# D-Link
### Building Networks for People

## Product Highlights

**Full HD Resolution**

Full HD-1080P high resolution images ensure that you capture all the details you need

**Wide Dynamic Range**

Wide Dynamic Range technology neutralises imperfect lightning, providing clear images with the right amount of contrast even when a subject is backlit

**High-Quality Video Feeds**

Real-time video compression with H.264, MPEG-4, and MJPEG codecs for distribution and recording of high definition video

## DCS-3716

# Full HD WDR PoE Day/Night Fixed Network Camera

## Features

**High Definition Video**
- Sony Exmor 1/2.8" 1.3 Megapixel CMOS
- progressive sensor
- DC iris varifocal 3.1 mm (W) to 8 mm (T) F1.2 CS mount lens
- Full HD resolution up to 3M (1920x1080)
- Real-time H.264, MPEG-4 and Motion JPEG compression
- Built-in removable IR-cut filter for day/night surveillance
- WDR for high contrast enviorments
- ePTZ for virtual PTZ operation
- Multi-stream support
- Privacy mask

**Security and Flexibility**
- Motion detection
- Two-way audio support
- Built-in microphone
- Advanced event management
- 2 alarm inputs / 1 alarm output
- Power over Ethernet (PoE)
- 3GPP mobile surveillance

**Connectivity**
- 10/100 Fast Ethernet port with PoE
- MicroSD/SDHC card slot for onboard storage
- Audio input/output for two way audio

The D-Link DCS-3716 is a Full High-Definition WDR Day & Night Network camera with PoE that provides remote monitoring over the Internet. With a progressive 3 Megapixel CMOS sensor, built-in IR-cut filter, and WDR technology, the DCS-3716 can capture high-definition images under the most extreme lighting conditions.

## High Resolution Surveillance

The D-Link DCS-3716 is a high-end HD Day & Night Network Camera, equipped with a 1/2.8" 3 Megapixel WDR Progressive Scan CMOS sensor and a 3.1-8mm auto iris lens. The camera can capture Full HD video at resolutions of up to 1920 x 1080 (maximum 2048 x 1536) at frame rates up to 30 fps. Snapshots and video can be saved to a network drive, or to onboard storage through the built-in SD Card slot.

## Multiple Video Streams

The DCS-3716 supports simultaneous streaming of H.264, MPEG-4, and MJPEG video to provide both high-quality and bandwidth-efficient compression formats. Each streaming profile can be independently configured with its own resolution, frame rate and compression type. The DCS-3716 also supports full-time analog video out, useful for aiming & focusing the camera or for use with an existing public view monitor.

## Wide Dynamic Range (WDR) Applications

The Wide Dynamic Range (WDR) function provides properly exposed video even under backlit conditions where the intensity of illumination can vary significantly, making the DCS-3716 ideal for high-contrast environments such as such as lobbies, entryways and shipping docks.

## Flexible Connectivity

The DCS-3716 incorporates Power over Ethernet (PoE), which allows it to be easily installed in a variety of locations, even when no power outlet is nearby. The DCS-3716 also includes input and output ports that allow connectivity to external devices such as IR sensors, switches, and alarm relays. An RS-485 interface provides connectivity to an optional pan/tilt enclosure which effectively adds pan/tilt functionality to the DCS-3716.

## Easy to Configure and Operate

This network camera supports the Universal Plug-n-Play feature, which allows computers running on Windows XP/Vista/7 to automatically recognise the camera and add it to the network.

## Open Network Video Interface Forum (ONVIF) Compliant

ONVIF is an open industry forum for the development of a global standard for the interface of IP based physical security products. ONVIF identifies a standard for how IP products within video surveillance and other physical security areas can communicate with each other ensuring interoperability between products regardless of brand. The DCS-3716 is ONVIF compliant and therefore interoperable with other manufacturer's products on the same network such as cameras, storage systems, video analytics products and Video Management Systems.

## Centralised management with D-ViewCam™

The included D-Link D-ViewCam™ (DCS-100) is a sophisticated video management software which enables you to manage up to 32 network cameras, set e-mail alert notifications, create recording schedules, and trigger motion detection to record directly to your hard drive or network folder. D-ViewCam™ also allows you to upload a floor plan of your premises, and create a realistic layout according to the locations of your cameras, further simplifying the management process.

If the worst should happen to your network you need the very best support and fast. Downtime costs your business money. D-Link Assist maximises your uptime by solving technical problems quickly and effectively. Our highly trained technicians are on standby around the clock, ensuring that award-winning support is only a phone call away.

With a choice of three affordable service offerings covering all D-Link business products, you can select the package that suits you best:

### D-Link Assist Gold - for comprehensive 24-hour support

D-Link Assist Gold is perfect for mission-critical environments where maximum uptime is a high priority. It guarantees four hour around-the-clock response. Cover applies 24/7 for every day of the year including holidays.

