

Product Highlights

Concurrent Viewing

Record and view real-time video from up to nine 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 up to 6 TB of storage you can choose to record all the time, define a precise schedule, or simply record in response to events



DNR-312L

mydlink™ Network Video Recorder with HDMI Output

Features

Trustworthy Surveillance

- Reliable network camera surveillance recorder for home and DIY users
- View real-time and recorded video of all nine cameras from anywhere in your home or office, or remotely via the Internet
- M-JPEG, MPEG-4 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 6 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™ Network Video Recorder with HDMI Output is a standalone storage device that can record video from up to nine 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.

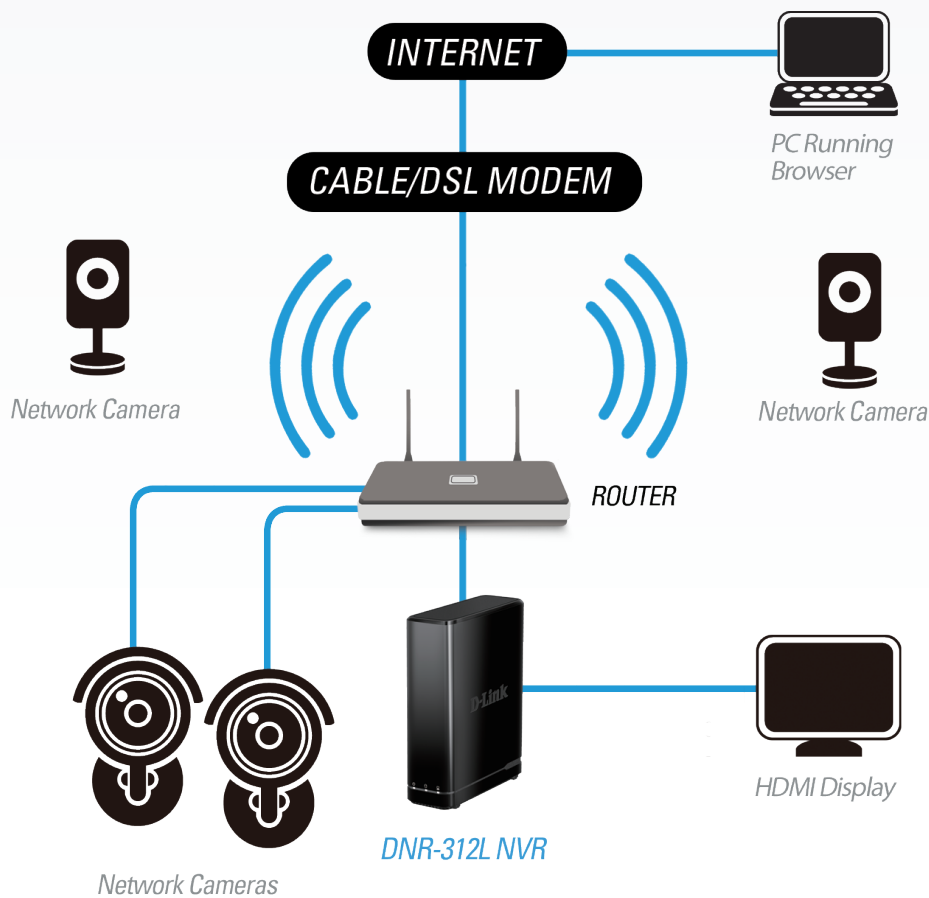
Convenient and Reliable

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 System 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 • Up to 6 TB 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 	
Flash ROM	<ul style="list-style-type: none"> • 128 MB 	
RAM	<ul style="list-style-type: none"> • 1024 MB DDR III 	
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 (only supports 1080p resolution with 16:9 display ratio) 	<ul style="list-style-type: none"> • 2 x USB 2.0 port (Mouse, Flash Disk, HDD with external power) • 3.5 mm audio input x 1, output x 1

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 	
HDMI Output	<ul style="list-style-type: none"> • Supports resolutions up to a maximum of 1920 x 1080 	
Live View/Playback	<ul style="list-style-type: none"> • Supports camera resolutions up to a maximum of 2048 x 1536 	
System Requirements for Web Interface	<ul style="list-style-type: none"> • Browser: Internet Explorer, Firefox, or Safari 	
Recording Performance	<ul style="list-style-type: none"> • Max recording bitrate: 32 Mbit/s • First video profile: <ul style="list-style-type: none"> • H.264 at 720p at 270 fps or • H.264 at 1080p at 135 fps 	<ul style="list-style-type: none"> • Secondary video profile: <ul style="list-style-type: none"> • H.264 at VGA at 135 fps
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"> • 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 four 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"> • Local : Export videos to AVI • Remote: Export videos to AVI or ASF file 	<ul style="list-style-type: none"> • Export images to BMP or JPG file

mydlink™ Network Video Recorder with HDMI Output

User Account	• Additional accounts can be created to allow users system access and specify authorization for camera channels, PTZ	
DDNS	• D-Link DDNS and DynDns server support	
System Time	• Set the system time (D-Link NTP, input time, sync with computer, Daylight Saving Time)	
Remote Backup	• Remote backup software can backup raw data to redundant storage	
System Status	• Camera status • Still picture EMAP support	• System status
Network Service Protocols	• IPV4, ARP, TCP, UDP, ICMP • DHCP Client • NTP Client • DNS Client • DDNS Client • SMTP Client • FTP Client	• HTTP Server • IP filtering • UPnP • HTTPS • Bonjour • SNMP
User Interface	• HTTP Web browser • mydlink portal	• Smart phone • NVR Search utility
Package Contents	• mydlink™ Network Video Recorder with HDMI Output • Power Adapter • Ethernet Cable • Quick Installation Guide	• CD-ROM with: • Software • Product Documentation

Physical

Weight	• 0.425 kg (0.93 lbs)	
Maximum Power Consumption	• 30 W	
Power	• DC 12 V/3 A	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -20 to 70 °C (-4 to 158 °F)
Humidity	• 5% to 90% non-condensing	
Certifications	• CE • FCC	• RoHS • BSMI

Dimensions	<p>The image shows two technical drawings of the D-Link DNR-312L Network Video Recorder. The top drawing is a top-down view showing a rectangular device with rounded corners. A horizontal dimension line above it indicates a width of 141.6 mm. A vertical dimension line to its right indicates a height of 49.8 mm. The bottom drawing is a front view of the device, showing its depth. A vertical dimension line to its right indicates a depth of 173 mm. The D-Link logo is visible on the front panel of the device.</p>	
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mydlink™ Network Video Recorder with HDMI Output

Order Information	
<i>Part Number</i>	<i>Description</i>
DNR-312L	mydlink™ Network Video Recorder with HDMI Output

¹ Hard disk not included.

Updated 2016/08/18