D-Link®
Building Networks for People

DCS-7517

5 Megapixel H.265 Outdoor Network Camera

Features

Exceptional Video Quality

- 1/2.9" megapixel CMOS sensor
- Full HD resolution of 1920 x 1080, max. 2560 x 1920
- Wide Dynamic Range image enhancement
- H.265, H.264, MJPEG codec support for streaming and recording
- Motion detection
- Privacy masks

Outdoor Placement

- Built-in smart IR LED illuminator with a 30 meter range for use in dark areas
- Built-in heating and cooling capabilities ensure camera can work in a wide range of climates from -40 °C to 50 °C
- Range of mounting options for flexible placement
- Rugged IP68 weatherproof housing
- Sunshield to protect unit when mounted outdoors

Flexibility

- microSD card slot for onboard storage[1]
- 10/100 Fast Ethernet port with PoE ensures easy integration into your network
- DI/DO socket for connection to external devices[4]
- Audio in and out jacks can be connected to a microphone and speaker for 2-way audio

The D-Link DCS-7517 5 Megapixel H.265 Outdoor Network Camera is a high definition professional surveillance and security solution suitable for small, medium, and large enterprises. The camera features a progressive scan CMOS sensor and support for H.265 to deliver truly superior quality video in all conditions. Power over Ethernet (PoE) and a rugged, weatherproof design makes this camera extremely reliable and ideal for deployment in any surveillance application.

Built for the Outdoors

Specifically designed for outdoor environments, the DCS-7517 is IP68 certified – one of the toughest Ingress Protection (IP) ratings that is given to products tested to protect against dust and long-term water immersion. A sunshield provides added protection against the elements while blocking out glare, and various mounting options gives installers maximum flexibility for any location. Most importantly, support for Power over Ethernet (PoE) provides power and network connectivity via a single cable – making the DCS-7517 a truly versatile solution that can be used in a wide range of applications.

Advanced Monitoring with H.265 Support

In low-light situations, the IR cut filter automatically slides out of the way to use all available light. The DCS-7517 also has built-in smart IR LED illuminators with a 30-meter range, allowing the camera to keep watch even in complete darkness. To maximize bandwidth efficiency and improve image quality, the DCS-7517 provides real-time video compression using the H.265 and MJPEG codecs. The H.265 codec, or High Efficiency Video Coding (HEVC), uses the latest compression algorithms to save even more space than H.264, for better visual quality and recording performance. These features work together to give you a reliable surveillance camera capable of monitoring an area 24 hours a day – no matter the environment or the application.

Flexible Connectivity

The DCS-7517 has a built-in 802.3af compliant PoE module that simplifies installation by providing power and networking connectivity with a single cable, reducing the need to drill holes or lay additional cabling. In addition, the optional cable harness provides a group of connections such as audio input/output and digital input/output, which supports connections to external triggers such as IR sensors, switches, and alarm relays.

Robust Management Software

The DCS-7517 5 Megapixel H.265 Outdoor Network Camera includes D-ViewCam, a complete surveillance software package that enables you to view, manage, and record from up to 32 cameras on a single computer in a central location. Recordings and e-mail alerts can be triggered through motion detection or events triggered by digital input devices, keeping administrators informed of any unusual activity.

Technical Specifications

Camera

Camera Hardware Profile	• 1/2.9" megapixel CMOS sensor
	• 30 meter smart IR illumination distance
	• Built-in Infrared-Cut Removable (ICR) Filter module
	• Minimum illumination:
	  • 0.01 lux Color mode
	  • 0.008 lux Black and White mode
	  • 0 lux Black and White mode with IR LED on
	• Minimum object distance 0.5 m
		• 2.8 to 12 mm motorized zoom varifocal DC iris lens
		• Aperture F1.4
		• Angle of view (4:3)
		  • (H) 75° to 24°
		  • (V) 55° to 18°
		  • (D) 96° to 30°
		• Shutter Speed: 1/2 to 1/10,000
		• 10x digital zoom

