

Product Highlights

Concurrent Viewing

Record and view real-time video from up to 9 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

Flexible and Dependable

With upto 4TB of storage you can choose to record all the time, define a precise schedule, or simply record in response to events



DNR-312L

mydlink One-bay standalone NVR

Features

Trustworthy Surveillance

- Reliable network camera surveillance recorder for home and DIY users
- View real-time and recording video of all four cameras from anywhere in your home or office, or remotely via the Internet
- M-JPEG, MPEG4 or H.264 video format

Convenient Interface

- Effortless network camera setup and management
- User-friendly interface provides 9 channels of simultaneous live view, recording, and playback and PTZ control
- Continuous or scheduled recording with automatic overwrite function

Precision Technology

- One-bay SATA 3.5" HDD interface, up to 4 TB of hard disk storage space of recorded video¹

Flexible and Scalable

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

The DNR-312L mydlink One-bay standalone NVR is a standalone storage device that can record video from up to four network cameras to its dedicated HDD storage¹ without requiring users to turn on their PC. Empowered by mydlink technology, the DNR-312L supports real-time remote monitoring and playback via a web browser using the mydlink website or the NVR's web GUI. The DNR-312L 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-312L's display and playback ability make it a convenient and effective video recorder.

mydlink Technology on your Mobile Device

Empowered with mydlink technology, the DNR-312L enables users to remotely view and manage mydlink enabled devices from anywhere via a web browser using the mydlink website or the NVR's web interface. Additionally, using the mobile app means you can access and monitor your DNR-312L from your mobile devices.

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.

Extensive Recording Functionality

The DNR-312L'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.

