

## Product Highlights

- One Megapixel sensor for High Definition recording
- Mechanical IR Cut Filter for Day/ Night
- 15 meter Illumination Distance with 12 LEDs and Light Sensor to Support Dark Environments with 0 Lux Illumination
- Supports H.264/MPEG4/MJPEG Video Compression
- Up to 30 Frames Per Second
- Support for Multiple Simultaneous Streams



## DCS-7110

# HD Outdoor Day/Night Network Camera

## Features

- 1/4" megapixel CMOS sensor
- Real-time H.264/ MPEG-4/ MJPEG
- Max. resolution 1280x800 at 30 fps
- Four (4) simultaneous streams
- Built-in 4 mm, F1.5 fixed lens
- 15M IR illumination distance
- Mechanical IR filter for day/night use
- Tamper detection
- Motion detection
- Privacy mask
- Advanced event management
- Advanced web user interface
- HTML code example of streaming
- IPv6, 802.1x, QoS, CoS
- HTTPS secured streaming
- 3GPP mobile surveillance
- Samba client for NAS
- Power over Ethernet (PoE)
- IP66 weatherproof
- Unified SDK
- ONVIF compliant

## Overview

The D-Link DCS-7110 is an all-in-one, outdoor network camera equipped with industry-leading high definition (HD) megapixel resolution and H.264 compression. The DCS-7110 connects to a network to provide high-quality live video on a LAN or over the Internet. This camera is capable of capturing video in both dark and light environments thanks to its built-in IR LEDs and IR-cut removable (ICR) filter. The ICR filter can be manually applied via the web, or set to automatically adjust based on lightning conditions. This feature allows the camera to capture crisp color images during the daytime and detailed gray scale images at night or in or low-light conditions.

## Multiple Video Streams

The DCS-7110 supports simultaneous streaming of H.264, MPEG-4, and MJPEG video to provide both high-quality and bandwidth-efficient compression formats. H.264 produces a small file size, making it useful for extended recording with high detail or for use in low-bandwidth networks. MJPEG delivers excellent file integrity, ideal for situations which require extensive image detail.

## Flexible Connectivity

The DCS-7110 includes input and output ports for connectivity to external devices such as IR sensors, switches, and alarm relays. It also comes with an RS-485 interface, providing connectivity to an optional pan/tilt scanner. The DCS-7110 also incorporates Power over Ethernet (PoE), allowing it to be easily installed in a variety of locations without the need for supplemental power cabling.

### Weather-proof and Tamper-proof

Designed to be mounted outdoors, the DCS-7110 includes an IP66 certified enclosure which protects against the elements. Anti-tamper features make this camera suitable for tamper-prone locations such as transportation hubs, schools, or correctional facilities. The electronic tamper detection system can sense whenever the camera has been redirected, de-focused, blocked, or spray-painted, and respond promptly with a visible or audible alarm.

### D-ViewCam for Management

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.

### 3GPP Mobile Surveillance

Support for 3GPP Mobile Surveillance allows users to view a live video feed from a 3GPP compatible Internet-ready mobile device. This extends monitoring capability, allowing users to check the camera's video feed while on the go without a computer.

