

LATITUDE NETWORK VIDEO MANAGEMENT SYSTEM

PRODUCT DESCRIPTION:

The Latitude Network Video Management System (NVMS) is a fully-digital, IP-based video surveillance system that brings together in one system a CCTV matrix switch, a multiplexer, and a DVR with unlimited storage capacity. As a software based enterprise-level video, audio, and data management system, the Latitude NVMS offers in a single graphical user interface (GUI) monitoring, recording, and analysis functionality that delivers the timely, accurate information required for effectively responding to any challenge.



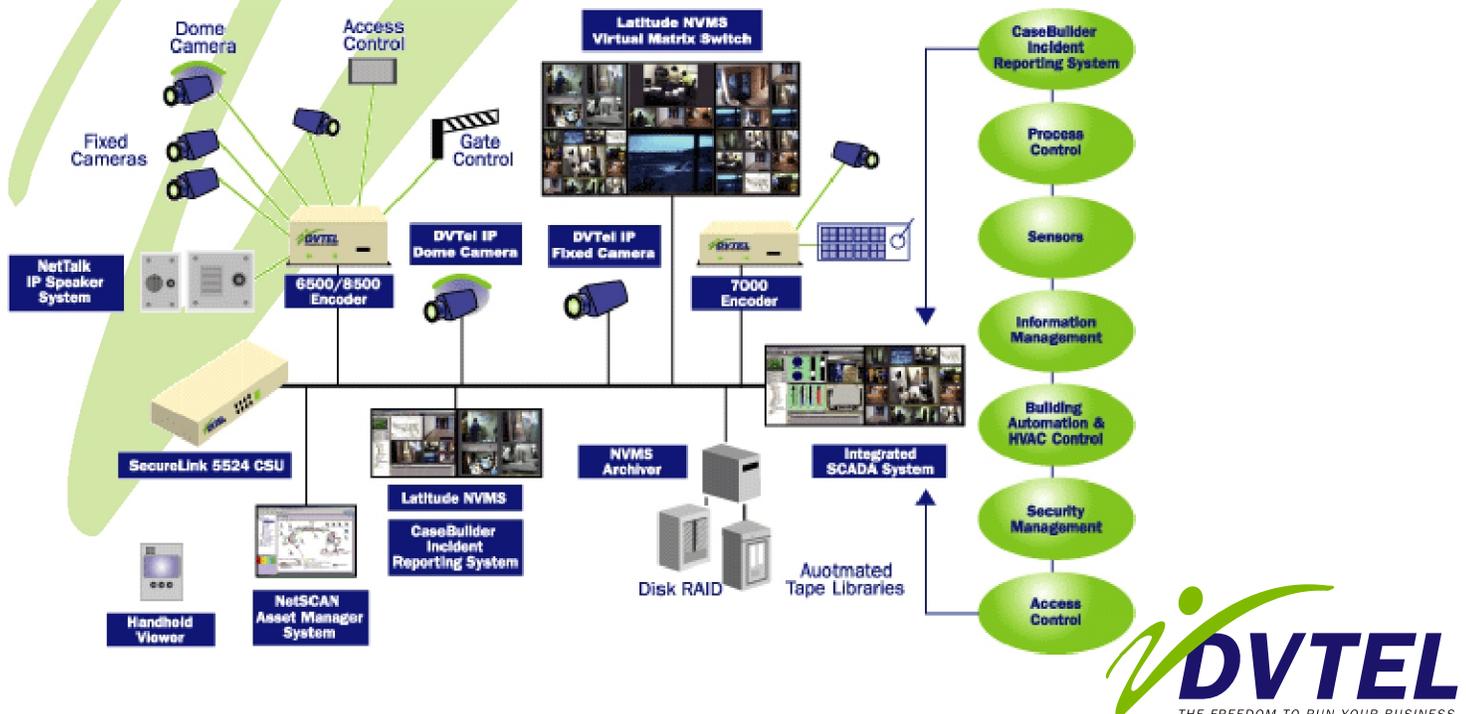
Although digital to its core, the Latitude can be either digital or analog at the edge. View live and recorded images on a PC monitor or an analog CCTV monitor. Control camera selection and PTZ camera control from a PC keyboard and mouse or from a traditional CCTV keyboard. Feed the system with IP networked cameras or traditional analog cameras. No matter the data source, analog or digital, the Latitude NVMS engine is 100% digital.

