D-Link®

Product Highlights

Comprehensive video surveillance solution
Can store up to 8 TB of video for up to nine cameras

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

Central Management Software
View and manage NVRs at multiple locations, up to 128 cameras at a time

Monitoring
Input triggers from camera motion detection or digital input interfaces can be 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
- Energy savings:
  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

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 from 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[1]., and 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 organizing 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.

Easy Setup and Configuration

- Directly connectable to the Internet as PPPoE 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 8 TB of hard disk storage space of recorded video[1]
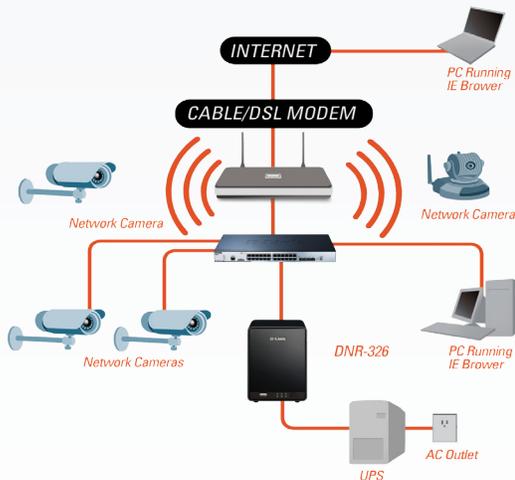- RAID 0/1 and JBOD support

Dependable Data Security

- Protects important surveillance files with automatic backups to mirrored hard drives using RAID 1 technology[2]
- 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

DNR-326 Network Setup

DNR-326 Web Interface

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 time frames. 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 organizes events by date for easy recall.

Intelligent Playback

Searching through recorded data can be tedious and frustrating. The DNR-326'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 has video that needs to be exported, two formats are available. The AVI and ASF file formats will also overlay a timestamp on the exported video.

If a printer is connected to the user's PC, the NVR can also print a 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.

Technical Specifications

General

Standards	• IEEE 802.3/u/z	• Auto MDI/MDI-X	• SATA I, II
HDD	• HDD control & manage via PC	• Reformat Disk	• RAID 0, 1 • JBOD
Security	• Cover lock	• Security lock	

Performance

Flash ROM	• 32 MB
RAM	• 128 MB DDR II
Network Interface	• Gigabit Ethernet LAN port
I/O Ports	• RJ-45 port • DC-in jack • USB port for UPS status
Power Adapter	• DC 12 V/4 A

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, MJPEG (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 • IE & NVR client support four channel simultaneous playback	• Playback system with timeline GUI, search by event, area, cameras, date, and time
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 authorization 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

Physical & Environmental

Maximum Power Consumption	• 25.20 W	• Standby State: 0.234 W	
Operating Temperature	• 32°F to 131°F (0° to 55°C)		
Storage Temperature	• -4°F to 158°F (-20° to 70°C)		
Operating Humidity	• 5% - 90% non-condensing		
Certifications	• CE	• FCC	• RoHS
Dimensions	• 4.52" x 5.76" x 7.03" (115 x 146.4 x 178.5mm)		
Weight	• 1.92lbs (0.875 kg)		

Warranty

Warranty	• 1-Year Limited

Ordering Information

Part Number	Description
DNR-326	2-Bay Professional Network Video Recorder

[1] 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. 8 TB capacity is provided when you install two 4 TB 3.5" hard disks in your NVR. Disk capacity may increase pending future advances in HDD technology.
[2] To avoid data incompatibility in RAID 1 operation, use SATA drives from the same manufacturer. Formatted drive capacity for RAID 1 operation is dependent 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.

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U.S.A. | 17595 Mt. Herrmann Street | Fountain Valley, CA 92708 | 800.326.1688 | dlink.com