

## Product Highlights

### Standalone Surveillance Solution

Record real-time video from up to nine cameras and view directly on an HDMI monitor or remotely on a PC or mobile device

### Easy Setup and Configuration

The network video recorder automatically finds D-Link network cameras and starts recording

### Flexible and Dependable

With up to 6TB of storage<sup>1</sup> you can choose to record continuously, define a precise schedule, or simply record in response to events such as motion detection



## DNR-312L

# mydlink Network Video Recorder with HDMI Output

## Features

### Trustworthy Surveillance

- Reliable network camera surveillance recorder for small business and residential users
- View real-time and recorded video of up to nine D-Link cameras from anywhere in your home or office, or remotely via the Internet
- H.264, MPEG-4 and MJPEG video formats

### 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, scheduled or motion detection 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 video<sup>1</sup>

### Flexible and Scalable

- Stand-alone device: Eliminates the need for a dedicated PC
- Supports D-Link network cameras (up to 3 Megapixel)
- Power fail recovery recording
- One Gigabit 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 storage<sup>1</sup> without requiring users to turn on their PC. Powered 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 while a user is viewing or searching footage. The DNR-312L's HDMI display output and playback ability make it a convenient and effective standalone video recorder.

## mydlink Technology on your Mobile Device

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. With the mobile app, view your DNR-312L from your iOS or Android 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 name, frame rate, bandwidth and recording status are shown on 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 increasing security. Administrators may also choose access privileges for users by specifying the cameras they may access. The recorded data can also be backed up to additional storage locations.

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## Extensive Recording Functionality

The DNR-312L's 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. With complete video management and the ability to playback and

record video simultaneously, the DNR-312L is an extremely convenient and effective video recorder. And the small size and portability of the DNR-312L make it easy to deploy in any location.

## Bundled NVR Software

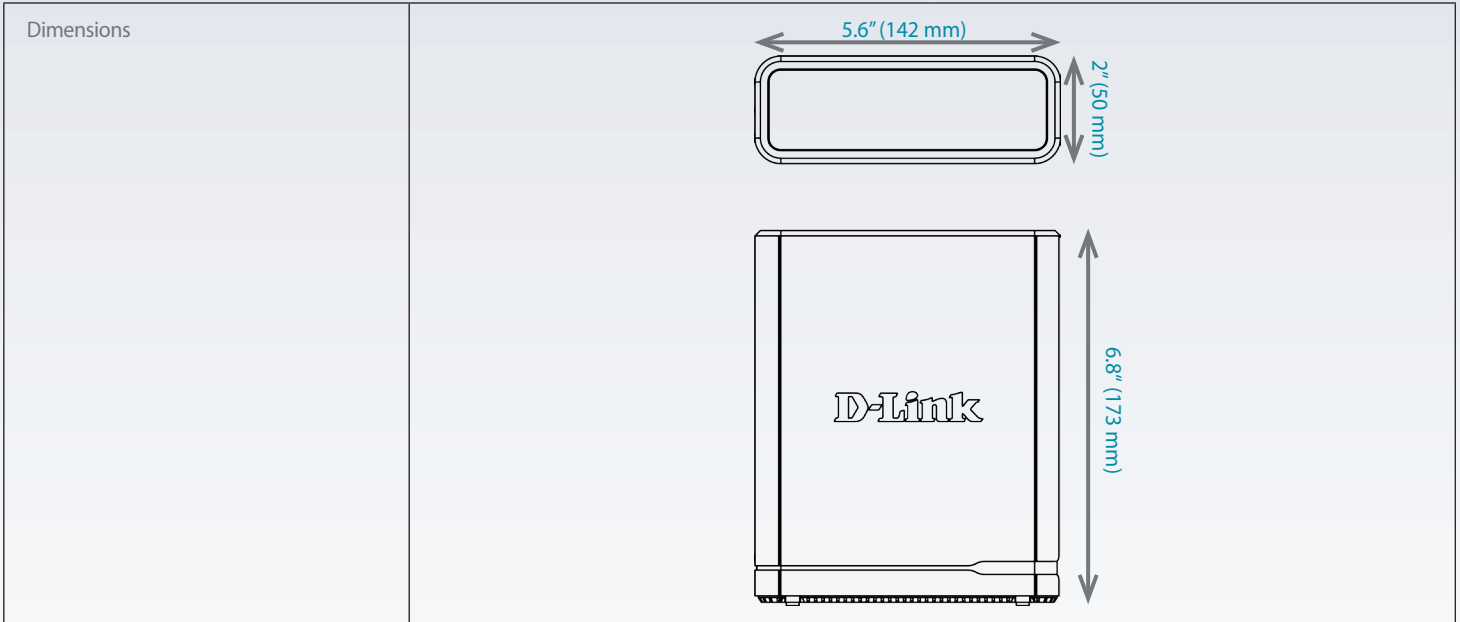
The NVR software bundled with the DNR-312L consists of three main components including a Playback Manager, a Backup System, and an NVR search tool. The Playback Manager includes a simple web GUI interface that allows users to play, search, or export video. The Backup System is a flexible backup utility that greatly simplifies the process of backing up video data from the NVR to external storage.

