

## Product Highlights

### Full HD Resolution

A high-resolution 3 megapixel sensor provides HD 1080p video and max. 2048 x 1536 resolution images to ensure that you capture the details you need

### Power over Ethernet

Power over Ethernet (PoE) expands and simplifies your installation options by removing the need for supplemental power cabling

### Tamper-proof

Detects when camera has been redirected, defocused, blocked, or spray-painted, and can respond promptly with a visible or audible alarm



## DCS-6116

# 3 Megapixel Day & Night Dome Network Camera

## Features

### Camera

- 1/2.8" Full HD progressive 3 megapixel CMOS sensor
- Fixed 3.6 mm lens, F1.8
- 5 m IR illumination distance
- Advanced event management

### Video & Audio

- Real-time simultaneous H.264/MJPEG compression
- Max. resolution: 2048 x 1536 (15 fps), 1920 x 1080 (30 fps)
- Four simultaneous streams
- Built-in microphone and speaker
- Two-way audio
- Motion detection
- Tamper detection
- Privacy mask

### Connections

- Power over Ethernet (PoE)
- microSD card slot for onboard storage<sup>1</sup>
- 12 V DC input connector

### Networking

- IPv6, QoS, CoS
- Samba client
- Multiple access lists

The DCS-6116 3 Megapixel Day & Night Dome Network Camera features industry-leading high definition (Full HD) 3 megapixel resolution and H.264 compression that enable high-quality video footage to be recorded. The DCS-6116 connects to a network to provide high-quality live video over the Internet. It can even capture video in both light and dark environments thanks to built-in IR illuminators and an IR-cut removable filter. With advanced event management, motion detection, a microSD card slot, and more, the DCS-6116 gives you a versatile surveillance solution that can be used in a larger security system or as a standalone solution.

## Full HD Surveillance

The DCS-6116 delivers Full HD 16:9 widescreen IP video surveillance which provides vivid high-quality video, making it easier to view and monitor footage. With the free-bundled D-ViewCam 32-channel recording software, the DCS-6116 provides a complete solution for high-quality live viewing and reliable recording. The camera also has a built-in microSD card slot which can be used for local backup by storing important events on an easily retrievable microSD card.

## Multiple Video Streams

The DCS-6116 supports simultaneous streaming of H.264 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. Additionally, the DCS-6116 supports multicast H.264 streaming, allowing users to view the camera feed by subscribing to a multicast IP address on the network.

## Flexible Connectivity

The DCS-6116 incorporates Power over Ethernet (PoE), allowing it to be easily installed in a variety of locations without the need for supplemental power cabling.

## 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 important events directly to a hard drive. D-ViewCam™ also allows users to upload a floor plan to create a realistic layout of the premises where the cameras are located, further simplifying the management process.

### Technical Specifications

#### Camera

Hardware profile	<ul style="list-style-type: none"> <li>• 1/2.8" Full HD progressive 3 megapixel CMOS sensor</li> <li>• Fixed 3.6 mm lens</li> <li>• Aperture: F1.8</li> <li>• Shutter speed 1 to 1/10,000 sec</li> <li>• 4 x Digital Zoom</li> <li>• Minimum object distance: 0.4 m</li> <li>• IR illumination distance: 5 m</li> </ul>	<ul style="list-style-type: none"> <li>• Minimum illumination: <ul style="list-style-type: none"> <li>• Color Mode: 0.2 lux</li> <li>• Black &amp; White Mode: 0.02 lux</li> <li>• Black &amp; White Mode with IR LED on: 0 lux</li> </ul> </li> <li>• Angle of view: <ul style="list-style-type: none"> <li>• (H) 75.3°</li> <li>• (V) 42.3°</li> <li>• (D) 86.4°</li> </ul> </li> </ul>
Image Features	<ul style="list-style-type: none"> <li>• Configurable image size, quality, and bit rate</li> <li>• Time stamp and text overlays</li> <li>• Configurable motion detection windows</li> <li>• ePTZ function</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable privacy masks</li> <li>• Configurable shutter speed, brightness, saturation, contrast, sharpness, hue, WDR, and 3D DNR</li> </ul>
Video Compression	<ul style="list-style-type: none"> <li>• Simultaneous H.264/MJPEG multi-format compression</li> <li>• JPEG for still image</li> </ul>	<ul style="list-style-type: none"> <li>• H.264 multicast streaming</li> </ul>
Video Resolutions	<ul style="list-style-type: none"> <li>• 4:3 <ul style="list-style-type: none"> <li>• 2048 x 1536 @ 15 fps</li> <li>• 1440 x 1080 @ 30 fps</li> <li>• 1280 x 960 @ 30 fps</li> <li>• 1024 x 768 @ 30 fps</li> <li>• 800 x 600 @ 30 fps</li> <li>• 640 x 480 @ 30 fps</li> <li>• 320 x 240 @ 30 fps</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 16:9 <ul style="list-style-type: none"> <li>• 1920 x 1080 @ 30 fps</li> <li>• 1280 x 720 @ 30 fps</li> <li>• 800 x 450 @ 30 fps</li> <li>• 640 x 360 @ 30 fps</li> <li>• 480 x 270 @ 30 fps</li> </ul> </li> </ul>
Audio Compression	<ul style="list-style-type: none"> <li>• G.711</li> </ul>	
External Device Interface	<ul style="list-style-type: none"> <li>• 10/100 BASE-TX Ethernet port with PoE</li> <li>• 12V DC power input</li> </ul>	<ul style="list-style-type: none"> <li>• microSD card slot (SD / SDHC)</li> </ul>

