

## Product Highlights

### Comprehensive Management

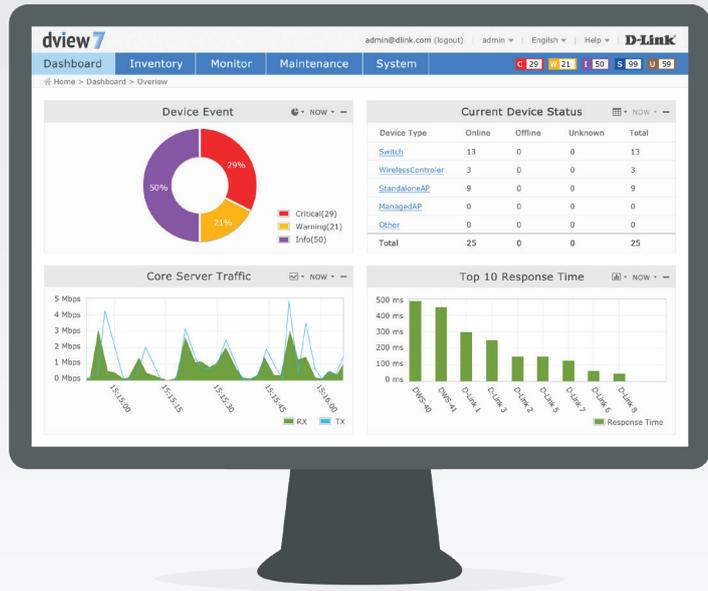
Manage your network effectively with useful tools and features such as Batch Configuration, SNMP, and Flexible Command Line Dispatch

### Hassle-Free Network Management

The detailed graphical dashboard provides a centralized and convenient way to manage and monitor your network

### Extensive Device Support

Supports a large number of devices including smart and managed switches, unified access points, and wireless controllers, as well as non-D-Link devices



## DV-700

# D-View 7 Network Management System

## Features

### Simplify Management Tasks

- Supports SNMP v1, v2c, and v3
- Device auto-discovery
- Scheduled and periodic task management
- Event notification and event escalation
- Supports SNMP trap and syslog collection
- Supports Batch Configuration and is capable of configuring multiple devices at a time

### Flexible Architecture

- Designed with a server and probe architecture
- Supports management of devices behind a firewall, NAT, or in remote sites without a VPN

### Visualization

- Easy to understand and configure dashboard
- Customizable chart system for displaying data
- Auto-generated network topology support
- Supports real-time device status on topology
- Supports real-time device rack and panel simulation

### Third Party Device Support

- Supports smart and managed switches, unified switches, unified access points, wireless controllers, wireless access points, etc
- Identifies third party devices based on SOID and manages them using CLI scripts

The D-View 7 Network Management System is a comprehensive standards-based management tool designed to centrally manage critical network characteristics such as availability, reliability, resilience, and security in a consistent way. Flexible and versatile, D-View 7 uses cutting-edge web technology to provide a comprehensive software toolbox that can be accessed without the need to install software onto the client.

## Flexible Architecture

D-View 7 is organized into a server-probe architecture, which simplifies data collection across complex networks. Monitoring and configuring multiple devices at remote locations, across the Internet, or behind a NAT is no longer an issue with the D-View 7. Remotely deployed probes will automatically tunnel home, allowing for the management of devices that cannot be directly accessed using standard SNMP. When a device is selected for management, D-View 7 probes will relay the command to the devices and then report its data back to the server.

## Simplify Network Management

D-View 7 supports various predefined configuration templates which can help administrators manage multiple devices easily. For complex configurations, D-View 7 also has the ability to deploy CLI scripts across multiple devices simultaneously. This allows D-View 7 to support a wide range of configuration features and virtually any device as long as it supports CLI settings.

With a highly customizable scheduling system, D-View 7 allows administrators to assign tasks to be issued during off-peak hours or any other planned maintenance time frame. This ensures that routine maintenance tasks and configurations will be automatically managed and monitored by the event notification system. D-View 7 also supports periodic tasks which can be run daily, weekly, monthly, etc.

## Manage Third-party Devices

Network administrators can customize the SOID and related information of virtually any third party device so they can be identified by and managed through D-View 7. This allows administrators to check the health status of those devices, issue CLI commands, and do standard management and monitoring. Combined with the new D-View 7 graphical dashboard, network administrators can get near real-time feedback on the status of their network.