### D-Link Assist Silver - for prompt same-day assistance

D-Link Assist Silver is designed for 'high availability' businesses that require rapid response within regular working hours. It provides a four hour response service Monday to Friday from 8am to 5pm, excluding holidays.

### D-Link Assist Bronze - for guaranteed response on the next business day

D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist can be purchased together with any D-Link business product. So whether you're buying switching, wireless, storage, security or IP Surveillance equipment from D-Link, your peace of mind is guaranteed. D-Link Assist also offers installation and configuration services to get your new hardware working quickly and correctly.

## Technical Specifications

### Camera

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|---|---|---|
| Camera Hardware Profile | • Sony Exmor 1/2.8" 3 Megapixel progressive CMOS sensor<br>• Minimum illumination: 0.5 lux (Color); 0.05 lux (B/W)<br>• 10X digital zoom<br>• DC iris varifocal lens: 3.1 mm to 8 mm | • WDR SN ratio : 100 dB<br>• Aperture F 1.2<br>• Angle of view<br>  • 38.7° to 95.9° (H)<br>  • 29.1° to 71.1° (V) |
| Image Features | • Configurable image size, quality, frame rate, and bit rate<br>• Time stamp and text overlays<br>• Configurable motion detection windows | • 3 configurable privacy mask zones<br>• Configurable WDR, brightness, saturation, white balance, shutter speed, contrast, and sharpness |
| Video Compression | • Simultaneous H.264/MPEG-4/MJPEG format compression<br>• H.264/MPEG-4 multicast streaming | • JPEG for still images |
| Video Resolution | • 16:9 - 1920 x 1080, 1280 x 720, 800 x 450, 640 x 360, 480 x 270, 320 x 176, 176 x 144 up to 15 fps recording[1] | • 4:3 - 2048 x 1536, 1600 x 1200, 1024 x 768, 800 x 600, 640 x 480, 480 x 360, 320 x 240, 176 x 144 up to 30 fps recording[1] |
| Audio Support | • G.726 audio encoding, bit rate: 8 kbps to 64 kbps | |
| External Device Interfaces | • 10/100 BASE-TX Fast Ethernet port<br>• 2 DI / 1 DO interface<br>• 12 V DC, 200 mA Output | • RS-485<br>• Audio input/output<br>• Video Output |

### Network

| | | |
|---|---|---|
| Network Protocols | • IPv4<br>• TCP/IP<br>• UDP<br>• ICMP<br>• DHCP client<br>• NTP client (D-Link)<br>• DNS client<br>• DDNS client (D-Link)<br>• SMTP client<br>• FTP client<br>• HTTP / HTTPS | • Samba client<br>• PPPoE<br>• UPnP port forwarding<br>• RTP / RTSP/ RTCP<br>• IP filtering<br>• 3GPP<br>• IGMP<br>• ONVIF compliant |
| Security | • Administrator and user group protection<br>• Password authentication | • HTTP and RTSP digest encryption |

### System Management

| | | |
|---|---|---|
| System Requirements for Web Interface | • Operating system: Microsoft Windows, XP, Vista, 7<br>• Browser: Internet Explorer, Firefox, Chrome | |
| Event Management | • Motion detection<br>• Tamper detection[2]<br>• Event notification and uploading of snapshots/video clips via HTTP, SMTP or FTP | • Supports multiple  HTTP, SMTP and FTP servers<br>• Multiple event notifications<br>• Multiple recording methods for easy backup |
| Remote Management | • Take snapshots/video clips and save to local hard drive or NAS via web browser | • Configuration interface accessible via web browser |
| Mobile Support | • Devices with 3GPP playback support | |
| D-ViewCam™ System Requirements | • Operating system: Microsoft Windows 7/Vista/XP<br>• Web browser: Internet Explorer 6 or higher | • Protocol: standard TCP/IP |

| D-ViewCam™ Software Functions | • Remote management/control of up to 32 cameras<br>• Viewing of up to 32 cameras on one screen | • Supports all management functions in web interface<br>• Scheduled motion triggered, or manual recording options |
|---|---|---|
| **Physical** | | |
| Weight | • 580 g | |
| Power | • 12 V DC<br>• 802.3af PoE | |
| Power Consumption | • 4 W | |
| Temperature | • Operating: -10 to 40 ℃ | • Storage: -20 to 70 ℃ |
| Humidity | • Operating: 20% to 80% non-condensing | • Storage: 5% to 95% non-condensing |
| Certifications | • CE<br>• CE LVD<br>• ICES-003 | • FCC<br>• C-Tick |
| Dimensions | | |



¹ Frame rates when streaming video may vary depending on network conditions and method used.
² Available in future firmware update