
 Under 40 °C , the Fan will turn off automatically.

## 2.2 H/W Features

Key Components / Performance	
Sensor	1/2.8" Progressive CMOS Sensor
Lens	Megapixel Motorized varifocal Lens f=3~9mm, F=1.2~2.3 (support P-iris, remote zoom and focus control)
Filter	ICR
WDR	Yes
IR LED	20M
Light Sensor	Yes
Angle of view	<b>16:9</b> (H) 96.4° ~ 31.6° (V) 51.2° ~ 17.7° (D) 114.1° ~ 36.3°
Minimum Illumination	0.5 lux / F1.2 (color mode) 0.05 lux / F1.2 (B/W mode)

	0 lux (B/W, IR-LED on)
<b>Port Functions</b>	
LAN	10/100 BaseT ports x1 (Without LED) Compliant to following standards: -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
Microphone Input	3.5ø MIC/Line in by function cable
Audio output	3.5ø Line out by function cable
I/O Connector	6 pin-contact terminal block -1x input(2pins): Photo couple, Active 3.3~60VDC; Dropout: 0 VDC -1x output(2pins): photo relay, Close circuit current: DC 400mA; 1.4Ohm; Open circuit voltage: 60VDC -Power Output(2pins): 12VDC, 100mA
Card Slot	Micro SD card (SD,SDHC)
Video output	1.0 Vpp / 75 ohm, BNC
3-axis Angle (non-motorized)	Vertical : 51° Horizontal : 340° Rotational : 300°
Reset Button	Reset to factory default (press 10 seconds)
Power Consumption	Max.10.5+-5% Watt.
<b>Others</b>	
Operating Temperature	-40°C ~ 50°C
Operating Humidity	Humidity 20 - 80% RH (non-condensing)
Built-in Heater / fan	Yes
Power supplier	DC power adaptor: Input: 100-240VAC, 50/60Hz Output: 12VDC, 1.25A AC power: AC24V

## 2.3 Software Features

Feature Item	Feature	Detailed Description
Networking	Protocol	<ul style="list-style-type: none"> <li>• IPv6</li> <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 (SSMTP support)</li> <li>• FTP Client</li> <li>• HTTP Server</li> <li>• Samba Client</li> <li>• PPPoE</li> <li>• UPnP</li> <li>• UPnP Port Forwarding</li> </ul>

		<ul style="list-style-type: none"> <li>• RTP</li> <li>• RTSP</li> <li>• RTCP</li> <li>• IP filtering</li> <li>• Multicast</li> <li>• CoS</li> <li>• QoS/DSCP</li> <li>• HTTPS</li> </ul>
	Ethernet	10/100 M BaseT Fast Ethernet auto negotiation
<b>Video</b>	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	<b>16:9</b> 1920 x 1080, 1280 x 720, 800 x 450, 640 x 360, 480 x 270, 320 x 176, 176 x 144@ 30fps <b>4:3</b> 2048x1536(@15fps), 1600x1200, 1024x768, 800x600,640x480,480x360,320x240,176x144@ 30fps
	AF	Yes (Auto, Manual)
	AGC	Yes (on/off, adjustable)
	AWB	Auto, Indoor, outdoor, Fluorescent
	AES	Yes (on/off, adjustable)
	Aperture control(P-Iris)	Yes (Auto, Manual)
	WDR / BLC	WDR (on/off, adjustable)
	Exposure time	1/7.5 sec. to 1/10,000 sec.
	Privacy mask	Multiple mask for privacy zones
	ePTZ	Virtual PTZ function ( for Data Efficiency)
	Digital zoom	10X
<b>Audio</b>	Algorithm supported	G.711/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 / D-Link DDP
<b>SDK</b>	ONVIF	Worldwide standard
	NIPCA	D-Link unify SDK

## **2.4 OS Support**

### **2.4.1 Device**

- Windows 2000 / Windows XP/ Windows Vista (32/64 bit) / Windows 7 (32/64 bit) / Windows 8 (32/64 bit) / Smart Phone

### **2.4.2 D-ViewCam (bundle software)**

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

## **2.5 SYSTEM REQUIREMENTS**

- Operating System: Microsoft Windows 2000, XP, Vista, 7, 8
- Browser: Internet Explorer 7 and above, Chrome, Firefox and Safari

## **3.0 Physical & Environment**

### **3.1 Power**

- Power adaptor Input: 100 - 240VAC, 50/60Hz; output: 12VDC, 1.25A

### **3.2 Operation Temperature**

- -40 ~ 50°C (-40 to 122 °F)

### **3.3 Storage Temperature**

- -20 ~ 70°C (-4 to 158 °F)

### **3.4 Operation Humidity**

- 20~80% non-condensing

### **3.5 Storage Humidity**

- 5~95% non-condensing

## **4.0 Emission (EMI), Safety & Other Certifications:**

- CE
- LVD
- FCC
- C-Tick

## 5.0 Box Included

- DCS-6513 Network camera x 1  
(with CAT5 Ethernet cable, AV & Power Cables, Mounting Bracket)
- 12V, 1.25A DC power adaptor x 1
- Quick Installation Guide x 1
- Master CD x 1
- Extender adaptor x 1
- Security Wrench x 1
- Cable Cover x 1
- Rubber Plug x 1
- Weather Shield x 1