

## Product Highlights

### Concurrent Viewing

Record video from up to 9 cameras in 1080p full HD resolution in the office and view real-time 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<sup>1</sup> 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

## Features

### All in One Surveillance Recording Solution

- Reliable network camera surveillance recorder for home and DIY users
- Integrated HDMI to display directly to your TV or monitor
- Simply plug in your USB keyboard and mouse to control and configure
- View real-time and recorded video of all nine cameras from anywhere in your home or office, or remotely via the Internet

### Easy to Set Up and Use

- Effortless network camera setup and management
- User-friendly interface provides 9 channels of simultaneous live view, recording, and playback and PTZ control
- Stand-alone device, eliminates the need for a dedicated computer
- Continuous or scheduled recording with automatic overwrite function

### Flexible and Scalable

- One-bay SATA 3.5" HDD interface, up to 6 TB of hard disk storage space of recorded video<sup>1</sup>
- Supports D-Link network cameras
- Power fail recovery recording
- One 10/100/1000 Mbps auto-MDIX Fast Ethernet LAN port
- M-JPEG, MPEG4 or H.264 video format
- Record up to 1080p full HD video resolution

The DNR-312L mydlink™ Network Video Recorder with HDMI is a dedicated standalone device that can simultaneously record videos from up to 9 D-Link network cameras in 1080p full HD resolution to its dedicated HDD storage<sup>1</sup>. With the integrated HDMI audio/video output, users can view, control and configure the DNR-312L without the need to turn on their PC. mydlink™-enabled, the DNR-312L supports real-time remote monitoring and playback via a web browser through the secure mydlink™ portal, the free mydlink™ View-NVR app for iOS or Android device or the NVR's web GUI. The DNR-312L has the ability to continue recording live while the 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

The DNR-312L is mydlink™-enabled, meaning you can easily set up and remotely monitor from anywhere via the Internet using the free mydlink™ View-NVR app for your smartphone or tablet, or through the secure mydlink™ web portal. Furthermore, you can remotely playback recorded videos as well as control PTZ cameras, allowing you to keep an eye on your home or office anytime and anywhere.

### Versatile Monitoring

Users are provided with a variety of options for viewing and organising 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 are allowed to 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.