## Enhanced Trap and Syslog Analysis

D-View 7 also functions as a trap and syslog server which can collect all of the trap or syslog data from multiple devices across a network. This gives network administrators a centralized place to collect important data, which can then be searched easily from within D-View 7. The advanced search system lets network administrators set keyword combinations, and generate alarms based on events that are reported in the trap or syslog feature.

## High Availability (HA) and Reliability

D-View 7 includes a High Availability (HA) deployment type, which can be used to reduce the load on one server, while increasing the reliability of the system by being able to survive failures. Both D-View 7 and MongoDB can be installed in a HA deployment type, providing fault tolerance and allowing individual nodes to be taken offline without impacting the network.

D-View 7 High Availability works by creating a secondary instance of the D-View 7 Core Server, which shares the workload using the Windows Server's in-built Network Load Balancing (NLB) tool while also acting as a failover for increased reliability in case the primary D-View 7 Core Server fails.

Meanwhile, users can create one or more read-only replicas of the primary MongoDB server. Should the primary MongoDB server fail, the secondary server will take over as the primary server, ensuring minimal network downtime and increase network reliability and availability<sup>1</sup>.

## Technical Specifications

### General

Architecture	<ul style="list-style-type: none"> <li>• Supports standard server client web architecture</li> <li>• Supports multi-tenant architecture</li> </ul>	<ul style="list-style-type: none"> <li>• Supports probe design to collect data from remote sites without VPN or behind NAT</li> </ul>
User Management	<ul style="list-style-type: none"> <li>• Supports read-write and read-only privileges by modules</li> </ul>	
Internationalization	<ul style="list-style-type: none"> <li>• Supported languages: <ul style="list-style-type: none"> <li>• English</li> <li>• Simplified Chinese</li> <li>• Traditional Chinese</li> </ul> </li> </ul>	
High Availability (HA)	<ul style="list-style-type: none"> <li>• DV7 Core server supports clustering architecture</li> </ul>	<ul style="list-style-type: none"> <li>• MongoDB Replica mode supports HA architecture</li> </ul>

### Discovery

Device Discovery	<ul style="list-style-type: none"> <li>• Supports SNMP v1, v2c, v3 scanning</li> <li>• Supports IPv4 address range scanning</li> </ul>	<ul style="list-style-type: none"> <li>• Supports smart scan by neighborhood</li> <li>• Supports cross-LAN discovery using probes</li> </ul>
Link Discovery	<ul style="list-style-type: none"> <li>• Supports LLDP, FDB-based link discovery</li> </ul>	
Auto-Discovery	<ul style="list-style-type: none"> <li>• Supports periodical discovery with specific time interval</li> </ul>	

### Inventory

Inventory Management	<ul style="list-style-type: none"> <li>• Supports inventory and devices export</li> </ul>	<ul style="list-style-type: none"> <li>• Supports device grouping by labels (a single device can belong to multiple labels)</li> </ul>
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### Monitoring

Dashboard	<ul style="list-style-type: none"> <li>• Supports overall system and product summary for wired or wireless devices</li> </ul>	<ul style="list-style-type: none"> <li>• Supports customized dashboard</li> </ul>
Sensor	<ul style="list-style-type: none"> <li>• Data collection methods: <ul style="list-style-type: none"> <li>• SNMP</li> <li>• Ping</li> </ul> </li> </ul>	