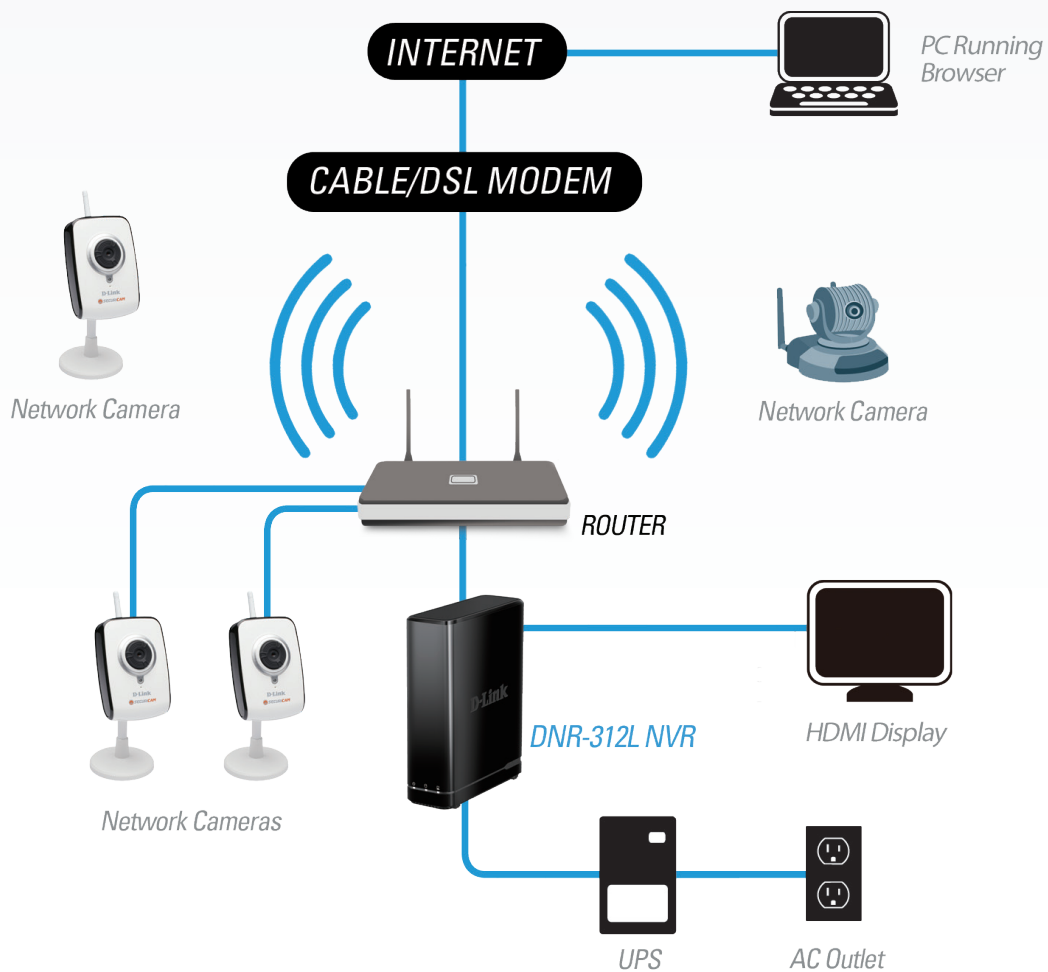
Convenient and Reliable

The DNR-312L can manage multiple network cameras, providing direct access to view live video and play recorded data over the Internet from anywhere, anytime. Complete video management and the ability to playback and record new video simultaneously, the DNR-312L is an extremely convenient and effective video recorder. Moreover, the small size and portability of the DNR-312L make it easy to deploy in any location.

Bundled NVR Software

The NVR software bundled with the DNR-312L 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 is a flexible backup utility that greatly simplifies the process of backing up video data from the NVR to external storage.

Network Setup



Technical Specifications

General

Standards	<ul style="list-style-type: none"> • IEEE 802.3/u/z • Auto MDI/MDI-X 	<ul style="list-style-type: none"> • SATA I, II, III
HDD ¹	<ul style="list-style-type: none"> • Reformat Disk • Upto 4TB HDD 	<ul style="list-style-type: none"> • EXT3 file system
Two Reset Modes	<ul style="list-style-type: none"> • Reset firmware GUI button 	<ul style="list-style-type: none"> • HW reset button (hold for 10 seconds)
Reset Button	<ul style="list-style-type: none"> • Reset to factory default 	

Performance

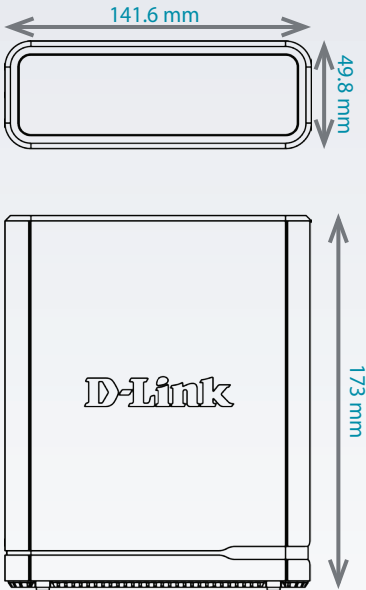
Flash ROM	<ul style="list-style-type: none"> • 128 MB 	
RAM	<ul style="list-style-type: none"> • 512MB DDR II 	
Network Interface	<ul style="list-style-type: none"> • Gigabit Ethernet LAN port (10/100/1000 Mbps) 	
I/O Ports	<ul style="list-style-type: none"> • RJ-45 port • DC-in jack • HDMI 	<ul style="list-style-type: none"> • 2 x USB 2.0 port (Mouse, UPS, Flash Disk, HDD with external power) • 3.5mm audio input x 1/output x 1
Power Adapter	<ul style="list-style-type: none"> • DC 12 V/3 A 	

