D-Link®

SIMPLIFIED SURVEILLANCE VIDEO MANAGEMENT

MYDLINK NETWORK VIDEO RECORDER

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

CONVENIENT AND RELIABLE VIDEO RECORDING
The DNR-322L mydlink Network Video Recorder is a standalone storage device that can record video from up to nine network cameras to a dedicated HDD storage without requiring users to turn on their PC. Empowered by mydlink technology, 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 ADJUSTMENT
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-322'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.

SURVEILLANCE

MYDLINK NETWORK VIDEO RECORDER
DNR-322L

WHAT THIS PRODUCT DOES

The D-Link DNR-322L is a standalone Network Video Recorder (NVR) which can record footage simultaneously from up to nine multi-channel network cameras and allow you to view this footage, thus allowing you to keep track of different locations easily. You can also view this footage online from a remote location using a web browser through mydlink. The DNR-322L is a convenient storage solution for network camera footage and eliminates the need for a dedicated PC.

D-VIEWCAM NVR SOFTWARE

The D-ViewCam NVR software bundled with the D-Link NVR consists of three main components: Playback Manager, 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.

TECHNICAL SPECIFICATIONS

FIRMWARE SPECIFICATIONS

OS
- Linux

SUPPORTED CAMERAS
- Supports all D-Link network cameras. Includes support for auto-discovery, and up to 3 megapixel resolution.

RECORDING PERFORMANCE
- Max. capacity (NVR mode only):
  - H.264 1080P (bitrate): 90 Mbps
  - H.264 720P (bitrate): 90 Mbps
  - MJPEG 1080P (frame rate): 90 fps
  - MJPEG 720P (frame rate): 192 fps
- Max. capacity (NVR+File Server mode):
  - H.264 1080P (bitrate): 68 Mbps
  - H.264 720P (bitrate): 68 Mbps
  - MJPEG 1080P (frame rate): 70 fps
  - MJPEG 720P (frame rate): 150 fps

CAMERA SEARCH
- UPnP

AUDIO & VIDEO RECORDING
- Synchronized audio & video recording

COMPRESSION FORMAT
- H.264, MPEG-4, M-JPEG (for supported cameras)

VIDEO SETTINGS
- Resolution, quality, frame rate, enable audio, go to camera interface

RECORDING TYPE
- Record by schedule, manual, and event-based recording
- Motion-triggered recording

REMOTE LIVE VIEW
- Supported via IE Explorer (Max. 9 simultaneous channels)
- Supports mydlink portal (Max. 1 simultaneous channel)

REMOTE LIVE VIEW CONTROL
- Live view, preset/go, patrol, focus, PTZ functions, snapshot, full screen, digital zoom, e-map, multiple view (1/4/6/9/16/25/36/48) with duplicated carrier

REMOTE PLAYBACK CONTROL
- Playback with normal, fast forward/rewind and step forward/rewind

REMOTE PLAYBACK
- Supported via IE and NVR client
- Playback system with timeline GUI, search by event, area, cameras, date and time
- Internet Explorer and NVR client support 1-channel playback
- Digital zoom

OVERWRITE RECORDING
- Auto recycling when disk storage is full

FILE EXPORT
- Export videos to AVI or ASF file
- Export images to BMP or JPG file

USER ACCOUNT
- Additional accounts can be created to allow user access to the system, and specify authorization for camera channels, PTZ, etc

SYSTEM TIME
- Set the system time (D-Link NTP, input time, sync with computer, Daylight Saving Time)

DDNS
- D-Link DDNS server support

REMOTE BACKUP
- Remote software can backup raw data to redundant storage
- Auto backup of previous day's video to FTP server

SYSTEM STATUS
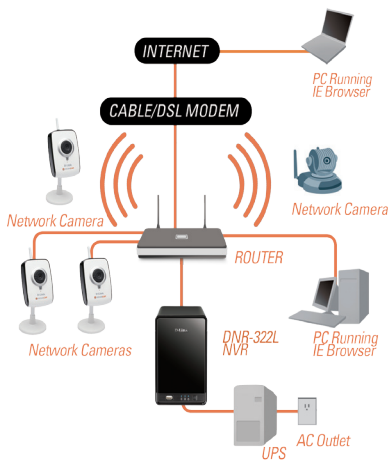- Camera status, System status
- Still picture EMAP support

NETWORK SERVICE PROTOCOLS
- IPV4, ARP, TCP, UDP, ICMP
- DHCP Client
- NTP Client (D-Link)
- DNS Client
- DDNS Client (D-Link)
- SMTP Client
- HTTP Server
- PPPoE
- UPnP
- IP filtering

USER INTERFACE
- mydlink web portal - Internet Explorer 7 or newer
- HTTP Web browser - Internet Explorer 7 or newer (32 bit OS only)
- NVR Search Utility

YOUR NETWORK SETUP

INTERNET

PC Running
IE Browser

CABLE/DSL MODEM

Network Camera

Network Camera

ROUTER

Network Cameras

DNR-322L
NVR

PC Running
IE Browser

UPS

AC Outlet

TECHNICAL SPECIFICATIONS

HARDWARE SPECIFICATIONS

STANDARDS
- *IEEE 802.3/u/z*
- *Auto MDI/MDI-X*
- *SATA I, II*

HARD DISK[1]
- *Hard Disk control & management via PC*
- *Reformat Disk*
- *RAID 0[2]*
- *RAID 1[2]*
- *JBOD*

TWO RESET MODES
- *Reset firmware GUI button*
- *HW reset button (hold for 5 seconds)*

FLASH ROM
- *128 MB*

RAM
- *256 MB DDR II*

NETWORK INTERFACE
- *Gigabit Ethernet LAN port (10/100/1000 Mbps)*

I/O PORTS
- *RJ45 port*
- *DC-in jack*
- *USB port for UPS status update (optional)*

POWER ADAPTER
- *DC 12V/4 A*

RESET BUTTON
- *Reset to factory default*

SECURITY
- *Device lock hole*

POWER CONSUMPTION
- *Max. power consumption: 25.20 W*
- *Standby state max. power consumption: 0.23 W*

DIMENSION (W x D x H)
- *115 x 146.4 x 178.5 mm*
  (4.53 x 5.76 x 7.03 inches)

WEIGHT
- *0.875 kg (1.93 lbs)*

OPERATING TEMPERATURE
- *0˚ to 55˚ C (32˚ to 131˚ F)*

STORAGE TEMPERATURE
- *-20 to 70 ˚C (-4 to 158 ˚F)*

HUMIDITY
- *Operating: 5% to 90% (non-condensing)*

CERTIFICATIONS
- *CE*
- *FCC*
- *RoHS*

PACKAGE CONTENTS
- *DNR-322L 2-Bay mydlink NVR*
- *Power Adapter*
- *Ethernet Cable*
- *Quick Installation Guide*
- *Power Cable Holder*
- *CD-ROM with:*
  - *Software*
  - *Product Documentation*

[1] Hard disks not included.
[2] 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.

RoHS

ACN 052 202 838
Z576

CE

FC