Technical Specifications		
General		
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3/u/z</li> <li>• Auto MDI/MDI-X</li> </ul>	<ul style="list-style-type: none"> <li>• SATA I, II, III</li> </ul>
HDD <sup>1</sup>	<ul style="list-style-type: none"> <li>• Reformat Disk</li> <li>• Up to 6TB HDD</li> </ul>	<ul style="list-style-type: none"> <li>• EXT3 file system</li> </ul>
Two Reset Modes	<ul style="list-style-type: none"> <li>• Reboot device</li> </ul>	<ul style="list-style-type: none"> <li>• Reset to factory defaults (hold for 10 seconds)</li> </ul>
Performance		
Flash ROM	<ul style="list-style-type: none"> <li>• 128 MB</li> </ul>	
RAM	<ul style="list-style-type: none"> <li>• 1024MB DDR III</li> </ul>	
Network Interface	<ul style="list-style-type: none"> <li>• Gigabit Ethernet LAN port (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>• HDMI</li> </ul>	<ul style="list-style-type: none"> <li>• 2 x USB 2.0 port (Mouse, UPS, Flash Drive, HDD with external power)</li> <li>• 3.5mm audio input x 1, output x 1</li> </ul>
Power Adapter	<ul style="list-style-type: none"> <li>• DC 12V/3A</li> </ul>	
Software Features		
OS	<ul style="list-style-type: none"> <li>• Linux</li> </ul>	
Supported Cameras	<ul style="list-style-type: none"> <li>• Supports D-Link network cameras with VGA to multi-megapixel resolution (Up to 3 Megapixel)</li> </ul>	
System Requirements for Web Interface	<ul style="list-style-type: none"> <li>• Browser: Internet Explorer, Firefox, Chrome, or Safari</li> </ul>	
Recording Performance	<ul style="list-style-type: none"> <li>• First video profile: <ul style="list-style-type: none"> <li>• H.264 at 720p at 270 fps</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Secondary video profile: <ul style="list-style-type: none"> <li>• H.264 at VGA at 135 fps</li> </ul> </li> </ul>
Camera Search	<ul style="list-style-type: none"> <li>• UPnP</li> </ul>	
Audio and Video Recording	<ul style="list-style-type: none"> <li>• Synchronized audio &amp; video recording</li> </ul>	
Compression Format	<ul style="list-style-type: none"> <li>• H.264, MPEG-4, MJPEG</li> </ul>	
Video Setting	<ul style="list-style-type: none"> <li>• Resolution, quality, frame rate, enable audio, go to camera interface</li> </ul>	

