

## Product Highlights

### Comprehensive video surveillance solution

Can store up to 6TB of video for up to nine cameras

### Security

In the event of an HDD failure, data integrity is maintained on the secondary HDD.

### Multi-NVR Viewer

Supports simultaneous display of up to 128 channels

### Monitoring

Input triggers from camera motion detection or digital input interfaces can be additionally monitored



## DNR-326

# 2-Bay Professional Network Video Recorder

## Features

### Reliable Recording

- Reliable network camera surveillance recorder for businesses
- Record video for up to nine network cameras
- View real-time video of all nine cameras from anywhere in your office, or remotely via the Internet
- Allows concurrent viewing and recording

### Easy to use GUI and management

- Simple network camera setup and management
- User-friendly interface provides simultaneous live view, recording, and playback
- Continuous or scheduled recording with automatic overwrite function
- Reliable backup and power failure recovery functions

### Precision Technology

- Smart Search technology accelerates and simplifies event investigation
- Green solution: Consumes less power and eliminates the need for a dedicated PC for continuous recording
- Live monitoring includes full-screen, snapshot, and pan/tilt/zoom (PTZ) control
- Precision playback with step/fast forward/rewind and video enhancement
- Export video as AVI or ASF with timestamp
- Calendar search and video preview before playback

### Easy Setup and Configuration

- Directly connectable to the Internet as PPoE support eliminates the need to install a remote router
- Supports PPPoE, DHCP, and Static IP assignment
- 2-bay SATA 3.5" HDD interface
- Up to 6 TB of hard disk storage space of recorded video<sup>1</sup>
- RAID 0/1 and JBOD support

### Dependable Data Security

- Protects important surveillance files with automatic backups to mirrored hard drives using RAID 1 technology<sup>2</sup>
- USB connection to UPS for power failure notification

### Flexible and Scalable

- Stand-alone device: Eliminates the need for a dedicated PC
- Supports D-Link and 3rd party network cameras

The DNR-326 2-Bay Professional Network Video Recorder (NVR) offers a comprehensive video display, storage, and management solution. It enables businesses to record video simultaneously for up to nine cameras in local or remote sites. With an easy-to-use interface, the DNR-326 allows for flexible recording options including continuous, schedule-based, and event-based recording independently for each camera. This NVR uses inexpensive 3.5" SATA Hard Disks. The DNR-326 also allows for simple installation & seamless integration in existing network infrastructures.

## Instant Live View

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. The total available recording time for the system is also clearly displayed for each NVR.

## Live Monitoring & Camera Adjustment

Users are provided with a variety of options for viewing and organising camera footage on-screen. For a system with multiple channels, users can simply drag and drop selected cameras to the viewing area. Camera names and recording status are displayed via on-screen display (OSD) 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 fullscreen with optional two-way audio. Users can control pan/tilt/zoom (PTZ) functions from within the interface using the provided interface buttons or by directly clicking on the video.

<sup>1</sup> Hard drive(s) not included with the NVR. An internal SATA drive is required to store video files. RAID 1 mirroring requires the use of two internal SATA drives. 6 TB capacity is provided when you install two 3 TB 3.5" hard disks in your NVR. Disk capacity may increase pending future advances in HDD technology.

<sup>2</sup> To avoid data incompatibility in RAID 1 operation, use SATA drives from the same manufacturer. Formatted drive capacity for RAID 1 operation is dependant on the drive capacity of the lowest-sized drive. Older generation SATA drives may be incompatible. For a list of SATA drives that have been tested to work with your D-Link NVR, visit D-Link support web sites.

## 2-Bay Professional Network Video Recorder

### Extensive Recording Functionality

A clear single-page interface aids configuration including compression, resolution and frame rate for all connected cameras. The NVR records video from up to nine local and remote network cameras. Once cameras have been set up, a highly configurable scheduling system allows for continuous recording or recording during specifically allocated timeframes. Each camera can be set to record independently at preset intervals. The NVR also provides event recording based on specific triggers such as when motion is detected.

The NVR can be configured to overwrite the oldest data automatically when HDD space runs out, allowing for continuous and uninterrupted recording. Users can specify the number of days the recording should be kept (within the limits of the HDD capacity). For example, if the NVR has the capacity to store 7 days of recording, using the overwrite option, the NVR will record the 8th day and delete the 1st day. The NVR also provides the option to stop recording when the HDD is full. When the disk reaches capacity, a notification can be sent via e-mail or to an external device such as an audible alarm or LED display via a Digital Input/Digital Output (DI/DO) interface only.

### Powerful Event Management

The NVR centrally controls the digital output, e-mail notifications, and recording for all the connected cameras. Input triggers from camera motion detection or digital input interfaces can additionally be monitored. These events will be logged, with optional notifications via e-mail or output devices. Users can set up multiple contact lists for event notification. A straightforward logging system organises events by date for easy recall.

