D-Link
Building Networks for People

## Product Highlights

**Concurrent Viewing**

Record and view real-time video from up to 16 cameras in the office or remotely over the Internet

**Easy Setup and Configuration**

mydlink technology enables easy setup of remote viewing using a web browser over the Internet

**Dependable Data Security**

Protects important surveillance files with automatic backups to mirrored hard drives using RAID 1 technology

## DNR-322L

# mydlink™ 2-Bay Network Video Recorder

## Features

**Trustworthy Surveillance**

- Reliable network camera surveillance recorder for home and business
- View real-time and recorded video of all 16 cameras from anywhere in your home or office, or remotely via the Internet

**Convenient Interface**

- Effortless network camera setup and management
- User-friendly interface provides simultaneous live view, recording, and playback
- Continuous or scheduled recording with automatic overwrite function

**Precision Technology**

- Green solution: Consumes less power and eliminates the need for a dedicated PC for continuous recording
- 2-bay SATA 3.5" HDD interface supports up to 12 TB of hard disk storage space of recorded video[1]
- Protects important surveillance files with automatic redudancy using RAID 1 technology

**Flexible and Scalable**

- Stand-alone device: Eliminates the need for a dedicated PC recording platform
- Supports D-Link network cameras

The DNR-322L mydlink™ 2-Bay Network Video Recorder is a standalone storage device that can record video from up to 16 network cameras to its dedicated HDD storage[1] without requiring users to turn on their PC. Empowered by mydlink technology, the DNR-322L supports real-time remote monitoring and playback via a web browser using the mydlink website or the NVR's web GUI. The DNR-322L has the ability to continue recording live while a user is viewing or searching footage at the same time. With complete video management, the DNR-322L's display and playback ability make it a convenient and effective video recorder.

## Versatile Monitoring

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 statuses are displayed via the on-screen display. A single camera may be viewed full-screen with two-way audio support. Users can control Pan/Tilt/Zoom (PTZ) functions from within the interface or by directly clicking on the video.

## Secure Storage

Administrators may filter external connections to the NVR by IP address, limiting access and thus increasing security. Administrators may also choose access privileges for users by specifying the cameras they may access. The recorded data can be backed up to additional storage locations periodically or whenever needed. The NVR also includes the option to protect data using a RAID 1 configuration, which duplicates recorded data onto two separate hard drives. In the event of HDD failure, data integrity is maintained on the secondary HDD.

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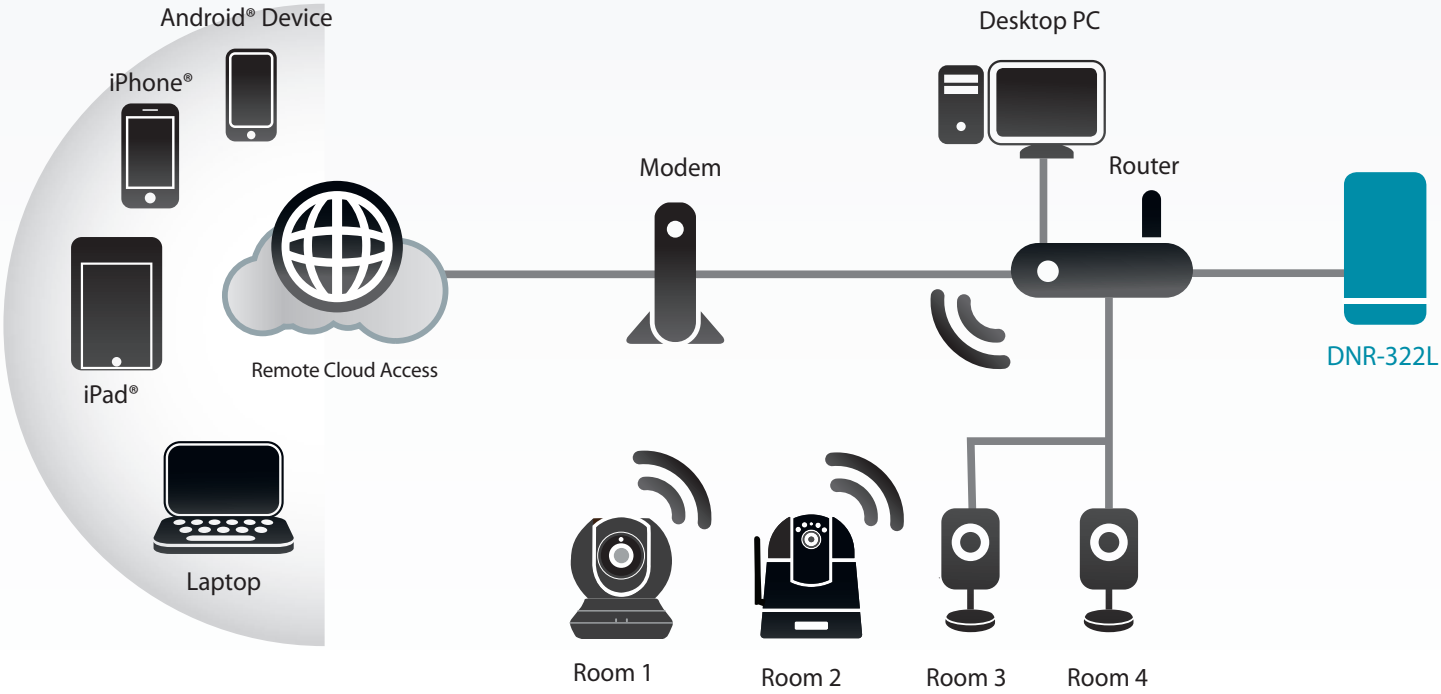
## Extensive Recording Functionality

The DNR-322L's clear interface allows for easy configuration including compression, resolution, and frame rate for all connected cameras. Once the cameras have been set up, recordings can be made continuously, or according to a user-defined schedule. The NVR also provides event recording based on specific triggers such as when motion is detected.

