

## Product Highlights

### Comprehensive Surveillance

Record and view footage up to sixteen network cameras for either medium or large business deployment

### Versatile Recording and Viewing Control

Perform smart search based on set criteria, view multiple video footage concurrently, and schedule when and for what events to record

### Convenient and Easy To Use

Simple HDMI and VGA interface allows extensive actions to be taken on viewing, recording, adjusting cameras

### Flexible and Dependable

With up to 8 TB of storage you can choose to record all the time, define a precise schedule, or simply record in response to events



## DNR-F4216

# 16CH Professional Network Video Recorder (NVR)

## Features

### Trustworthy Surveillance

- Reliable network video recorder for home and business
- View real-time and recorded video of all 16 cameras from anywhere at your home or office, or remotely via the Internet Convenient Interface
- User-friendly interface provides simultaneous live view, recording, and playback
- Continuous or scheduled recording with automatic overwrite function

### Convenient Interface

- Effortless network camera setup and management with HDMI and VGA ports
- User-friendly interface provides 16 channels of simultaneous live view, recording, 4 channel playback and single camera PTZ at a time
- Continuous or scheduled recording with automatic overwrite function

### Precision Technology

- 2-bay SATA 3.5" HDD interface, up to 8 TB of hard disk storage space of recorded video

### Flexible and Scalable

- Stand-alone device: Eliminates the need for a dedicated PC
- Supports Onvif network cameras
- Power fail recovery recording
- One 10/100/1000 Mbps auto-MDIX LAN port

D-Link's DNR-F4216 Professional Network Video Recorder (NVR) offers a comprehensive video display, storage, and management solution. DNR-F4216 NVR provides reliable high quality remote monitoring functionality that is much more cost-effective than conventional surveillance systems.

## Live Monitoring and Camera Adjustment

D-Link's intuitive GUI interface simplifies viewing live and recorded video from the NVR. The camera status page shows connection and recording status, along with frame rate and bit rate information for each camera. Users are provided with a variety of options for viewing and organizing camera footage on-screen. For a system with multiple channels, users can simply click cameras to view live video. Camera names and recording status are displayed via OSD (On Screen Display) to aid in identification. Presets from within the interface can be set to instantly restore a previously saved view. A single camera may be viewed full screen. Users can control pan/tilt/zoom (PTZ) functions from interface using provided interface buttons.

## Extensive Recording Functionality

A clear single-page interface assists with configuration including compression, resolution and frame rate for connected cameras. The NVR records video up to 16 network cameras simultaneously. Once cameras have been set up, a highly configurable scheduling system allows for continuous recording / Schedule recording or Event based recording. Each camera can be set to record independently at preset intervals. The NVR can be configured to overwrite the oldest data automatically when HDD space runs out, allowing for continuous and uninterrupted recording.

## Convenient and Reliable & Secure Storage

Complete video management and the ability to playback and record new video simultaneously, the DNR-F4216 is an extremely convenient and effective video recorder.

D-Link NVR ensures the security and integrity of IP camera footage. Administrators may filter external connections to the NVR by IP address- for limiting access and thus increasing security. Recorded data is stored in a secure database. This recorded data can be backed on any local PC hard disk

## Powerful Event Management

The NVR centrally controls the e-mail notifications, and recording for all the connected cameras. Input triggered from camera events can additionally be monitored. These events will be logged, with notifications via e-mail. Users can set up multiple contact lists for event notification. A straightforward logging system organizes events by date for easy recall.

## Complete Network Functionality

The D-Link NVR takes advantage of existing network architecture, using features such as PPPoE services. The NVR can acquire an IP address from a DHCP server to become easily searchable during installation. Dynamic DNS is supported for systems operating without a fixed IP address. The NVR can then be accessed from the Internet using an easy-to-remember domain name provided by the DDNS service. Maintaining an accurate record of time is essential if recorded data is to be used as evidence. To ensure that the recorded time is always accurate, the NVR has RTC to update the system clock from an Internet server using the Network Time Protocol (NTP).

## Technical Specification

### General

Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3/u/z</li> <li>• AutoMDI/MDI-X</li> </ul>	<ul style="list-style-type: none"> <li>• SATA II, III</li> </ul>
HDD	<ul style="list-style-type: none"> <li>• Reformat Disk</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 4TB HDD each bay</li> </ul>
Two Reset Modes	<ul style="list-style-type: none"> <li>• Reset Web GUI</li> </ul>	<ul style="list-style-type: none"> <li>• Reset from local display GUI</li> </ul>