### Intelligent Playback

Searching through recorded data can be tedious and frustrating. However, the NVR's smart search function makes detecting notable events easier. By selecting a target area on the video and setting search sensitivity, the smart search will traverse the video database based on specified search criteria to locate important events. Search criteria include options such as motion detection, missing or foreign objects, lost focus, or camera occlusion.

After selecting a desired video period for display, the NVR can instantly begin playback. The DNR-326 supports 4-channel simultaneous playback. Playback speed control allows for up to 16x speed fast forward or fast backward play. The step playback option displays one frame at a time. Additionally, users can enhance the recorded video with controls such as brightness, contrast, and sharpness. During playback, if a user uncovers video that needs to be exported, two formats are available. The AVI and ASF file formats will transpose a timestamp on the exported video.

If a printer is connected to the user's PC, the NVR can also print the selected still image. The D-Link NVR ensures the security and integrity of IP camera footage. Administrators may filter external connections to the NVR by IP address, limiting access and thus increasing security. The NVR also includes the option to protect data using a RAID 1 configuration. RAID 1 duplicates the recordings database onto two separate drives. In the event of an HDD failure, data integrity is maintained on the secondary HDD.



### D-Link Assist

Rapid Response Support

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.

## 2-Bay Professional Network Video Recorder

A UPS can be used as emergency power supply for the NVR. The UPS uses a USB interface to notify the NVR to perform a full shutdown before battery power runs out. In the event of a power failure without a UPS, the NVR will boot up automatically once power is restored. Of course, the security of data is important and should be protected from theft. For this reason, the sleek NVR enclosure is compact and easy to conceal in a secure remote location. The rear panel features a cover lock that protects the HDD and a security lock that allows the device to be secured with cable.

### Complete Network Functionality

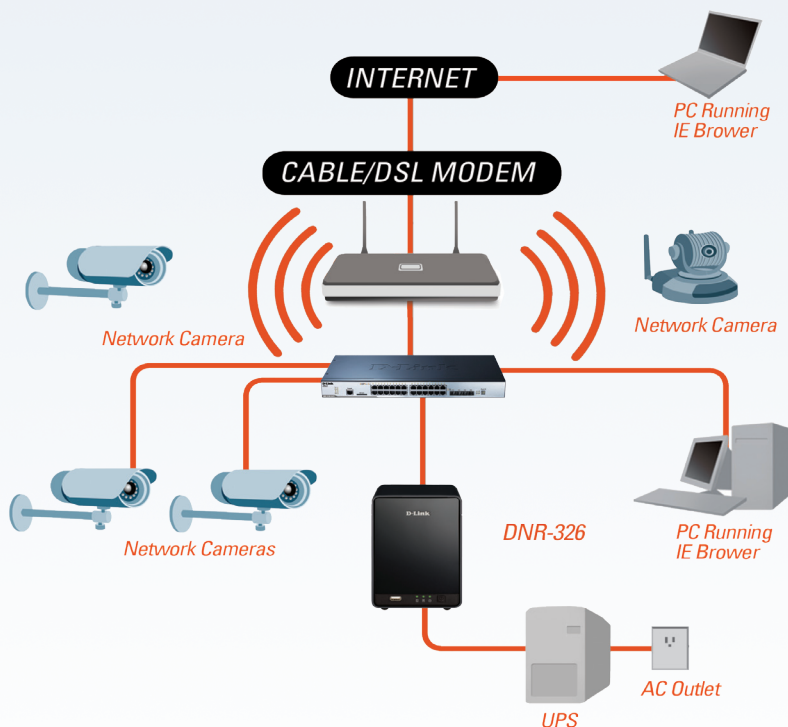
The D-Link NVR takes advantage of existing network architecture, using features such as PPPoE and ADSL services. The NVR can acquire an IP address from a DHCP server to become easily searchable during installation. Dynamic DNS is supported for systems operating without a fixed IP address. The NVR can then be accessed from the Internet using a 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 can update the system clock from an Internet server using the Network Time Protocol (NTP).

### D-ViewCam NVR Software

The D-ViewCam NVR software bundled with the D-Link NVR consists of five main layback Manager, Backup and File Manager, Verification Tool, NVR Search, and Multi-NVR Viewer. The Multi-NVR Viewer supports simultaneous display of up to 128 channels. Easily organise the view by directly dragging and dropping video onto the display window. Cameras managed by the NVR can be viewed as individual sites or categorised into groups.

The Playback Manager includes a clean and simple web GUI interface that allows users to play, search, or export video. The Backup and File Manager is a flexible backup utility that simplifies the process of backing up video data from the NVR to external storage. The Verification Tool verifies whether data created by the system has been tampered with or not by adding a digital signature to each recorded video frame. NVR Search allows you to search for NVR devices in the local area network.

