D-Link® *CORPORATION*

D-Link Corporation
External Specification

Full HD WDR Day & Night Vandal-Proof Dome Network Camera

DCS-6511 ver. B1

Version 1.00

Date: 2016/10/11

Approved	Checked	PP
	Emil Tseng	Carrie Lee

DCS-6511 B1 External Spec Revision History

Version	Revised Date	Person Name	Content Revised
1.00	2016/10/11	Carrie Lee	First edition

1.0 Introduction

DCS-6511 B1 is a 2 Megapixel WDR Outdoor Day & Night Dome Network Camera for surveillance market. This camera adopts 2 mega-pixel progressive scan CMOS sensor up to 60fps; the video stream covers a larger scene and better quality than an analog CCTV camera. This is a very important consideration in video surveillance applications, where a high resolution image can enable a criminal to be identified.

The DCS-6511 B1 is equipped PoE allowing it to be easily installed in a variety of locations without the need for supplemental power cabling. For day & night surveillance, DCS-6511 B1 is equipped IR-Cut Filter Removable (ICR) and IR-LED with smart IR technology to enhance sensitivity in low light environment and automatically adjusts IR lighting intensity to ensures that the camera captures usable video in dark conditions. The Micro SD card slot allows user to record desire video or snapshot in local side. DCS-6511 B1 integrated P-Iris control motors which allow remote Zoom / Focus, also supports face detection for automation judgment and reaction.

DCS-6511 B1 is applied with New GUI for users friendly configuration. Moreover, the DCS-6511 B1 supports digital input and output port for connectivity to external devices such as IR sensors, switches, and alarm relays.

2.0 Product Features

2.1 Features:

- Sony 1/2.8" 2 Megapixel CMOS sensor
- Real-time H.264/ MJPEG
- Max. resolution 1920x1080 at 60fps (WDR Off) / 30fps (WDR On)
- 3 simultaneous streams
- Equipped P-iris motorized Vari-focal 2.8~12mm F1.4 lens
- Built-in 20M Smart IR-LED and IR-Cut filter Removable (ICR) for day & night surveillance
- ePTZ for virtual PTZ operation
- Motion detection
- Privacy mask
- Two-way audio support
- Micro SD card slot for local storage
- Digital input / output
- IP66 certified
- IK-10 certified
- Advanced event management
- Face Detection
- Samba client for NAS

- Power over Ethernet (PoE)
- Unified SDK
- ONVIF compliant
- Anti-cut cable management mounting bracket

2.2 H/W Features

2.2.1 Specification

Key Components / Performance	
Video Codec	H.264 / MJPEG
PoE	Supported IEEE 802.3af standard
Sensor	Sony 1/2.8" 2 Megapixel progressive CMOS sensor
ICR	Yes
IR illuminator	Yes, 20 Meter with Smart IR
Lens	P-iris Remote-focal lens 2.8 ~ 12 mm F1.4
Port Functions	
LAN	10/100/1000 Base-TX ports x1 Compliant to following standards: IEEE 802.3 compliance IEEE 802.3u compliance Support Full-Duplex operations Supported IEEE 802.3af standard
I/O connector	1 input / 1 output
External Microphone Input	Yes
Built-in MIC	No
Audio Input	Yes, Line in
Audio Output	Yes, Line Out
Reset Button	Reset to factory default
RS-485	No
Power Consumption	Max. 10W
Power Supply	PoE DC adaptor (input: 100~240AC, 50/60Hz, Output: 12VDC, 1.5A) (power adaptor is excluded in package)
Dimension (WxHxD)	134 x 150.63 x 116.01 mm
Weight	865 grams

2.2.2 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

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2.3 Software Features

Feature		Detailed Description
Networking	Protocol	• IPv4, ARP, TCP, UDP, ICMP • IPv6 • DHCP Client • NTP Client (D-Link) • DNS Client, DDNS Client (D-Link) • SMTP Client (SSMTP support) • FTP Client • HTTP / HTTPS • Samba Client • PPPoE • Bonjour • UPnP • UPnP Port Forwarding • RTP / RTSP / RTCP • IP filtering • Multicast • CoS • QoS • SNMP v1/v2C/v3 • 802.1x
	Ethernet	10/100/1000M Base-TX Fast Ethernet auto negotiation
Video	Algorithm supported	H.264/MJPEG dual format compression simultaneously H.264 Support CBR / VBR / CVBR MJPEG for still image
	Resolution	**16:9** -16:9 -1920x1080, 1280x720, 960x560, 640x360, 320x176 @ 60fps (WDR Off) / 30fps (WDR On) **4:3** –1280x960, 1024x768, 800x600, 640x480, 480x360, 320x240 @ 60fps (WDR Off) / 30fps (WDR On)
	AGC	Yes, on/off, adjustable
	AWB	Yes, on/off, adjustable
	AES	Yes, on/off, adjustable
	BLC	Yes, on/off, adjustable.
	Image stabilizer	Digital image stabilizer
	Noise reduction	3D Noise reduction
	Electronic shutter	1/2 sec. to 1/10,000 sec.
	Motion Detection	3 configurable motion detection windows
	Tamper Detection	Yes
	Privacy Mask	Multiple mask for privacy zones
	ePTZ	Virtual PTZ function
	Digital Zoom	10x
	Image adjustment	Configurable Brightness, Saturation, Contrast
	IVS functions	Face Detection
	Flip	Vertical, Horizontal, Diagonal
SDK	NIPCA	D-Link unified SDK
	ONVIF	Worldwide standard

2.4 SYSTEM REQUIREMENTS

Operating System: Windows XP, Windows 7(32/64 bit), Windows 8(32/64 bit)

Browser: Internet Explorer 8 or above, Chrome and Firefox

3.0　Physical & Environment

3.1　Power
Optional: DC power adaptor (D-Link standard) Input: 100-240VAC, 50/60Hz; Output: 12VDC, 1.5A

3.2　Operation Temperature
-40 ~ 50℃　(32 to 104℉)

3.3　Storage Temperature
-20 ~ 70℃　(-4 to 158℉)

3.4　Humidity
90% RH non-condensing

4.0　Emission (EMI), Safety & Other Certifications:
− CE (class A)
− CE LVD(EN60965-1)
− FCC (class A)
− ICES-003
− C-Tick

5.0　Box Included
− Network Camera x 1
− Mounting Kit
− Quick Installation Guide x 1
− Master CD x 1
− Sunshield

(Optional, not include in package)
− 12V DC External Power Adapter
− Functional Cable