Camera Housing	• IP68 compliant weatherproof housing	• Included sunshield
Image Features	• Configurable image size, quality, frame rate, and bit rate • Time stamp and text overlays • 3 configurable motion detection windows • Tamper detection	• Configurable privacy mask zones • Configurable exposure, brightness, saturation, contrast, sharpness, white balance, WDR, de-noise, flip and mirror • Digital Image Stabilization (DIS)
Video Compression	• Simultaneous H.265/H.264/MJPEG format compression • H.264/H.265 multicast streaming	• JPEG for still images
Video Resolution	• 16:9 1920 x 1080, 1280 x 720, 720 x 576, 540 x 360, 320 x 180 at up to 30 fps	• 4:3 - 2560 x 1920, 1280 x 960, 800 x 600, 640 x 480, 320 x 240 up to 30 fps
Audio Support	• AAC	• G.711
External Device Interfaces	• 10/100 BASE-TX Ethernet port with PoE (Class 3) • 1 DI / 1 DO • Reset button	• microSD card slot (SD/SDHC/SDXC) • Audio input / output • DC 12 V input / output

Network

Network Protocols	• IPv6 • IPv4 • TCP/IP • UDP • ICMP • DHCP client • NTP client (D-Link) • DNS client • DDNS client (D-Link) • SMTP client • FTP client • Bonjour	• HTTP / HTTPS • PPPoE • UPnP port forwarding • RTP / RTSP/ RTCP • IP filtering • QoS • CoS • Multicast • ONVIF compliant • SNMP
Security	• IEEE 802.1X • Administrator and user group protection	• HTTP and RTSP authentication • Password authentication

System Management

Event Management	• Motion detection • Tamper detection • Event notification and uploading of snapshots/video clips via e-mail or FTP	• Supports multiple HTTP, SMTP, and FTP servers • Multiple event notifications • Multiple recording methods for easy backup
Remote Management	• Take snapshots/video clips and save to local hard drive	• Configuration interface accessible via web browser
System Requirements for Web Interface	• Operating System: Windows 10/8/7	• Browser: Internet Explorer, Chrome, and Firefox
D-ViewCam™ System Requirements	• Operating System: • 32 bit: Windows 8 / 7 (SP1) • 64 bit: Windows 10 / 8 / 7 (SP1) / Server 2012 / Server 2008 R2	• Web Browser: Internet Explorer 7 or higher • Protocol: Standard TCP/IP
D-ViewCam™ Software Functions	• Remote management/control of up to 32 cameras • Supports all management functions provided in web interface	• Viewing of up to 32 cameras on one screen • Scheduled motion triggered, or manual recording options

General

Weight	• 1.54 kg (3.40 lbs) with sunshield and mounting bracket	
Power	• External power adapter: 12 V DC 1.5 A. 50/60 Hz	• PoE: IEEE 802.3af Class 3
Power Consumption	• Max: 10 watts +/- 5%	
Temperature	• Operating: -40 to 50 ˚C (-40 to 122 ˚F)	• Storage: -20 to 70 ˚C (-4 to 158 ˚F)
Humidity	• Operating: 20% to 80% non-condensing	• Storage: 5% to 95% non-condensing
Certifications	• CE • CE LVD	• FCC • C-Tick
Dimensions		

Order Information

Part Number	Description
DCS-7517	5 Megapixel H.265 Outdoor Network Camera
DCS-11	Cable Harness

Optional Accessories

Description	Cable Harness
Part Number	DCS-11
Product Image	
Dimensions (length)	• 123 cm (48.43 inches)
Weight	• 106 g (3.68 ounces)
Connections[3]	• DI/DO • RS-485 • 12 V DC output • Reset • 24 V AC input • 12 V DC input • Audio in • Audio out

[1] Camera is compatible with microSD cards up to v3.01. Camera is not compatible with v4.x cards.
[2] This datasheet is for HW version B1.
[3] Some features of this accessory may not be supported by this camera model. The DCS-7517 does not support the RS-485, and 24V AC input features.
[4] The DI/DO and Audio In/Out functions are supported via the optional cable harness.

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