The Latitude NVMS collects data from a vast array of sources network management systems, access control systems, building management systems, point of sale systems, perimeter alarms, and any other open architecture based system and creates actionable information based on correlating and analyzing alarm and event inputs.

The Latitude NVMS is a best in class network video system that provides seamless digital information management along with audio and serial data transmission and management across the network. It is designed to effectively integrate with existing access control and CCTV equipment including analog matrices, keyboards and cameras to leverage and protect investments in legacy infrastructure and equipment. The system interfaces with IP cameras, video servers, and domes, and supports multiple video compression standards including MPEG4, MPEG2 and MJPEG.

The NVMS system combined with the following equipment supports network multicasting: SecureLink series of encoders, which collect video from any standard NTSC/PAL camera; multi-vendor IP cameras; and the SecureLink 9000 series of IP cameras. Multicasting functionality enables a single stream to be transmitted to multiple viewers on the network simultaneously reducing bandwidth demands and allowing more cameras to be transmitted over the network.

The Latitude Network Video Management System is based on Microsoft Windows and can be installed on a computer running on Windows™ 2000/XP Professional or a 2000/2003 server. The NVMS runs as a service on the server and has limited dependence on the Microsoft OS for performance and high availability. The system's distributed architecture enables simultaneous live monitoring from multiple stations and storage both on and off premises. The software can be scaled to store and view from one to thousands of camera and monitor connections across an unlimited number of servers.



- End-to-end digital solution leverages existing cameras, intercom systems, and uses economical off-the-shelf storage devices, networking and computer equipment eliminating the need to run new coaxial cables
- Multiple video compression standards available on one system including MPEG4, MPEG2 and MJPEG
- Software-based architecture is easily scalable from one camera to seventy, with unlimited hardware storage capacity for one day up to years of recording
- Supports centralized viewing and monitoring of multiple sites without geographic constraints
- System works with highly reliable IP fixed and dome cameras as well as video servers
- IP-based decoder converts video back to a standard analog signal for use with traditional CCTV equipment
- Supports off-the-shelf storage solutions including internal and external attached storage (SCSI, Fiber) as well as Network Attached Storage (NAS) and Storage Area Network (SAN)
- Audio and security data is stored along with the video stream
- Live viewing of up to 32 cameras on a single computer with a dual monitor setup
- High level of integration with existing legacy CCTV matrix switchers and matrix keyboards
- Full system operation using a standard legacy CCTV keyboard including PTZ control, alarm management and control over any computer in the system.
- Powerful investigation and video archive search tools enable searches based on time, date, degree of motion, alarms and user bookmarks
- Post recording motion detection and "advanced search"
- Powerful management tools allow full bandwidth usage control including hard limits for each individual module
- Secure user access using multi-level access rights
- Sophisticated continuous, scheduled or event-based recording capability
- Watermarking provides digital authentication and tamper-proof security of recorded video
- Integrated movement detection that can be configured in multiple zones

Latitude NVMS Elite

The Elite system is the workhorse of the DVTel Latitude family of products and serves the needs of the mid-range to enterprise-wide installations.

The Latitude NVMS Elite supports from one to thousands of cameras with a maximum of 70 cameras per Digital Media Archiver Server. As a digital/IP based video matrix switcher, all 70 cameras provide real time monitoring at 30fps NTSC/ 25PAL while allowing for recording at a lower frame rate, if required.

The Latitude NVMS Elite base system includes license for two users which activates the ControlCenter, MediaCenter or WebCenter applications. The Elite system comes with these standard features:

- Virtual Matrix for camera switching and control
- Virtual Matrix for Camera Sequences
- Dual Monitors support for enhanced operations
- Interactive Maps for graphical representation and operations
- Interactive Procedures to assist with alarm and event management
- Instant Replay
- WEB Center for Internet base users to view video over standard Internet Explorer

Latitude NVMS Classic

The Latitude NVMS Classic system serves the needs of the small to mid-range installation. The system supports a total of 70 cameras and monitor connections either in one location or in multiple locations. With the Latitude's digital, IP-based video matrix switcher, each camera in the system can be individually configured to provide monitoring at one frame rate while recording at a different frame rate. Monitoring and recording can be performed from 1-30 frames per second NTSC, or 1-25 frames per second PAL.