#### 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> </ul>	<ul style="list-style-type: none"> <li>• HTTP/HTTPS</li> <li>• Samba client</li> <li>• PPPoE</li> <li>• UPnP port forwarding</li> <li>• RTP/RTSP/RTCP</li> <li>• IP filtering</li> <li>• CoS/QoS</li> <li>• SNMP</li> <li>• IGMP</li> <li>• ONVIF compliant</li> <li>• Multicast</li> </ul>
-------------------	--	---

Security	<ul style="list-style-type: none"> <li>Administrator and user group protection</li> <li>HTTP and RTSP digest encryption</li> </ul>	<ul style="list-style-type: none"> <li>Password authentication</li> </ul>
<b>System Integration</b>		
System Requirements for Web Interface	<ul style="list-style-type: none"> <li>Operating System: Microsoft Windows 8/7/Vista/XP/2000</li> </ul>	<ul style="list-style-type: none"> <li>Web Browser: Internet Explorer 7 or higher</li> </ul>
D-ViewCam™ System Requirements	<ul style="list-style-type: none"> <li>Operating System: Microsoft Windows 8/7/Vista/XP/2000</li> <li>Web Browser: Internet Explorer/Firefox/Safari/Chrome</li> </ul>	<ul style="list-style-type: none"> <li>Protocol: Standard TCP/IP</li> </ul>
Event Management	<ul style="list-style-type: none"> <li>Motion detection</li> <li>Tamper detection</li> <li>Event notification and upload snapshots/video clips via SMTP or FTP</li> </ul>	<ul style="list-style-type: none"> <li>Multiple event notification</li> <li>Multiple recording methods for easy backup</li> <li>Supports multiple HTTP, SMTP and FTP servers</li> </ul>
Remote Management	<ul style="list-style-type: none"> <li>Take snapshots/video clips and save to local hard drive via web browser</li> </ul>	<ul style="list-style-type: none"> <li>Configuration accessible via web browser</li> </ul>
D-ViewCam™ Software Functions	<ul style="list-style-type: none"> <li>Supports all management functions provided in web interface</li> <li>Scheduled motion triggered, or manual recording options</li> </ul>	<ul style="list-style-type: none"> <li>Remote management/control of up to 32 cameras</li> <li>Viewing of up to 32 cameras on one screen</li> </ul>
<b>General</b>		
Power	<ul style="list-style-type: none"> <li>Input: 12 V DC 1.5 A, 50/60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>IEEE 802.3af PoE Class 0</li> </ul>
Max. Power Consumption	<ul style="list-style-type: none"> <li>4.1 W (PoE, IR-LED on)</li> </ul>	
Operating Temperature	<ul style="list-style-type: none"> <li>0 to 40 °C (32 to 104 °F)</li> </ul>	
Storage Temperature	<ul style="list-style-type: none"> <li>-20 to 70 °C (-4 to 158 °F)</li> </ul>	
Humidity	<ul style="list-style-type: none"> <li>20 to 80% non-condensing</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>350 g (12.35 ounces)</li> </ul>	
Certifications	<ul style="list-style-type: none"> <li>CE</li> <li>CE LVD</li> </ul>	<ul style="list-style-type: none"> <li>FCC</li> </ul>
Dimensions	<p>The technical drawing consists of two parts. On the left is a side view of the camera, showing a cylindrical upper section and a hemispherical lower section. Dimensions are indicated: a total height of 37.9 mm, a diameter of 21 mm for the upper section, and a total height of 71.1 mm for the entire unit. On the right is a top-down view of the camera, showing a circular face with a diameter of 117 mm (indicated as Ø117). Two small circles are visible on the face, likely representing mounting holes or status LEDs.</p>	

# DCS-6116 3 Megapixel Day & Night Dome Network Camera

Order Information	
<i>Part Number</i>	<i>Description</i>
DCS-6116	3 Megapixel Day & Night Dome Network Camera

<sup>1</sup> SD/SDHC/SDXC v3.1 compatible

Updated 2015/04/07