



VideolPath

Network Resource Inventory

Centralized inventory, backup, restore and upgrade of network resources

VideolPath provides inventory, backup, restore and software upgrade capabilities for efficient management of network resources. The system keeps an inventory of all detected networks resources, enabling users to browse or search for particular resources. The system supports auto-detection of available nodes and endpoints within the managed infrastructure.

VideolPath facilitates scheduling of backup and restoration of configuration data. In case of catastrophic failure, VideolPath supports restoration of configuration data when network resources are replaced by spare parts.

VideolPath also centralizes and simplifies upgrades, making it possible to plan, schedule and upgrade multiple network elements at one time, for coordinated rollout of new firmware releases in the network. Operators can monitor the software upgrade process from a central console without any manual intervention at the network element level.

Applications

- Keep track of network inventory and perform pre-planned upgrade of device firmware
- More efficient use of network resources and keep consistent software versions and configuration of the network

Key features

- Complete inventory of all network resources auto-detected by the system
- Track network resource changes based on serial number
- Overview of all network resources including operational status through a dashboard
- Plan and schedule upgrades of multiple network resources simultaneously
- Backup and restore configuration of multiple network resources simultaneously
- Automatic configuration restore to recover quickly from hardware failures



Inventory

The Inventory application presents all chassis auto-detected by the system and the cards within the chassis. This includes Ventura, VikinX, Flashlink, Video Gateway and nSure equipment and any third-party devices integrated into the system.

The inventory is fully searchable by the user based on any field present in the inventory including ID, card type, serial number, version and slot number.

All cards detected by the system are tracked based on serial number. The user may retrieve the history of a card which includes any chassis relocation or firmware upgrades performed on the card.

The inventory function also supports upgrade, backup and restore of supported devices. This includes scheduling of these operations with a dedicated user interface for viewing current and previous operations.

The backup and restore functionality may also be used to copy configuration data from one network resource to other multiple resources.

Label	Type	IP Address	SW Ver	Driver	Current Action
V5902 DEC Test	FCS101 AEAMS	10.69.26.135	V4.10	com.nevision.ventura	
V5901 test	FCS183 AEAMS	10.69.27.60	V4.4	com.nevision.ventura	
V5906 SA # Chassis	V5906SA		V1.2		
V5901 VOP_PEG-2000 Decoder	V5901VOPDecoder		V8.2		
V5901 VOP_PEG-2000 Decoder	V5901VOPDecoder		V8.2		
V5901 VOP_PEG-2000 Decoder	V5901VOPDecoder		V8.2		
V5901 VOP_PEG-2000 Decoder	V5901VOPDecoder		V8.1		
V5901 VOP_PEG-2000 Decoder	V5901VOPDecoder		V4.4		
FCS183 AEAMS					
Ventura System	Not Present	10.69.22.142		com.nevision.ventura	
Ventura System	FCS183 AEAMS	10.69.26.212	V4.14	com.nevision.ventura	
TVG550-1	CM4101	10.69.26.128	2.0.0.1 / 1.0.0.0 / 2.7	com.nevision.ateme_cm4101	
TVG550	DR6450	10.69.26.129	1.3.0.4 / 1.0.0.0	com.nevision.ateme_dr6450	
TVG450-74 DEC	TVG450	10.69.26.74	2.6.26	com.nevision.tvg450	
TVG450-71	TVG450	10.69.26.71	2.6.26	com.nevision.tvg450	
TVG450_2	TVG450	10.69.26.77	3.6.28	com.nevision.tvg450	
TVG450_1	TVG450	10.69.26.76	3.6.28	com.nevision.tvg450	



Dashboard

The Dashboard application allows you to see physical chassis auto-detected by the system and the current operational status of all cards within the chassis.

The display is customizable and allows you to reorder chassis or hide certain chassis from the display. User friendly names may also be assigned to the chassis and it allows filtering of certain chassis types during operation.

This application also allows you to browse directly to the element manager interface for the chassis. These requests may be proxied through the VideolPath system to provide a central access point for management of the network resources.

The system tracks historical alarms and the Dashboard allows you to view the operational status during a designated time period for historical analysis purposes.

Type	Name	IP Address	Status	Action
MULTICON	JGS_...	10.69.2.68	Minor	Select action
MULTICON	JGS_...	10.69.2.71	Critical	Select action
MULTICON	SW_R_...	10.69.2.240	No Contact	Select action
SUBLIME	SUBL...	10.69.7.21	Critical	

VideolPath

Nevision's VideolPath system offers a Web based user interface that does not require any client side installation. A document oriented database sits at the heart of the system and stores all relevant data for the inventory function. The system is built on a distributed processing model and may be deployed either as a single server or as a redundant cluster of servers.

The VideolPath inventory management system is provided on a single hardware server or as a virtual server running in a VMWare environment, but may also be deployed in conjunction with the VideolPath connection manager on a redundant cluster of servers.

The inventory function performs auto-detection of supported equipment in the network based on IP address ranges configured into the system. New equipment added to the network will automatically be added to the inventory.

The system provides a REST interface to allow external systems to retrieve inventory data stored within the system. This interface also allows external systems to schedule upgrades, backup and restore operations.

Specifications

Number of concurrent clients per server	50
Number of network resources per server	1000
Supported equipment	Flashlink nSure Ventura Video Gateways VikinX
Third-party support	Optional
Hardware server	Intel Xeon based, 1 rack-unit, disk mirroring (RAID), redundant power, dual GbE interfaces
Virtual server	VideolPath may be installed on VMWare infrastructure (vRAM, vCPU and disk allocation depends on application)

Ordering options

VP-HW-SERVER	VideolPath hardware standard server. Intel Xeon E5 32 GB RAM 500GB SSD drive. Dual 1 GbE network and power.
VIP-SW-BASE	VideolPath base platform license. License fee per server. Includes 5 user licenses. Includes alarm and inventory management functions. Requires node licenses.
VIP-SW-NODE-A/B/C	VideolPath level A/B/C node license. License fee per node added to the system. See guidelines for classification of node types.
VIP-SW-USER-5	VideolPath user license. License fee per 5 simultaneous user sessions. Note 5 license included with base platform.
VIP-SW-DRIVER-A/B/C	VideolPath level A/B/C driver for third-party devices. License fee per device type. Contact Nevision pre-sales for classification of third-party devices.
VIP-SW-MAINT-SUPPORT	VideolPath maintenance and support agreement. Provides access to all major and minor software updates. Basic support services provided during office hours. 15% of all installed SW licenses.



Management systems

Nevion offers a range of management systems for broadcasters, telcos, cable, DTT and satellite operators providing an end-to-end service oriented perspective on the operation of the infrastructure.

Nevion offers a complete service and network management system, including element managers for media networks. Our management platform is a fully integrated system providing an innovative new approach for management of media networks based on recent cloud computing technologies, delivering managed services and customer access, consolidating data across the entire network, providing a service perspective on operations, and service delivery capabilities to efficiently provision occasional use or permanent services.

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