### Performance

Flash ROM	<ul style="list-style-type: none"> <li>• 128MB</li> </ul>
RAM	<ul style="list-style-type: none"> <li>• 1024 MB DDR III</li> </ul>
Network Interface	<ul style="list-style-type: none"> <li>• Gigabit Ethernet LAN port (10/100/1000 Mbps): 2Ports</li> </ul>
I/O Ports	<ul style="list-style-type: none"> <li>• RJ-45 port</li> <li>• DC-in jack</li> <li>• One HDMI supporting resolution - 1920x1080/60Hz, 1280x720/60Hz, 1024x768/60Hz</li> <li>• RTP/RTCP, TCP/UDP, HTTP, DHCP, DNS, NTP</li> <li>• 2 x 2.0 USB Host</li> <li>• Audio input x 1, output x 1</li> <li>• One VGA supporting resolution - 1920x1080/60Hz, 1280x720/60Hz, 1024x768/60Hz</li> </ul>
Power Adapter	<ul style="list-style-type: none"> <li>• DC 12V, Max Input 36W</li> </ul>

### Software

OS	<ul style="list-style-type: none"> <li>• Linux</li> </ul>
Supported Cameras	<ul style="list-style-type: none"> <li>• Supports Onvif network cameras</li> </ul>
System Requirements for Web Interface	<ul style="list-style-type: none"> <li>• Browser: Internet Explorer, Firefox</li> </ul>

## Technical Specification

### Software

Recording Performance	<ul style="list-style-type: none"> <li>• Resolution - 6MP/5MP/4MP/3MP/1080P/960P/720P/D1/VGA/CIF/QCIF</li> <li>• FPS - 15/25/30</li> <li>• Bitrate - VBR / CBR (32 Kbps ~ 16 Mb/s) throughput 100kbps -8Mbps for 16 channels of main stream</li> </ul>	
Audio and Video Recording	<ul style="list-style-type: none"> <li>• Synchronized audio &amp; video recording</li> </ul>	
Compression Format	<ul style="list-style-type: none"> <li>• H.264</li> </ul>	
Video Setting	<ul style="list-style-type: none"> <li>• Resolution, quality, frame rate, enable audio</li> </ul>	
Recording Type	<ul style="list-style-type: none"> <li>• Record by schedule, manual, and event-based recording</li> </ul>	<ul style="list-style-type: none"> <li>• Motion-triggered recording</li> </ul>
Live View	<ul style="list-style-type: none"> <li>• HDMI and VGA</li> </ul>	<ul style="list-style-type: none"> <li>• Supported via browser</li> </ul>
Live View Control	<ul style="list-style-type: none"> <li>• Live view, preset/go, patrol, focus, PTZ functions, snapshot, full screen, digital zoom</li> </ul>	
Playback	<ul style="list-style-type: none"> <li>• Supported via browser and HDMI/VGA</li> </ul>	
Playback Control	<ul style="list-style-type: none"> <li>• Playback with normal, fast forward/rewind and step forward/rewind</li> </ul>	<ul style="list-style-type: none"> <li>• Digital zoom</li> </ul>
Overwrite Recording	<ul style="list-style-type: none"> <li>• Auto recycling when disk storage is full</li> </ul>	
File Export	<ul style="list-style-type: none"> <li>• Local: Raw format</li> </ul>	
User Account	<ul style="list-style-type: none"> <li>• Additional accounts can be created to allow users system access</li> </ul>	
DDNS	<ul style="list-style-type: none"> <li>• DDNS client support</li> </ul>	
System Time	<ul style="list-style-type: none"> <li>• Set the system time (NTP input time, sync with computer, Daylight Saving Time)</li> </ul>	
Network Service Protocols	<ul style="list-style-type: none"> <li>• IPV4,ARP, TCP, UDP, ICMP</li> <li>• DHCP Client</li> <li>• NTP Client</li> <li>• DNS Client</li> <li>• DDNS Client</li> <li>• SMTP Client</li> <li>• PPPoE</li> </ul>	<ul style="list-style-type: none"> <li>• HTTP &amp; HTTPS</li> <li>• IP filtering</li> <li>• UPnP</li> <li>• Multicast</li> <li>• SMTP</li> </ul>
User Interface	<ul style="list-style-type: none"> <li>• HTTP Web browser</li> <li>• HDMI/VGA Local Display</li> </ul>	<ul style="list-style-type: none"> <li>• Smart phone</li> <li>• Multiple Language GUI</li> </ul>
Event Managemet	<ul style="list-style-type: none"> <li>• Events - Motion Detection, Video loss, Disk space full</li> </ul>	<ul style="list-style-type: none"> <li>• Alert - Email</li> </ul>
On Screen Display	<ul style="list-style-type: none"> <li>• Configurable channel number, text position, date and time</li> </ul>	

# DNR-F4216

## 16CH Professional Network Video Recorder (NVR)

### Technical Specification

#### Physical

Weight	• <4.5Kg
Maximum Power Consumption	• <10W without HDD
Temperature	• -10 °C ~ +45 °C
Humidity	• 0% ~ 90% RH non-condensing
Certifications	• CE • FCC

#### Order Information

Part Number	Description
DNR-F4216	16CH Professional Network Video Recorder (NVR)