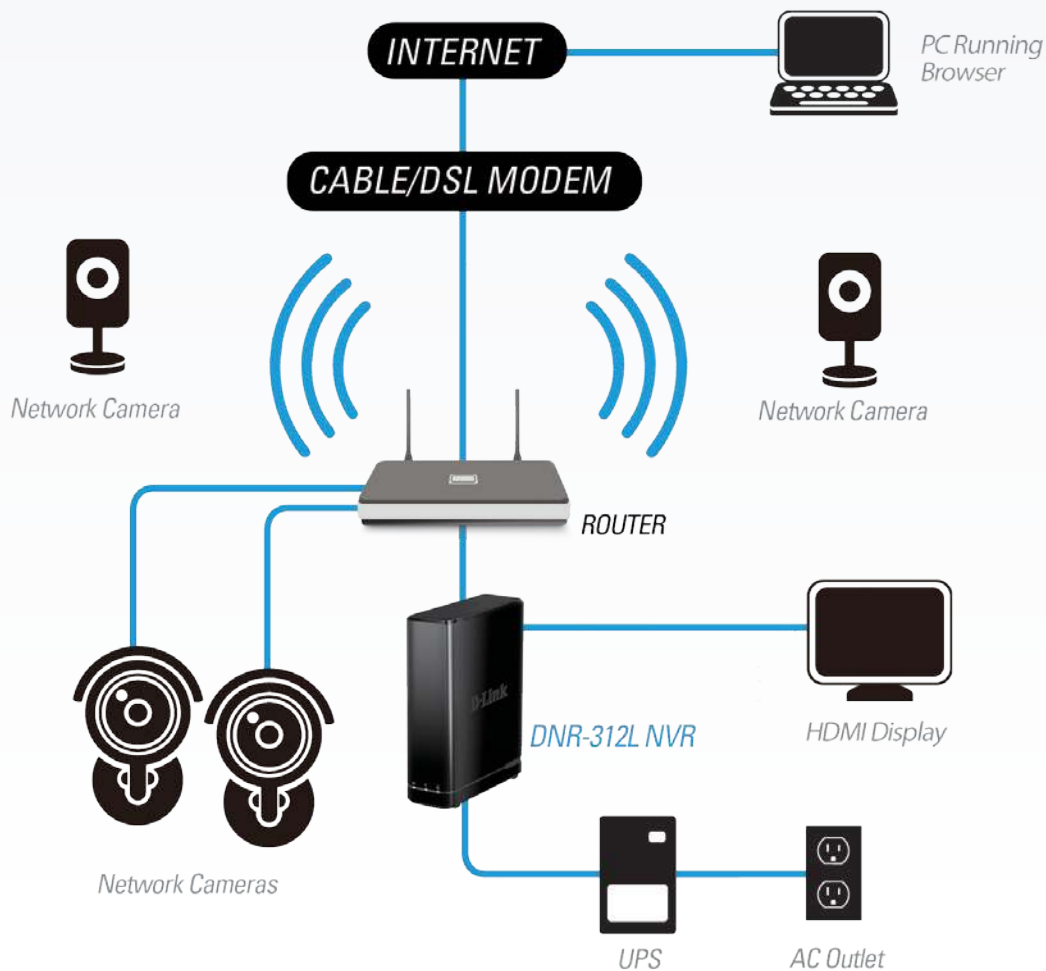
## Convenient and Reliable

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 means 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 integrated NVR software consists of five main components including a Playback Manager, a Backup System, and a 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"> <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 6 TB 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>• Reset firmware GUI button</li> </ul>                | <ul style="list-style-type: none"> <li>• HW reset button (hold for 10 seconds)</li> </ul> |
| Reset Button     | <ul style="list-style-type: none"> <li>• Reset to factory default</li> </ul>                 |   |

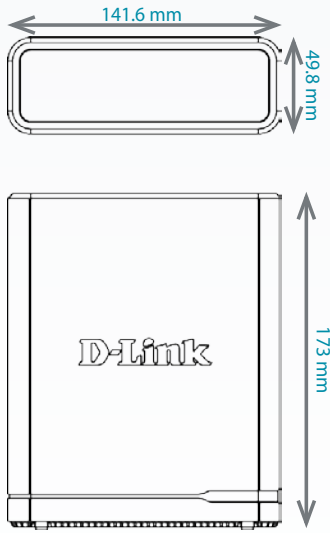
### Performance

|                   |  |   |
|-------------------|--|---|
| 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 Disk, 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 12 V/3 A</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 all D-Link network cameras and megapixel resolution</li> <li>• ONVIF Profile S</li> </ul>   |   |
| System Requirements for Web Interface | <ul style="list-style-type: none"> <li>• Operating System: Windows 8/7; Mac OS 10.7 or above</li> </ul>   | <ul style="list-style-type: none"> <li>• Browser: Internet Explorer 8, Safari 7 (Mac OS) or above</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 or 1080p at 135 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>• Synchronised audio &amp; video recording</li> </ul>  |   |
| Compression Format                    | <ul style="list-style-type: none"> <li>• H.264, MPEG-4, M-JPEG</li> </ul>   |   |
| Video Setting                         | <ul style="list-style-type: none"> <li>• Resolution, quality, frame rate, enable audio, go to camera interface</li> </ul>   |   |
| 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>• Support mydlink™ View-NVR mobile app for iOS and Android devices</li> <li>• Supports mydlink™ portal</li> </ul>                              | <ul style="list-style-type: none"> <li>• Supported via browser</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 authorisation for camera channels, PTZ</li> </ul>                |   |

# DNR-312L mydlink™ Network Video Recorder with HDMI

|                           |  |  |
|---------------------------|--|--|
| 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<br>• Still picture EMAP support  | • System status  |
| Network Service Protocols | • IPV4, ARP, TCP, UDP, ICMP<br>• DHCP Client<br>• NTP Client<br>• DNS Client<br>• DDNS Client<br>• SMTP Client   | • FTP Client<br>• HTTP Server<br>• IP filtering<br>• UPnP<br>• HTTPS |
| User Interface            | • HTTP Web browser<br>• mydlink™ portal  | • Smart phone<br>• NVR Search utility                                |
| Package Contents          | • mydlink™ Network Video Recorder with HDMI<br>• Power Adapter<br>• Ethernet Cable<br>• Quick Installation Guide   | • CD-ROM with:<br>• Software<br>• Product Documentation              |
| <b>Physical</b>           |  |  |
| Weight                    | • 0.425 kg (0.93 lbs)  |  |
| Maximum Power Consumption | • 30 W   |  |
| 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<br>• FCC  | • RoHS<br>• BSMI   |
| Dimensions                |  <p>The drawing shows two views of the device. The top view is a rounded rectangle with a width of 141.6 mm and a depth of 49.8 mm. The front view is a vertical rectangle with a height of 173 mm. The D-Link logo is visible on the front panel.</p> |  |

<sup>1</sup> Hard disk not included.



For more information: [www.dlink.com](http://www.dlink.com)

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