The Classic system at the basic level includes one user license and the following standard features:

- Virtual Matrix for camera switching, control and camera sequences
- Dual Monitors support 32 tiles of video
- Instant replay
- WEB Center for Internet based users to view video over standard web browser

Latitude NVMS Viewer

The Latitude NVMS Viewer provides unlimited camera viewing with a maximum of 100 cameras per Digital Media Archiver Server.

The NVRS Viewer base system includes one user license to activate the ControlCenter, MediaCenter or web client application. The View Only system includes these features as standard:

- Virtual Matrix for camera switching and control
- Virtual Matrix for Camera Sequences
- Maps and Procedures
- WEB Center for Internet based users to view video over standard Internet Explorer

Please see the Latitude NVMS Client and Server Minimum Requirements Document before purchasing server and client PC or storage solutions.



LATITUDE NVMS ELITE

KEY SYSTEM FEATURES

Monitoring Capabilities

- The Latitude ControlCenter software supports dual monitor setup for enhanced operation
- Access available through a standard Microsoft Internet Explorer web browser
- Camera control using graphical maps for camera layouts and alarms
- Users can replace their CCTV keyboards with their familiar PC keyboard to control PTZ cameras and assign cameras to tiles
- Alarm procedures for enhanced user operations
- Guard tour
 - Start and stop single-view or split-view sequences
- PTZ control
 - Control pan, tilt and zoom and select presets and pattern
 - When viewing PTZ camera output, PTZ controls can be locked to prevent other users from taking control.
 - Current users of PTZ controls can be identified and users with higher priority levels are able to unlock the PTZ.
 - Open and setup PTZ option through the Latitude virtual matrix (camera OSD)
- Instant Replay
- Monitor live cameras in single and split views on or off premises (multiple views supported)
- Define presets and patterns for automated domes and integrated positioning systems
- Image enlargement in real time or archived (digital zoom)
- View real-time alarms and review alarm history
- PDA support, live monitoring and alarm management over a PocketPC PDA.
- Individual tiles have layers to place video streams. One tile can contain a base video stream (which is part of a saved layout), a spot video feed and an alarm video feed. By acknowledging an alarm, the user will then see the spot and removing the spot will reveal the original layout video stream.
- Camera layouts can be defined in a directory and applied to all Monitor/Archive Player applications connected to that directory.
- Advanced alarm management allows alarms and procedures to be assigned to specific users or groups. The system supports alarm queues and alarm history. Each monitor has an icon indicating the number of alarms in the queue requiring acknowledgement.
- Monitor panel available to quickly execute the most used macros.

Video Archive Search Features

- Playback on date, time, camera, event and motion
- Search for events, alerts, bookmarks and motion
- View real-time motion graphs of selected video sequence
- Playback and fast forward at several different speeds: 0.25X, 0.50X, 1X, 2X, 4X, 20X, 100X
- Export the selected video sequences to disk, CD, DVD and/or network drive
- Exported images can be printed or saved as either a JPEG or a bitmap
- When a search is performed in the archive player, the Query Results Pane displays the drive on which the file is located.
- Archive Player queries are saved upon exit and restored the next time a user logs into the Archive Player
- Upon an event, the system can playback a segment of video on an analog monitor.
- When performing a search based on motion, the Archive Player marks on the video timeline where each search hit occurred and provides a snapshot of the first frame from each search result.
- The Archive Player can search and query past alarms.

Redundancy

- Failover Directory - if the main directory's service fails, a redundant hot stand by directory can automatically take control over the system
- Failover Media Archiver A Failover Media Archiver takes over archiving duties in the event the primary Media Archiver fails. The Failover Archiver starts recording only at the failure point to reduce hard drive disk costs.
- Redundant Media Archiver (Mirror) The redundant Media Archiver operates as a mirror Archiver to the primary Media Archiver. If the primary Media Archiver should fail, the redundant Archiver will continue to record the video. The redundant Archiver maintains a redundant copy of the primary Archiver database.
- A Remote Redundant Archiver provides an option to record the Live video stream on or off site compared with the Primary, Failover and Redundant Media Archiver that records the recording stream.