Topology View	<ul style="list-style-type: none"> <li>• Supports auto-topology generation</li> <li>• Supports customized topology generation</li> <li>• Supports devices status display</li> <li>• Supports link status display</li> <li>• Supports different structure of topology (tree type, start type)</li> </ul>	<ul style="list-style-type: none"> <li>• Supports multi-layer topology for following views</li> <li>• Supports customized background image overlay for following views</li> </ul>
Panel View	<ul style="list-style-type: none"> <li>• Supports panel and LED status of switches</li> </ul>	<ul style="list-style-type: none"> <li>• Supports panel view with stacking switches</li> </ul>
Status Polling	<ul style="list-style-type: none"> <li>• Status polling methods: <ul style="list-style-type: none"> <li>• SNMP</li> <li>• Ping</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Supports customized polling time for each device or by group</li> </ul>
Events & Notifications	<ul style="list-style-type: none"> <li>• Supports customized criteria or thresholds to trigger events based on rules <ul style="list-style-type: none"> <li>• Value match</li> <li>• Keyword match</li> <li>• Keyword combination match</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Supports customized escalation rules</li> <li>• Supports e-mail notification to defined users</li> </ul>
Trap Editor	<ul style="list-style-type: none"> <li>• Allow user to configure meaningful and readable descriptions for each trap and associated binding variables</li> </ul>	
<b>Configuration</b>		
Device Configuration	<ul style="list-style-type: none"> <li>• Supports predefined templates to quickly configure single or multiple devices</li> </ul>	<ul style="list-style-type: none"> <li>• Supports script dispatch with variables (such as IP, system name, etc.) defined by each device</li> </ul>
Firmware Upgrade	<ul style="list-style-type: none"> <li>• Supports firmware upgrades for single or multiple devices</li> </ul>	
Configuration Backup & Restoration	<ul style="list-style-type: none"> <li>• Supports one-time scheduled config backup for single or multiple devices</li> <li>• Supports periodically scheduled config backup for single or multiple devices</li> </ul>	<ul style="list-style-type: none"> <li>• Supports config restore from a server file or user-uploaded file for single or multiple devices</li> </ul>
Task Management	<ul style="list-style-type: none"> <li>• Supports one-time scheduled tasks</li> </ul>	<ul style="list-style-type: none"> <li>• Supports periodically scheduled tasks</li> </ul>
<b>Minimum System Requirements (Server System) - Supports 64-bit, English OS versions only</b>		
CPU	<ul style="list-style-type: none"> <li>• Dual core 3.0 GHz or above</li> </ul>	
DRAM	<ul style="list-style-type: none"> <li>• 8 GB or more</li> </ul>	
Hard Drive Space	<ul style="list-style-type: none"> <li>• 120 GB or more (depending on the number of managed device) <ul style="list-style-type: none"> <li>• Core Server must be installed on the system drive (C-drive)</li> <li>• MongoDB is recommended to be installed on a different drive (e.g. D, E, ...)</li> <li>• In cluster mode, MongoDB is recommended to be installed on a separate server.</li> </ul> </li> </ul>	
OS	<ul style="list-style-type: none"> <li>• Windows 7 Professional Edition or above (64-bit)</li> <li>• Windows 8 Professional Edition or above (64-bit)</li> <li>• Windows 8.1 Professional Edition or above (64-bit)</li> <li>• Windows 10 Professional Edition or above (64-bit)</li> </ul>	<ul style="list-style-type: none"> <li>• Windows Server 2012 Standard Edition or above (64-bit)</li> <li>• Windows Server 2008 R2 Standard Edition or above (64-bit)</li> </ul>
<b>Minimum System Requirements (Probe System) - Supports 32 or 64-bit, English OS versions only</b>		
CPU	<ul style="list-style-type: none"> <li>• Single core 2.0 GHz or above</li> </ul>	
RAM	<ul style="list-style-type: none"> <li>• 2 GB or more</li> </ul>	
OS	<ul style="list-style-type: none"> <li>• Windows 7 (32 or 64-bit)</li> <li>• Windows 8 (32 or 64-bit)</li> <li>• Windows 8.1 (32 or 64-bit)</li> <li>• Windows 10 (32 or 64-bit)</li> </ul>	<ul style="list-style-type: none"> <li>• Windows XP (32 or 64-bit)</li> <li>• Windows Server 2008 (32 or 64-bit)</li> <li>• Windows Server 2008 R2 (64-bit)</li> <li>• Windows Server 2012 (64-bit)</li> </ul>
<b>Minimum System Requirements (Client System)</b>		
Browser	<ul style="list-style-type: none"> <li>• Chrome, Firefox, and IE 10 or above</li> </ul>	

# DV-700 D-View 7 Network Management System

Order Information	
<i>Part Number</i>	<i>Description</i>
DV-700-N25-LIC	D-View 7 - 25 Node License
DV-700-N50-LIC	D-View 7 - 50 Node License
DV-700-N100-LIC	D-View 7 - 100 Node License
DV-700-N250-LIC	D-View 7 - 250 Node License
DV-700-N500-LIC	D-View 7 - 500 Node License
DV-700-N1000-LIC	D-View 7 - 1000 Node License
DV-700-P5-LIC	D-View 7 - 5 Probe License
DV-700-P10-LIC	D-View 7 - 10 Probe License
DV-700-P25-LIC	D-View 7 - 25 Probe License
DV-700-P50-LIC	D-View 7 - 50 Probe License
DV-700-P100-LIC	D-View 7 - 100 Probe License

Updated 07/24/17

<sup>1</sup> Visit <https://www.mongodb.com/> for more detailed information on MongoDB High Availability features.