



Stratus Video & Sensor Management System

Version 3.9 Features

Core Media Recording & Streaming

- Support for most leading IP cameras & encoders (Axis, Bosch, Pelco, ONVIF, and countless others. New devices are quickly added)
- Support for all common streaming compression formats (Motion-JPEG, MPEG-4, and H.264/H.264+)
- Adjustable video quality (frame-rate, resolution, compression) and bandwidth
- Industry standard RTSP streaming (playable with standard QuickTime and VLC)
- Support for audio recording and streaming
- Support for almost any sensor input

Reporting & Data Distribution

- Camera health monitoring with detailed graphs to facilitate problem identification and resolution
- Expanded reporting on storage utilization to extract trends on usage and facilitate prediction of future storage consumption
- Activity audit log
- Searchable application log for system warning/failures monitoring
- Automated warning/failures email generation for administrator
- Automated media acquisition devices and storage health monitoring and error recovery
- Graphed reporting for CPU and RAM storage

Intelligent Media Management

- Alerts management based on policies and priorities
- Flexible storage management:
 - Supports most commodity storage solutions compatible with Linux (regular disks, RAID, iSCSI, etc.)
 - Multiple storage group volumes
 - Virtually unlimited combined storage volume
 - Customizable retention policies
- Storage retention based on a combination of event media retentions and regular (non-event) media retention for added flexibility
- Automated event-based media content export for integration purposes
- Server-side video analytics
- Works for any type of camera supported
- Flexible zones
- Visual sensitivity calibration utility
- External event detectors support (camera motion detectors and sensors)

Security

- DHS Compliant (FISMA)
- DoD Compliant (SEIWG, NATO, MISB, JITC, DIACAP)
- Authenticated access
- Multi-layered credential management
- Fine-grained permission management
- PKI Authentication
- FIPS140-2 Encryption



Client

- Browser-based thin client
- Supports all common browsers (IE, Chrome, Firefox, Safari, etc)
- Intuitive GUI based on drag and drop approach
- Multiple selectable roles configured through credentials management system allows operators to switch between separate environments or areas of attention
- "Device tree" allows devices to be arranged by credential roles/sets
- Filter criteria for events/alerts are combined into multiple layers on the device tree
- Audio sources pre-associated with video for intuitive synchronous audio/video access
- Synchronous access to multiple video/audio feed for multi-angled archive review
- Multi-layered interactive map with configurable alert visualization and zoom
- Timeline visual component to allow fast pinpointing of the desired content (archived media and/or events)
- Alert log with multiple filtering criteria to review archived media footage
- Visualization of live events on map
- Searchable archive tool using time-based and motion-based criteria
- Automated touring of multiple live camera feeds in one screen cell
- Ability to save and recall user configuration (Imports complex filters and environments with tens/hundreds of cameras)
- One-point administration for entire security information search domain
- Device and system configuration management

Hardware/Software Platform

- COTS Intel x86 architecture servers hardware
- CentOS 7 or Red Hat Linux Operating System

Scalability

- Virtually unlimited number of cameras/audio/sensors by adding additional media processing servers
- Virtually unlimited storage
- Media streaming load distributed among processing nodes

Device Control

- Hardware joystick connected to client PC
- Virtual joystick
- Click-in-the-screen camera centering
- Mobile devices, both iOS and Android

Performance

- COTS PC / Brand Agnostic
- Dual Xeon 3 Ghz 32GB RAM with 4 Disk SATA RAID supports 100 cameras, 4Mb/sec H.264 encoding.
- 3 cameras per CPU core for video analytics

videoNEXT' Stratus manages mission-critical cameras and sensors for demanding users across the globe. As the trusted choice of government agencies and enterprises, our software has earned a reputation as the mission critical security solution, eliminating downtime. With full policy-level administration, industry-leading video analytics, and the ability to manage nearly any camera or sensor, our open-architecture, standards-based software integrates your existing security infrastructure into a powerful, intuitive operating picture.