LATITUDE NVMS ELITE KEY SYSTEM FEATURES & TECHNICAL SPECIFICATIONS

Configuration Features

- Automatic discovery of all IP cameras, encoders and decoders
- Remote upgrades for firmware and software (individual or batch mode) available for all IP cameras, encoders and decoders
- Network configuration of all video servers and IP cameras including IP addresses and network parameters
- Video storage configuration including camera name assignment, bandwidth limits, recording frame rate and quality, event based or continuous storage
- Sequence and split view assignment for automated sequence monitoring
- Pre/Post alarm storage and motion detection configuration
- Assignment and management of user access rights and passwords
- View system storage capacity status and storage settings per camera
- Advanced Motion Detection means each camera has up to 6 motion masks with varying levels of priority. Different motion events are triggered for each zone independently.
- Events, motion masks and user logons can be configured with a schedule. For example, certain events can trigger different responses depending on the time of day,.
- User access and privileges are defined by user group as well as by individual user.
- Users can define or change their own passwords they are no longer dependent on an Administrator.
- Brightness, Contrast and Hue are not unit specific, different cameras on the same unit (i.e. a T2) can have the different settings.
- When a new unit is added to a system, it is by default assigned the present device name.

System Features

- Multiple time zones are supported for each: cameras, server and client application.
- Available system activity reports include: user activities, failures and events/actions.
- Users can easily connect to other directories, allowing full access to multiple directories.
- In the event of a failure of the primary Archiver, a second Archiver can be standing by to take over the archiving duties. The redundant Archiver maintains a redundant copy of the primary Archiver database.
- Automated process to uninstall and reinstall the system during upgrades. Users and integrators no longer have to uninstall previous versions of the SecureLink NVRS platform to perform an update.

<p>VIDEO RECORDING CAMERAS: 1 TO 70 PER SERVER SERVERS: UNLIMITED COMPRESSION: MPEG4, MPEG2, MJPEG RESOLUTION: CIF, 2CIF, 4CIF, D1 FRAME RATE: 30 NTSC/25 PAL PER CAMERA</p> <p>AUDIO RECORDING AUDIO INPUT: UP TO 70 PER SERVER COMPRESSION: PCM/MULAW</p> <p>VIDEO/AUDIO OUTPUT - VIDEO PLAYBACK TO NTSC/PAL MONITORS - AUDIO PLAYBACK TO SPEAKERS - DIGITAL PLAYBACK OF AUDIO/VIDEO OVER TCP/IP</p> <p>ENCRYPTION AND SECURITY PLEASE READ THE MINIMUM REQUIREMENTS DOCUMENT FOR LATITUDE SERVERS WITH ENCRYPTION</p> <p>NETWORK INTERFACES 10/100/1000 BASE-T ETHERNET</p> <p>WIRELESS PLEASE REVIEW THE APPROVED WIRELESS EQUIPMENT FOR LATITUDE CONNECTIVITY</p> <p>PLAYBACK CAPABILITIES - PLAYBACK AND FAST FORWARD AT SELECT SPEEDS - VIEW REAL-TIME MOTION GRAPHS OF VIDEO - SYNC PLAYBACK - BOOKMARKING</p>	<p>STORAGE INTERNAL, EXTERNAL, ATTACHED, NETWORK BASED (IDE, SCSI, FIBER, NAS, SAN)</p> <p>SYSTEM CONFIGURATION - AUTOMATIC DISCOVERY OF IP CAMERAS AND VIDEO SERVER PRODUCTS AND DEVICES - REMOTE PRODUCT SOFTWARE/FIRMWARE UPDATE - REMOTE CONFIGURATION OF IP ADDRESSES AND NETWORK PARAMETERS</p> <p>EVENT DRIVEN - VIEW LIVE ALARMS AND REVIEW ALARM HISTORY - FULLY CONFIGURABLE EVENT BASED RECORDING VIA VIDEO MOTION DETECTION, SDK AND DRY CONTACTS</p> <p>QUERY CAPABILITIES - SEARCH VIDEO BASED ON CAMERA, EVENTS, ALARMS, MOTION AND BOOKMARKS - QUERY ACROSS MULTIPLE ARCHIVERS</p> <p>MONITORING CAPABILITIES - 32 CAMERAS ON DUAL MONITOR - VIEW ON WINDOWS PC THROUGH A WEB BROWSER - GRAPHIC MAPS OF CAMERA LAYOUT - GUARD TOUR - SALVOS - PTZ CONTROL - INSTANT REPLAY</p> <p>FULL STK (API) FOR COMPLETE SYSTEM MANAGEMENT, OPERATION AND INTEGRATION</p>	<p>INTERNAL, EXTERNAL, ATTACHED, NETWORK BASED (IDE, SCSI, FIBER, NAS, SAN)</p> <p>SYSTEM CONFIGURATION - AUTOMATIC DISCOVERY OF IP CAMERAS AND VIDEO SERVER PRODUCTS AND DEVICES - REMOTE PRODUCT SOFTWARE/FIRMWARE UPDATE - REMOTE CONFIGURATION OF IP ADDRESSES AND NETWORK PARAMETERS</p> <p>EVENT DRIVEN - VIEW LIVE ALARMS AND REVIEW ALARM HISTORY - FULLY CONFIGURABLE EVENT BASED RECORDING VIA VIDEO MOTION DETECTION, SDK AND DRY CONTACTS</p> <p>QUERY CAPABILITIES - SEARCH VIDEO BASED ON CAMERA, EVENTS, ALARMS, MOTION AND BOOKMARKS - QUERY ACROSS MULTIPLE ARCHIVERS</p> <p>MONITORING CAPABILITIES - 32 CAMERAS ON DUAL MONITOR - VIEW ON WINDOWS PC THROUGH A WEB BROWSER - GRAPHIC MAPS OF CAMERA LAYOUT - GUARD TOUR - SALVOS - PTZ CONTROL - INSTANT REPLAY</p> <p>FULL STK (API) FOR COMPLETE SYSTEM MANAGEMENT, OPERATION AND INTEGRATION</p>
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LATITUDE NVMS CLASSIC