## Technical Specifications

Camera		
Hardware Profile	<ul style="list-style-type: none"> <li>• 1/4" Megapixel progressive CMOS sensor</li> <li>• 15 meter IR illumination distance</li> <li>• Built-in Infrared-Cut Removable (ICR) Filter module</li> <li>• 128 Mbytes of flash memory</li> </ul>	<ul style="list-style-type: none"> <li>• 4 mm fixed lens , F1.5 with 65.4 degree horizontal viewing angle</li> <li>• 256 Mbytes SDRAM</li> </ul>
Image Features	<ul style="list-style-type: none"> <li>• Configurable image size, quality, frame rate, and bit rate</li> <li>• 3 configurable motion detection windows</li> <li>• Min Illumination: 0.26 Lux (day mode), 0 Lux (night mode) with IR LED</li> </ul>	<ul style="list-style-type: none"> <li>• Time stamp and text overlays</li> <li>• 5 configurable privacy masks</li> <li>• Flip &amp; mirror</li> <li>• Configurable white balance, shutter speed, brightness, saturation, contrast, sharpness</li> </ul>
Video Compression	<ul style="list-style-type: none"> <li>• H.264/MPEG4/MJPEG compression (simultaneous operation)</li> </ul>	<ul style="list-style-type: none"> <li>• JPEG for still image</li> </ul>
Video Resolution	1280x800 @ 30 fps, 1280x720 @ 30 fps, 640x480 @ 30 fps, 320x240 @ 30 fps, 176x144 @ 30 fps	
Network		
Network Protocols	<ul style="list-style-type: none"> <li>• IPv4</li> <li>• IPv6</li> <li>• TCP/IP</li> <li>• UDP</li> <li>• 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</li> <li>• FTP Client</li> <li>• HTTP / HTTPS</li> </ul>	<ul style="list-style-type: none"> <li>• Samba Client</li> <li>• PPPoE</li> <li>• UPnP Port Forwarding</li> <li>• RTP / RTSP/ RTCP</li> <li>• IP filtering</li> <li>• 3GPP</li> <li>• LLTD</li> <li>• CoS/QoS</li> <li>• SNMP</li> <li>• IGMP</li> <li>• 802.1x</li> <li>• ONVIF Compliant</li> </ul>
Security	<ul style="list-style-type: none"> <li>• Administrator and user group protection</li> <li>• Password authentication</li> <li>• HTTP and RTSP digest encryption</li> </ul>	<ul style="list-style-type: none"> <li>• HTTPS streaming</li> <li>• Remote client access control</li> </ul>

System Integration		
System Requirements	Operating System: - Windows® 7, Windows Vista®, Windows® XP	• Browser: - Internet Explorer, Mozilla Firefox
D-ViewCam™ System Requirements	• Operating System: - Windows® 7, Windows Vista®, Windows® XP	• Web Browser: Internet Explorer 6 or higher
Event Management	• Motion detection • Event notification and upload snapshots/video clips via HTTP, SMTP or FTP	• Supports multiple HTTP, SMTP and FTP servers • Multiple event notification • Multiple recording methods for easy backup
Remote Management	• Configuration accessible via web browser	• Take snapshots/video clips and save to local hard drive or NAS via web browser
Surveillance Software Function	• Remote management/control of up to 32 cameras • Viewing of up to 32 cameras on one screen	• Supports all management functions provided in web interface • Scheduled motion triggered, or manual recording options
Supported PDA, Mobie Phones, and Software	• Handsets with 3GPP player, Packet Video Player 3.0, QuickTime 6.5, Real Player 10.5, Windows 2000, XP	
External Device Interface	• DI and DO for external sensor and alarm	• RS485 for pan/tilt scanner
General Specification		
Power Input	• 12V DC 1.25A	• 802.3af PoE
Max. Power Consumption	• 6 W	
Operating Temperature	• -4 to 122 °F (-20 to 50 °C)	
Storage Temperature	• -4 to 158 °F (-20 to 70 °C)	
Humidity	• 90% non-condensing	
Certifications	• CE (Class A) • CE LVD (EN60965-1) • FCC (Class A)	• C-Tick FCC (Class A) • ICES-003
Mounting Bracket	• Included <sup>1</sup>	
Weight	• 1.73 lbs (783grams)	
Dimensions	<p>72.94 66.00 197.19 178.54 70.50</p>	

# DCS-7110 HD Outdoor Day/Night Network Camera

## Open Network Video Interface Forum (ONVIF) Compliant

The open Network Video Interface Forum (ONVIF) is standards relating to open IP video networking. The DCS-7110 is ONVIF compliant and therefore interoperable with other manufacturers' products on the same network such as cameras, storage systems video analytics products and video management systems.

## Warranty and Service Information

Warranty	• 5 Year Warranty <sup>2</sup>
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## Ordering Information

Part Number	Description
DCS-7110	HD Outdoor Day/Night Network Camera

<sup>1</sup>Sunscreen Included.

<sup>2</sup>5-Year Warranty available only in the USA

Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted on the package. See inside package for warranty details.

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### For more information

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