## Bundled NVR Software

The NVR software bundled with the DNR-322L consists of five main components including a Playback Manager, a Backup System, and a very versatile search tool. The Playback Manager includes a clean and simple web GUI interface that allows users to play, search, or export video. The Backup System is a flexible backup utility that greatly simplifies the process of backing up video data from the NVR to external storage.

## Network Setup



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# DNR-322L mydlink™ 2-Bay Network Video Recorder

## Technical Specifications

| | | |
|---|---|---|
| **General** | | |
| Number of Supported Cameras: | • 16 | |
| User Interface | • mydlink web portal<br>• HTTP web browser | • NVR Search Utility<br>• Smart Phone |
| Compression Format | • H.264, MPEG-4, M-JPEG (for supported cameras) | |
| Standards | • IEEE 802.3/u/z | • Auto MDI/MDI-X |
| Network Service Protocols | • IPV4, ARP, TCP, UDP, ICMP<br>• DHCP Client<br>• NTP Client (D-Link)<br>• DNS Client<br>• DDNS Client (D-Link) | • SMTP Client<br>• HTTP Server<br>• PPPoE<br>• UPnP<br>• IP filtering |
| Flash ROM | • 128 MB | |
| RAM | • 512 MB DDR II | |
| **Video Features** | | |
| OS | • Linux | |
| Supported Cameras | • Supports D-Link network cameras and megapixel resolution | • ONVIF Cameras |
| System Requirements for Web Interface | • Operating System: Windows 8/7; Mac OS 10.7 or above | • Browser: Internet Explorer 8, Safari 7 (Mac OS) or above |
| Recording Performance | • Primary video profile:<br>  • H.264 1080p (frame rate): 240 fps<br>  • H.264 720p (frame rate): 480 fps | • Secondary video profile:<br>  • H.264 VGA (frame rate): 240 fps |
| Camera Search | • LANDAP<br>• ONVIF | • Hello command |
| Audio and Video Recording | • Synchronized audio & video recording | |
| Compression Format | • H.264, MPEG-4, M-JPEG (for supported cameras) | |
| Video Setting | • Resolution, quality, frame rate, enable audio | |
| Recording Type | • Recording by schedule, manual and event (DI trigger, motion detection from camera) | |
| Remote Live View | • Supported via web browser remote live viewer | • Supports mydlink portal |
| Remote Live View Control | • Live view, preset/go, patrol, focus, PTZ functions, snapshot, full screen, digital zoom | |
| Remote Playback | • Supported via browser and NVR client<br>• Playback system with timeline GUI, search by event, cameras, date, and time | • Browser & NVR client support 16 channels playback |
| Remote Playback Control | • Playback with normal, fast forward/rewind and step forward/rewind | |
| File Export | • Export video to AVI file supported | • Export image to JPG file supported |
| Recording Type | • Record by schedule, manual, and event-based recording | • Motion-triggered recording |
| Remote Backup | • HDD control & management via PC | • Remote software can back up raw data to redundant storage |
| Overwrite Recording | • Auto recycling when disk storage is full | |
| User Account | • Additional accounts can be created to allow user access to the system and specify authorization for camera channels, PTZ, etc. | |

# DNR-322L mydlink™ 2-Bay Network Video Recorder

| | | |
|---|---|---|
| DDNS | • D-Link DDNS server support | |
| System Time | • Set the system time (D-Link NTP, input time, sync with computer, Daylight Saving Time) | |
| System Status | • Camera status<br>• Still picture EMAP support | • System status |
| **Physical** | | |
| Device Buttons | • Power Button<br>• Camera Auto Scan Button | • Factory Reset Button |
| I/O Ports | • USB port for data backup | |
| Hard Disk Drive Bay | • Supports 2 SATA I, II, III Hard Disk Drives[1] | • RAID 0[2], 1[2], or JBOD configuration |
| Network Interface | • Gigabit Ethernet LAN port (10/100/1000 Mbps) | |
| Power Input | • DC 12 V/3 A | |
| Maximum Power Consumption | • 25.20 W (0.23 W Standby) | |
| Dimensions | • 193.2 x 144.4 x 90 mm (7.61 x 5.69 x 3.54 inches) | |
| Weight | • 592 g (1.31 lbs) | |
| Operating Temperature | • 0 to 40˚C (32 to 104˚F) | |
| Storage Temperature | • -20 to 70˚C (-4 to 158˚F) | |
| Humidity | • 5% to 90% non-condensing | |
| Package Contents | • DNR-322L 2-Bay mydlink NVR<br>• Ethernet Cable<br>• Power Adapter<br>• Hard Drive Mounting Kit | • Quick Installation Guide<br>• Installation CD-ROM with:<br>  • Software<br>  • Product Documentation |
| Certifications | • CE<br>• FCC | • RoHS |
| **Order Information** | | |
| *Part Number* | *Description* | |
| DNR-322L | mydlink™ 2-Bay Network Video Recorder | |

[1] Hard disks not included.
[2] RAID 0 and RAID 1 mirroring requires the use of two internal SATA drives. To avoid data incompatibility in RAID 1 operation, use identical SATA drives from the same manufacturer. Formatted drive capacity for RAID 1 operation is dep on the drive capacity of the lowest-sized drive. Some older generation SATA drives may not be compatible. For a list of SATA drives that have been tested to work with the NVR, visit the D-Link support website.

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