KEY SYSTEMS FEATURES

Monitoring Capabilities

- The Latitude ControlCenter software supports dual monitor setup for enhanced operation
- Access available through a standard Microsoft Internet Explorer web browser
- Camera control using graphical maps for camera layouts and alarms
- Users can replace their CCTV keyboards with their familiar PC keyboard to control PTZ cameras and assign cameras to tiles
- Alarm procedures for enhanced user operations
- Guard tour
 - Start and stop single-view or split-view sequences
- PTZ control
 - Control pan, tilt and zoom and select presets and pattern
 - When viewing PTZ camera output, PTZ controls can be locked to prevent other users from taking control.
 - Current users of PTZ controls can be identified and users with higher priority levels are able to unlock the PTZ.
- Instant Replay
- Monitor live cameras in single and split views on or off premises (multiple views supported)
- Define presets and patterns for automated domes and integrated positioning systems
- Image enlargement in real time or archived (digital zoom)
- View real-time alarms and review alarm history
- Individual tiles have layers to place video streams. One tile can contain a base video stream (which is part of a saved layout), a spot video feed and an alarm video feed. By acknowledging an alarm, the user will then see the spot and removing the spot will reveal the original layout video stream.
- Camera layouts can be defined in a directory and applied to all Monitor/Archive Player applications connected to that directory.
- Advanced alarm management allows alarms and procedures to be assigned to specific users or groups. The system supports alarm queues and alarm history. Each monitor has an icon indicating the number of alarms in the queue requiring acknowledgement.
- Monitor panel available to quickly execute the most used macros.

Video Archive Search Features

- Playback on date, time, camera, event and motion
- Search for events, alerts, bookmarks and motion
- View real-time motion graphs of selected video sequence
- Playback and fast forward at several different speeds: 0.25X, 0.50X, 1X, 2X, 4X, 20X, 100X
- Export the selected video sequences to disk, CD, DVD and/or network drive
- Exported images can be printed or saved as either a JPEG or a bitmap
- When a search is performed in the archive player, the Query Results Pane displays the drive on which the file is located.
- Archive Player queries are saved upon exit and restored the next time a user logs into the Archive Player
- Upon an event, the system can playback a segment of video on an analog monitor.
- When performing a search based on motion, the Archive Player marks on the video timeline where each search hit occurred and provides a snapshot of the first frame from each search result.
- The Archive Player can search and query past alarms.