Software Features

OS	<ul style="list-style-type: none"> • Linux 	
Supported Cameras	<ul style="list-style-type: none"> • Supports all D-Link network cameras. and megapixel resolution 	
System Requirements for Web Interface	<ul style="list-style-type: none"> • Browser: Internet Explorer, Firefox, Chrome, or Safari 	
Recording Performance	<ul style="list-style-type: none"> • First video profile: 120FPS at 720P (H.264 / MPEG4) at 4M bits/sec or 30FPS at 720P (MJPEG) 	<ul style="list-style-type: none"> • Secondary profiles - 15 FPS at VGA /MJPEG
Camera Search	<ul style="list-style-type: none"> • UPnP 	
Audio and Video Recording	<ul style="list-style-type: none"> • Synchronized audio & video recording 	
Compression Format	<ul style="list-style-type: none"> • H.264, MPEG-4, M-JPEG 	
Video Setting	<ul style="list-style-type: none"> • Resolution, quality, frame rate, enable audio, go to camera interface 	
Recording Type	<ul style="list-style-type: none"> • Recording by schedule, manual and event (DI trigger, motion detection from camera) 	
Remote Live View	<ul style="list-style-type: none"> • Supported via browser or NVR Remote Client 	<ul style="list-style-type: none"> • Maximum 9 simultaneous channels
Remote Live View Control	<ul style="list-style-type: none"> • Live view, preset/go, patrol, focus, PTZ functions, snapshot, full screen, digital zoom 	
Remote Playback Control	<ul style="list-style-type: none"> • Playback with normal, fast forward/rewind and step forward/rewind 	
Remote Playback	<ul style="list-style-type: none"> • Supported via browser or NVR Remote Client • Playback system with timeline GUI, search by event, cameras, date, and time 	<ul style="list-style-type: none"> • Browser or NVR Remote Client support 9 channel simultaneous playback
Recording Type	<ul style="list-style-type: none"> • Record by schedule, manual, and event-based recording 	<ul style="list-style-type: none"> • Motion-triggered recording
Remote Live View	<ul style="list-style-type: none"> • Supported via browser 	<ul style="list-style-type: none"> • Supports mydlink portal

Remote Live View Control	<ul style="list-style-type: none"> • Live view, preset/go, patrol, focus, PTZ functions, snapshot, full screen, digital zoom 	<ul style="list-style-type: none"> • e-map
Remote Playback Control	<ul style="list-style-type: none"> • Playback with normal, fast forward/rewind and step forward/rewind 	
Remote Playback	<ul style="list-style-type: none"> • Supported via browser and NVR client • Playback system with timeline GUI, search by event, area, cameras, date, and time 	<ul style="list-style-type: none"> • Browser or NVR Remote Client support 9 channel simultaneous playback • Digital zoom
Overwrite Recording	<ul style="list-style-type: none"> • Auto recycling when disk storage is full 	
File Export	<ul style="list-style-type: none"> • Export videos to AVI or ASF file 	<ul style="list-style-type: none"> • Export images to BMP or JPG file
User Account	<ul style="list-style-type: none"> • Additional accounts can be created to allow user access to the system and specify authorization for camera channels, PTZ, etc. 	
DDNS	<ul style="list-style-type: none"> • D-Link DDNS and DynDns server support 	
System Time	<ul style="list-style-type: none"> • Set the system time (D-Link NTP, input time, sync with computer, Daylight Saving Time) 	
Remote Backup	<ul style="list-style-type: none"> • Remote backup software can backup raw data to redundant storage 	
System Status	<ul style="list-style-type: none"> • Camera status • Still picture EMAP support 	<ul style="list-style-type: none"> • System status
Network Service Protocols	<ul style="list-style-type: none"> • IPV4, ARP, TCP, UDP, ICMP • DHCP Client • NTP Client • DNS Client • DDNS Client • SMTP Client 	<ul style="list-style-type: none"> • FTP Client • HTTP Server • IP filtering • UPnP • HTTPS
User Interface	<ul style="list-style-type: none"> • HTTP Web browser • mydlink portal • Smart phone 	<ul style="list-style-type: none"> • NVR Search utility
Package Contents	<ul style="list-style-type: none"> • mydlink One-bay standalone NVR • Power Adapter • Ethernet Cable • Quick Installation Guide 	<ul style="list-style-type: none"> • CD-ROM with: <ul style="list-style-type: none"> • Software • Product Documentation
Physical		
Weight	<ul style="list-style-type: none"> • 0.425 kg (0.93 lbs) 	
Maximum Power Consumption	<ul style="list-style-type: none"> • 30 W 	
Temperature	<ul style="list-style-type: none"> • Operating: 0 to 40 °C (32 to 104 °F) 	<ul style="list-style-type: none"> • Storage: -20 to 70 °C (-4 to 158 °F)
Humidity	<ul style="list-style-type: none"> • 5% to 90% non-condensing 	
Certifications	<ul style="list-style-type: none"> • CE • FCC 	<ul style="list-style-type: none"> • RoHS

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Dimensions	 <p>Technical drawing of the DNR-312L NVR showing dimensions: 141.6 mm width, 49.8 mm height, and 173 mm depth. The front view shows the 'D-Link' logo.</p>
Order Information	
Part Number	Description
DNR-312L	mydlink One-bay standalone NVR

¹ Hard disk not included.

Updated 2013/09/02