

## 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

### Dependable Data Security

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



## DNR-322L

# mydlink Network Video Recorder

## Features

### Trustworthy Surveillance

- Reliable network camera surveillance recorder for home and business
- View real-time and recording video of all nine 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, up to 8 TB of hard disk storage space of recorded video<sup>1</sup>
- Protects important surveillance files with automatic backups by using RAID 1 technology

### Flexible and Scalable

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

The DNR-322L mydlink Network Video Recorder 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. 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. The secondary HDD can also be formatted as a file server and mounted to your Windows system as a network drive.

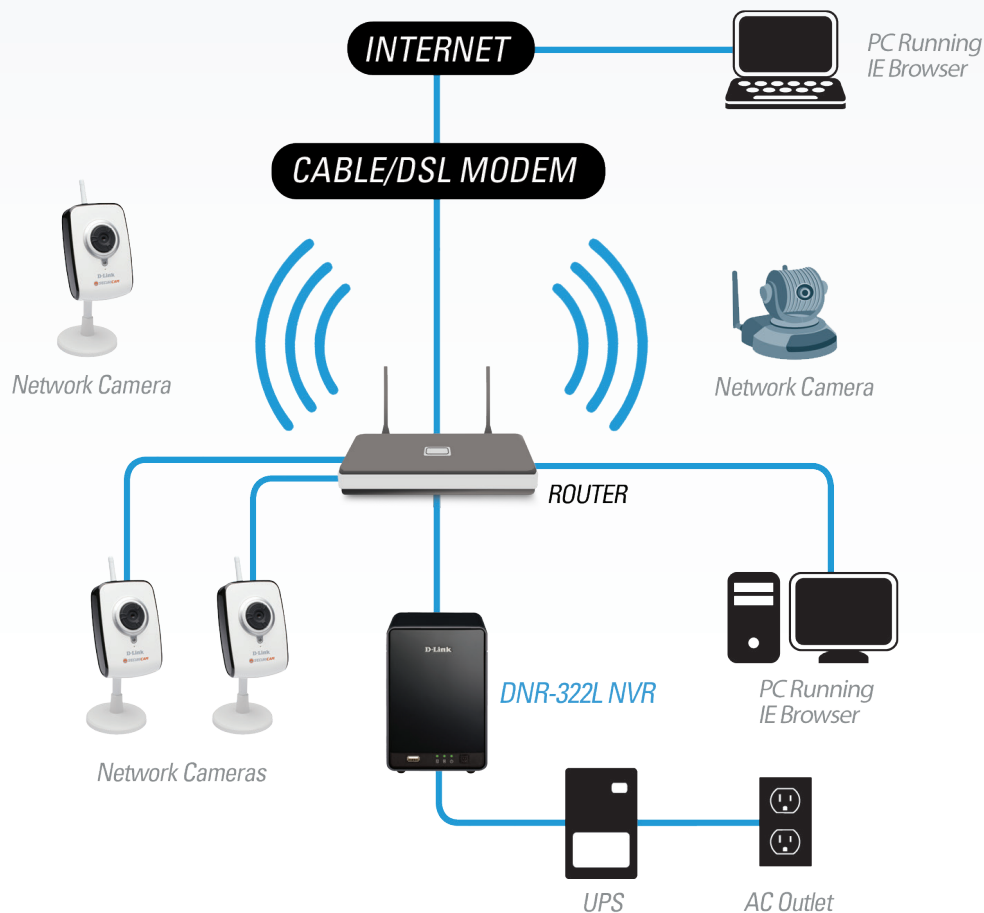
### Extensive Recording Functionality

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.

### D-ViewCam NVR Software

The D-ViewCam NVR software bundled with the DNR-322L consists of two main components: Playback Manager, and Backup and File Manager. The Playback Manager includes a clean and simple web GUI interface that allows users to play, search, or export video. The Backup and File Manager is a flexible backup utility that 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</li> </ul>                                        |
| HDD <sup>1</sup> | <ul style="list-style-type: none"> <li>• HDD control &amp; manage via PC</li> <li>• Reformat Disk</li> </ul> | <ul style="list-style-type: none"> <li>• RAID 0<sup>2</sup>, 1<sup>2</sup></li> <li>• JBOD</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 5 seconds)</li> </ul>              |
| Security         | <ul style="list-style-type: none"> <li>• Device lock hole</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>• 256 MB DDR II</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> </ul>             | <ul style="list-style-type: none"> <li>• USB port for UPS status update</li> </ul> |
| Power Adapter     | <ul style="list-style-type: none"> <li>• DC 12 V/3 A</li> </ul>                                  |                                                                                    |