### DNR-326 Network Setup



### DNR-326 Web Interface



Technical Specifications		DNR-326
<b>General</b>		
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3/u/z</li> <li>• Auto MDI/MDI-X</li> <li>• SATA I, II</li> </ul>	
HDD	<ul style="list-style-type: none"> <li>• HDD control &amp; manage via PC</li> <li>• Reformat Disk</li> <li>• RAID 0, 1</li> <li>• JBOD</li> </ul>	
Security	<ul style="list-style-type: none"> <li>• Cover lock</li> <li>• Security lock</li> </ul>	
<b>Performance</b>		
Flash ROM	<ul style="list-style-type: none"> <li>• 32 MB</li> </ul>	
RAM	<ul style="list-style-type: none"> <li>• 128 MB DDR II</li> </ul>	
Network Interface	<ul style="list-style-type: none"> <li>• Gigabit Ethernet LAN port</li> <li>• (10/100/1000 Mbps)</li> </ul>	
I/O Ports	<ul style="list-style-type: none"> <li>• RJ-45 port</li> <li>• DC-in jack</li> <li>• USB port for UPS status u</li> </ul>	
Power Adapter	<ul style="list-style-type: none"> <li>• DC 12 V/4 A</li> </ul>	
<b>Physical &amp; Environment</b>		
Maximum Power Consumption	<ul style="list-style-type: none"> <li>• 25.20 W</li> </ul>	
Standby State Maximum Power Consumption	<ul style="list-style-type: none"> <li>• 0.234 W</li> </ul>	
Operating Temperature	<ul style="list-style-type: none"> <li>• 0 to 55 °C (32 to 131 °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>• 5% to 90% (non-condensing)</li> </ul>	
Dimensions	<ul style="list-style-type: none"> <li>• 115 x 146.4 x 178.5 mm</li> <li>• (4.52 x 5.76 x 7.03 inches)</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• 0.875 kg (1.92 lbs)</li> </ul>	
Certifications	<ul style="list-style-type: none"> <li>• CE</li> <li>• FCC</li> <li>• RoHS</li> </ul>	

# 2-Bay Professional Network Video Recorder

## Software Features

### OS

- Linux

### Supported Cameras

- Supports all D-Link IP cameras. Includes support for auto-discovery and megapixel resolution
- Supports known-brand network cameras including D-Link, Axis, Panasonic, Sony, Mobotix, Arecont Vision, IQinVision, Cisco, and Acti

### Recording Performance

- Max. capacity (NVR mode only):
  - H.264 1080P (bitrate): 90 Mbps
  - H.264 720P (bitrate): 90 Mbps
  - MJPEG 1080P (frame rate): 90 fps
  - MJPEG 720P (frame rate): 192 fps
- Max. capacity (NVR+File Server mode):
  - H.264 1080P (bitrate): 68 Mbps
  - H.264 720P (bitrate): 68 Mbps
  - MJPEG 1080P (frame rate): 70 fps
  - MJPEG 720P (frame rate): 150 fps

### Camera Search

- UPnP
- Synchronised audio & video recording

### Compression Format

- H.264, MPEG-4, M-JPEG (for supported cameras)

### Video Setting

- Resolution, quality, frame rate, enable audio, go to camera interface

### Recording Type

- Recording by schedule, manual and event (DI trigger, motion detection from camera)

### Remote Live View

- Supported via IE remote live viewer
- Maximum 9 simultaneous channels

### Remote Live View Control

- Live view, preset/go, patrol, focus, PTZ functions, snapshot, full screen, digital zoom

### Remote Playback Control

- Playback with normal, fast forward/rewind and step forward/rewind
- Smart Search Intelligent detection function: General Motion, Missing Object, Foreign Object, Camera Occlusion, Lose Focus

### Remote Playback

- Supported via IE and NVR client
- Playback system with timeline GUI, search by event, area, cameras, date, and time
- IE & NVR client support four channel simultaneous playback

### Overwrite Recording

- Auto recycling when disk storage is full

### File Export

- Export videos to AVI or ASF file
- Export images to BMP or JPG file

### User Account

- Additional accounts can be created to allow user access to the system and specify authorisation for camera channels, PTZ, etc.

### DDNS

- D-Link DDNS server support

### Two Reset modes

- Reset firmware GUI button
- HW reset button (hold for 5 seconds)

### System Time

- Set the system time (D-Link NTP, input time, sync with computer, Daylight Saving Time)

### Remote Backup

- Remote software can backup raw data to redundant storage
- Backup recorded data to remote FTP site by daily schedule

### System Status

- Camera status
- System status

### Network Service Protocols

- PV4, ARP, TCP, UDP, ICMP
- DHCP Server
- DHCP Client
- NTP Client (D-Link)
- DNS Client
- DDNS Client (D-Link)
- SMTP Client
- HTTP Server
- PPPoE
- UPnP
- IP filtering
- Samba Server

### User Interface

- HTTP Web browser
- Internet Explorer 7 or later
- NVR Search utility
- Multiple Language GUI

### Package Contents

- 2-Bay NVR
- Power Adapter
- Ethernet Cable
- Quick Installation Guide
- Power Cable Holder
- CD-ROM with:
  - Software
  - Product Documentation

## D-Link Europe

### D-Link European HQ

[www.dlink.eu](http://www.dlink.eu)

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