Redundancy

- Failover Directory - if the main directory's service fails, a redundant hot stand by directory can automatically take control over the system
- Failover Media Archiver A Failover Media Archiver takes over archiving duties in the event the primary Media Archiver fails. The Failover Archiver starts recording only at the failure point to reduce hard drive disk costs.
- Redundant Media Archiver (Mirror) The redundant Media Archiver operates as a mirror Archiver to the primary Media Archiver. If the primary Media Archiver should fail, the redundant Archiver will continue to record the video. The redundant Archiver maintains a redundant copy of the primary Archiver database.
- A Remote Redundant Archiver provides an option to record the Live video stream on or off site compared with the Primary, Failover and Redundant Media Archiver that records the recording stream.

LATITUDE NVMS CLASSIC KEY SYSTEM FEATURES & TECHNICAL SPECIFICATIONS

Configuration Features

- Automatic discovery of all IP cameras, encoders and decoders
- Remote upgrades for firmware and software (individual or batch mode) available for all IP cameras, encoders and decoders
- Network configuration of all video servers and IP cameras including IP addresses and network parameters
- Video storage configuration including camera name assignment, bandwidth limits, recording frame rate and quality, event based or continuous storage
- Sequence and split view assignment for automated sequence monitoring
- Assignment and management of user access rights and passwords
- View system storage capacity status and storage settings per camera
- Advanced Motion Detection means each camera has up to 6 motion masks with varying levels of priority. Different motion events are triggered for each zone independently.
- Events, motion masks and user logons can be configured with a schedule. For example, certain events can trigger different responses depending on the time of day,.
- User access and privileges are defined by user group as well as by individual user.
- Users can define or change their own passwords they are no longer dependent on an Administrator.
- Brightness, Contrast and Hue are not unit specific, different cameras on the same unit (i.e. a T2) can have the different settings.
- When a new unit is added to a system, it is by default assigned the present device name.

System Features

- Multiple time zones are supported for each: cameras, server and client application.
- Available system activity reports include: user activities, failures and events/actions.
- Users can easily connect to other directories, allowing full access to multiple directories.
- In the event of a failure of the primary Archiver, a second Archiver can be standing by to take over the archiving duties. The redundant Archiver maintains a redundant copy of the primary Archiver database.
- Automated process to uninstall and reinstall the system during upgrades. Users and integrators no longer have to uninstall previous versions of the SecureLink NVRS platform to perform an update.