### Physical

|                                         |                                                                                                        |                                                                                          |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Dimensions                              | <ul style="list-style-type: none"> <li>• 115 x 146.4 x 178.5 mm (4.52 x 5.76 x 7.03 inches)</li> </ul> |                                                                                          |
| Weight                                  | <ul style="list-style-type: none"> <li>• 0.875 kg (1.92 lbs)</li> </ul>                                |                                                                                          |
| Maximum Power Consumption               | <ul style="list-style-type: none"> <li>• 25.20 W</li> </ul>                                            |                                                                                          |
| Standby State Maximum Power Consumption | <ul style="list-style-type: none"> <li>• 0.23 W</li> </ul>                                             |                                                                                          |
| Temperature                             | <ul style="list-style-type: none"> <li>• Operating: 0 to 55 °C (32 to 131 °F)</li> </ul>               | <ul style="list-style-type: none"> <li>• Storage: -20 to 70 °C (-4 to 158 °F)</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> </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. Includes support for auto-discovery and megapixel resolution</li> </ul>                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                |
| Recording Performance     | <ul style="list-style-type: none"> <li>• Max. capacity (NVR mode only): <ul style="list-style-type: none"> <li>• H.264 1080P (bitrate): 90 Mbps</li> <li>• H.264 720P (bitrate): 90 Mbps</li> <li>• MJPEG 1080P (frame rate): 90 fps</li> <li>• MJPEG 720P (frame rate): 192 fps</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• Max. capacity (NVR+File Server mode): <ul style="list-style-type: none"> <li>• H.264 1080P (bitrate): 68 Mbps</li> <li>• H.264 720P (bitrate): 68 Mbps</li> <li>• MJPEG 1080P (frame rate): 70 fps</li> <li>• MJPEG 720P (frame rate): 150 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, M-JPEG (for supported cameras)</li> </ul>                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                |
| Video Setting             | <ul style="list-style-type: none"> <li>• Resolution, quality, frame rate, enable audio, go to camera interface</li> </ul>                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                |

# DNR-322L mydlink Network Video Recorder

|                           |                                                                                                                                                                                                                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recording Type            | <ul style="list-style-type: none"> <li>Record by schedule, manual, and event-based recording</li> <li>Motion-triggered recording</li> </ul>                                                                                                                                                                |
| Remote Live View          | <ul style="list-style-type: none"> <li>Supported via IE Explorer (Max. nine simultaneous channels)</li> <li>Supports mydlink portal (Max. one channel)</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> <li>,e-map, multiple view (1/4/6/9/16/25/36/48) with duplicated camera</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 IE and NVR client</li> <li>Playback system with timeline GUI, search by event, area, cameras, date, and time</li> <li>IE &amp; NVR client support single 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>Export videos to AVI or ASF file</li> <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 user access to the system and specify authorization for camera channels, PTZ, etc.</li> </ul>                                                                                                                           |
| DDNS                      | <ul style="list-style-type: none"> <li>D-Link DDNS 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 software can back up raw data to redundant storage</li> <li>Auto backup of previous day's video to FTP server</li> </ul>                                                                                                                                     |
| System Status             | <ul style="list-style-type: none"> <li>Camera status</li> <li>Still picture EMAP support</li> <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 (D-Link)</li> <li>DNS Client</li> <li>DDNS Client (D-Link)</li> <li>SMTP Client</li> <li>HTTP Server</li> <li>PPPoE</li> <li>UPnP</li> <li>IP filtering</li> </ul>                               |
| User Interface            | <ul style="list-style-type: none"> <li>mydlink web portal - Internet Explorer 7 or newer</li> <li>HTTP Web browser -Internet Explorer 7 or later (32 bit OS only)</li> <li>NVR Search utility</li> </ul>                                                                                                   |
| Package Contents          | <ul style="list-style-type: none"> <li>DNR-322L 2-Bay mydlink NVR</li> <li>Power Adapter</li> <li>Ethernet Cable</li> <li>Quick Installation Guide</li> <li>Power Cable Holder</li> <li>CD-ROM with: <ul style="list-style-type: none"> <li>Software</li> <li>Product Documentation</li> </ul> </li> </ul> |
| Order Information         |                                                                                                                                                                                                                                                                                                            |
| Part Number               | Description                                                                                                                                                                                                                                                                                                |
| DNR-322L                  | mydlink Network Video Recorder                                                                                                                                                                                                                                                                             |

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

<sup>2</sup> 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 dependant 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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