## mydlink Network Video Recorder with HDMI Output

Recording Type	<ul style="list-style-type: none"> <li>Record by schedule, manual, and event-based recording</li> </ul>	<ul style="list-style-type: none"> <li>Motion-triggered recording</li> </ul>
Remote Live View	<ul style="list-style-type: none"> <li>Supported via browser</li> </ul>	<ul style="list-style-type: none"> <li>Supports mydlink portal and mobile apps</li> </ul>
Remote Live View Control	<ul style="list-style-type: none"> <li>Live view, preset/go, patrol, focus, PTZ functions, snapshot, full screen, digital zoom</li> </ul>	<ul style="list-style-type: none"> <li>e-map</li> </ul>
Remote Playback Control	<ul style="list-style-type: none"> <li>Playback with normal, fast forward/rewind and step forward/rewind</li> </ul>	
Remote Playback	<ul style="list-style-type: none"> <li>Supported via browser and NVR client</li> <li>Playback system with timeline GUI, search by event, area, cameras, date, and time</li> </ul>	<ul style="list-style-type: none"> <li>Browser or NVR Remote Client support four channel simultaneous playback</li> <li>Digital zoom</li> </ul>
Overwrite Recording	<ul style="list-style-type: none"> <li>Auto recycling when disk storage is full</li> </ul>	
File Export	<ul style="list-style-type: none"> <li>Local : Export videos to AVI</li> <li>Remote: Export videos to AVI or ASF file</li> </ul>	<ul style="list-style-type: none"> <li>Export images to BMP or JPG file</li> </ul>
User Account	<ul style="list-style-type: none"> <li>Additional accounts can be created to allow users system access and specify authorization for camera channels, PTZ</li> </ul>	
DDNS	<ul style="list-style-type: none"> <li>D-Link DDNS and DynDNS server support</li> </ul>	
System Time	<ul style="list-style-type: none"> <li>Set the system time (D-Link NTP, input time, sync with computer, Daylight Saving Time)</li> </ul>	
Remote Backup	<ul style="list-style-type: none"> <li>Remote backup software can backup raw data to redundant storage</li> </ul>	
System Status	<ul style="list-style-type: none"> <li>Camera status</li> <li>Still picture EMAP support</li> </ul>	<ul style="list-style-type: none"> <li>System status</li> </ul>
Network Service Protocols	<ul style="list-style-type: none"> <li>IPV4, ARP, TCP, UDP, ICMP</li> <li>DHCP Client</li> <li>NTP Client</li> <li>DNS Client</li> <li>DDNS Client</li> <li>SMTP Client</li> <li>FTP Client</li> </ul>	<ul style="list-style-type: none"> <li>HTTP Server</li> <li>IP filtering</li> <li>UPnP</li> <li>HTTPS</li> <li>Bonjour</li> <li>SNMP</li> </ul>
User Interface	<ul style="list-style-type: none"> <li>HTTP Web browser</li> <li>mydlink portal</li> </ul>	<ul style="list-style-type: none"> <li>Smart phone / tablet</li> <li>NVR Search utility</li> </ul>
Package Contents	<ul style="list-style-type: none"> <li>mydlink Network Video Recorder with HDMI Output</li> <li>Power Adapter</li> <li>Ethernet Cable</li> <li>Quick Installation Guide</li> </ul>	<ul style="list-style-type: none"> <li>CD-ROM with: <ul style="list-style-type: none"> <li>Software</li> <li>Product Documentation</li> </ul> </li> </ul>
<b>Physical</b>		
Weight	<ul style="list-style-type: none"> <li>15 ounces (425 grams)</li> </ul>	
Maximum Power Consumption	<ul style="list-style-type: none"> <li>30 W</li> </ul>	
Temperature	<ul style="list-style-type: none"> <li>Operating: 32° to 104°F (0° to 40° C)</li> </ul>	<ul style="list-style-type: none"> <li>Storage: -4° to 158° F (-20° to 70° C)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>5% to 90% non-condensing</li> </ul>	
Certifications	<ul style="list-style-type: none"> <li>CE</li> <li>FCC</li> </ul>	<ul style="list-style-type: none"> <li>RoHS</li> <li>BSMI</li> </ul>

**mydlink Network Video Recorder with HDMI Output**



**Order Information**

Part Number	Description
DNR-312L	mydlink Network Video Recorder with HDMI Output

<sup>1</sup> Hard disk not included.  
Updated 11/2017 (Hardware Revision A3)  
DNR-312L\_REVA\_DATASHEET\_1.02\_EN\_US.PDF

**For more information**

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