<p>VIDEO RECORDING</p> <p>CAMERAS: 1 TO 70 PER SYSTEM SERVERS: 70 SERVERS PER SYSTEM; 1-70 CAMERAS PER SERVER FOR A TOTAL UP TO 70 CAMERAS PER SYSTEM</p> <p>COMPRESSION: MPEG4, MPEG2, MJPEG RESOLUTION: CIF, 2CIF, 4CIF, D1 FRAME RATE: 30 NTSC/25 PAL PER CAMERA</p> <p>AUDIO RECORDING</p> <p>AUDIO INPUT: UP TO 70 PER SERVER COMPRESSION: PCM/MULAW</p> <p>VIDEO/AUDIO OUTPUT</p> <ul style="list-style-type: none"> - VIDEO PLAYBACK TO NTSC/PAL MONITORS - AUDIO PLAYBACK TO SPEAKERS - DIGITAL PLAYBACK OF AUDIO/VIDEO OVER TCP/IP <p>ENCRYPTION AND SECURITY PLEASE READ THE MINIMUM REQUIREMENTS DOCUMENT FOR LATITUDE SERVERS WITH ENCRYPTION</p> <p>NETWORK INTERFACES</p> <p>10/100/1000 BASE-T ETHERNET</p> <p>PLAYBACK CAPABILITIES</p> <ul style="list-style-type: none"> - PLAYBACK AND FAST FORWARD AT SELECT SPEEDS - VIEW REAL-TIME MOTION GRAPHS OF VIDEO - SYNC PLAYBACK - BOOKMARKING 	<p>STORAGE</p> <p>INTERNAL, EXTERNAL, ATTACHED, NETWORK BASED (IDE, SCSI, FIBER, NAS, SAN)</p> <p>SYSTEM CONFIGURATION</p> <ul style="list-style-type: none"> - AUTOMATIC DISCOVERY OF IP CAMERAS AND VIDEO SERVER PRODUCTS AND DEVICES - REMOTE PRODUCT SOFTWARE/FIRMWARE UPDATE - REMOTE CONFIGURATION OF IP ADDRESSES AND NETWORK PARAMETERS <p>EVENT DRIVEN</p> <ul style="list-style-type: none"> - VIEW LIVE ALARMS AND REVIEW ALARM HISTORY - FULLY CONFIGURABLE EVENT BASED RECORDING VIA VIDEO MOTION DETECTION, SDK AND DRY CONTACTS <p>QUERY CAPABILITIES</p> <ul style="list-style-type: none"> - SEARCH VIDEO BASED ON CAMERA, EVENTS, ALARMS, MOTION AND BOOKMARKS - QUERY ACROSS MULTIPLE ARCHIVERS <p>MONITORING CAPABILITIES</p> <ul style="list-style-type: none"> - 32 CAMERAS ON DUAL MONITOR - VIEW ON WINDOWS PC THROUGH A WEB BROWSER - GRAPHIC MAPS OF CAMERA LAYOUT - GUARD TOUR - SALVOS - PTZ CONTROL - INSTANT REPLAY 	<p>STORAGE</p> <p>INTERNAL, EXTERNAL, ATTACHED, NETWORK BASED (IDE, SCSI, FIBER, NAS, SAN)</p> <p>SYSTEM CONFIGURATION</p> <ul style="list-style-type: none"> - AUTOMATIC DISCOVERY OF IP CAMERAS AND VIDEO SERVER PRODUCTS AND DEVICES - REMOTE PRODUCT SOFTWARE/FIRMWARE UPDATE - REMOTE CONFIGURATION OF IP ADDRESSES AND NETWORK PARAMETERS <p>EVENT DRIVEN</p> <ul style="list-style-type: none"> - VIEW LIVE ALARMS AND REVIEW ALARM HISTORY - FULLY CONFIGURABLE EVENT BASED RECORDING VIA VIDEO MOTION DETECTION, SDK AND DRY CONTACTS <p>QUERY CAPABILITIES</p> <ul style="list-style-type: none"> - SEARCH VIDEO BASED ON CAMERA, EVENTS, ALARMS, MOTION AND BOOKMARKS - QUERY ACROSS MULTIPLE ARCHIVERS <p>MONITORING CAPABILITIES</p> <ul style="list-style-type: none"> - 32 CAMERAS ON DUAL MONITOR - VIEW ON WINDOWS PC THROUGH A WEB BROWSER - GRAPHIC MAPS OF CAMERA LAYOUT - GUARD TOUR - SALVOS - PTZ CONTROL - INSTANT REPLAY
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LATITUDE NVMS VIEWER

KEY SYSTEMS FEATURES

Monitoring Capabilities

- The Latitude ControlCenter software supports dual monitor setup for enhanced operation
- Access available through a standard Microsoft Internet Explorer web browser
- Camera control using graphical maps for camera layouts and alarms
- Users can replace their CCTV keyboards with their familiar PC keyboard to control PTZ cameras and assign cameras to tiles
- Alarm procedures for enhanced user operations
- Guard tour
 - Start and stop single-view or split-view sequences
- PTZ control
 - Control pan, tilt and zoom and select presets and pattern
 - When viewing PTZ camera output, PTZ controls can be locked to prevent other users from taking control.
 - Current users of PTZ controls can be identified and users with higher priority levels are able to unlock the PTZ.
- Monitor live cameras in single and split views on or off premises (multiple views supported)
- Define presets and patterns for automated domes and integrated positioning systems
- Image enlargement in real time or archived (digital zoom)
- View real-time alarms and review alarm history
- PDA support, live monitoring and alarm management over a PocketPC PDA.
- Individual tiles have layers to place video streams. One tile can contain a base video stream (which is part of a saved layout), a spot video feed and an alarm video feed. By acknowledging an alarm, the user will then see the spot and removing the spot will reveal the original layout video stream.
- Camera layouts can be defined in a directory and applied to all Monitor/Archive Player applications connected to that directory.
- Advanced alarm management allows alarms and procedures to be assigned to specific users or groups. The system supports alarm queues and alarm history. Each monitor has an icon indicating the number of alarms in the queue requiring acknowledgement.
- Monitor panel available to quickly execute the most used macros.

Redundancy

- Failover Directory - if the main directory's service fails, a redundant hot stand by directory can automatically take control over the system
- Failover DMC - if the Digital Media Controller server fails, a redundant, hot standby DMC automatically takes control over the cameras "connected" to the failed server.

Configuration Features

- Automatic discovery of all IP cameras, encoders and decoders
- Remote upgrades for firmware and software (individual or batch mode) available for all IP cameras, encoders and decoders
- Network configuration of all video servers and IP cameras including IP addresses and network parameters
- Sequence and split view assignment for automated sequence monitoring
- Pre/Post alarm storage and motion detection configuration
- Assignment and management of user access rights and passwords
- Advanced Motion Detection means each camera has up to 6 motion masks with varying levels of priority. Different motion events are triggered for each zone independently.
- Events, motion masks and user logons can be configured with a schedule. For example, certain events can trigger different responses depending on the time of day,.
- User access and privileges are defined by user group as well as by individual user.
- Users can define or change their own passwords they are no longer dependent on an Administrator.
- Brightness, Contrast and Hue are not unit specific, different cameras on the same unit (i.e. a T2) can have the different settings.
- When a new unit is added to a system, it is by default assigned the present device name.

System Features

- Multiple time zones are supported for each: cameras, server and client application.
- Available system activity reports include: user activities, failures and events/actions.
- Users can easily connect to other directories, allowing full access to multiple directories.
- Automated process to uninstall and reinstall the system during upgrades. Users and integrators no longer have to uninstall previous versions of the SecureLink NVRS platform to perform an update.

LATITUDE NVMS VIEWER KEY SYSTEM FEATURES & TECHNICAL SPECIFICATIONS

<p><u>VIDEO RECORDING</u> CAMERAS: 1 TO 100 PER SERVER SERVERS: UNLIMITED COMPRESSION: MPEG4, MPEG2, MJPEG RESOLUTIONS: CIF, 2CIF, 4CIF, D1 FRAME RATE: 30 NTSC/25 PAL PER CAMERA</p> <p><u>AUDIO RECORDING</u> AUDIO INPUT: UP TO 100 PER SERVER COMPRESSION: PCM</p> <p><u>VIDEO/AUDIO OUTPUT</u></p> <ul style="list-style-type: none"> - VIDEO PLAYBACK TO NTSC/PAL MONITORS - AUDIO PLAYBACK TO SPEAKERS - DIGITAL PLAYBACK OF AUDIO/VIDEO OVER TCP/IP <p><u>NETWORK INTERFACES</u> 10/100/1000 BASE-T ETHERNET</p> <p><u>WIRELESS</u> PLEASE REVIEW THE APPROVED WIRELESS EQUIPMENT FOR LATITUDE CONNECTIVITY</p>	<p><u>SYSTEM CONFIGURATION</u></p> <p><u>EVENT DRIVEN</u></p> <p><u>MONITORING CAPABILITIES</u></p> <p><u>FULL STK (API) FOR COMPLETE SYSTEM MANAGEMENT, OPERATION AND INTEGRATION</u></p>	<ul style="list-style-type: none"> - AUTOMATIC DISCOVERY OF IP CAMERAS AND VIDEO SERVER PRODUCTS AND DEVICES - REMOTE PRODUCT SOFTWARE/FIRMWARE UPDATE - REMOTE CONFIGURATION OF IP ADDRESSES AND NETWORK PARAMETERS - VIEW LIVE ALARMS AND REVIEW ALARM HISTORY - 32 CAMERAS ON DUAL MONITOR - VIEW ON WINDOWS PC THROUGH A WEB BROWSER - GRAPHIC MAPS OF CAMERA LAYOUT - GUARD TOUR - SALVOS - PTZ CONTROL
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