A powerful solution for medium to large deployments including more than 140 features and functions

The Siveillance Video Advanced is designed for centrally managed multi-server deployments including large multi-site and multiple server installations requiring 24/7 surveillance, with support of multiple devices. The solution offers centralized management of all devices, servers and users, and empowers an extremely flexible rule engine driven by schedules and events:

Main features: Siveillance Video Advanced
- Hardware Accelerated Video Motion Detection (VMD)
- Supports H.265
- Centralized Management
- Flexible Rule Engine
- Edge Storage
- Hardware accelerated video decoding using NVIDIA GPU
- Multicast Support
- Redundancy Option for High Availability
- Hot- & cold-failover recording server
- Kerberos Authentication
- Two-step verification
- Smart Map – offline support
- Online Activation
- DLNA ready

siemens.com/siveillance-vms
Siveillance Video Advanced Overview

Product Facts
- Deployment type: Centrally managed, Multi-server
- Number of cameras per system: Unlimited
- Number of recording servers: Unlimited
- Number of users: Unlimited
- Video export format: AVI, MKV
- Supported manufacturers: 134 Plus
- Supported IP devices: 7400 Plus
- Generic hardware discovery: UPnP
- Audio: Full Duplex, Half Duplex
- Open standards: ONVIF : Profile-S/G, PSIA
- Video compression: MJPEG, MPEG-4 AVC, MPEG-4, MxPEG, H.263, H.264, H.265

System Components
- Siveillance Management (Client / Server)
- Siveillance Video Recording server
- Siveillance Video Event server (Events/ Alarms)
- Siveillance Video Mobile (Client/ Server)
- Siveillance Video – Video Client Player (Export/ Local playback)
- Siveillance Video Service Channel
- Siveillance Video Log server

Key Features
- Directory service – MicrosoftTM Active Directory
- Centralized Management – Monitor/Administer (local/remote sites)
- Integrated Rule Engine – Event/Condition/Action
- Archive Video Recordings
- Integrated Alarm Management
- Intuitive Maps / Smart Maps
- HTTP over SSL/TLS
- Cross version Management/Compatibility
- ONVIF Gateway Interface - private-to-public video, Alarm Centers and Monitoring Stations
- Failover Management (Redundant Cluster)
- High Availability via MicrosoftTM Clustering
- Siveillance Video Monitoring Wall – Optional
- Edge Storage (Record/Playback/Syncing)
- Multi-cast streaming
- Kerberos Authentication
- Scalable Video Quality Recording™ (SVQR)
- Two-step verification
- Hardware accelerated video decoding for Video Motion Detection (Quick sync & NVIDIA)
- Hardware accelerated video decoding in the Mobile Server
- Connect DLNA supported TV screens
- Privacy Masking (permanent and liftable)
- Smart Map function (Building support)
- Encryption on communication from recording server

Distributed Operation
- Siveillance Video Interconnect – Remote Site
- Siveillance Video Federated Architecture – Remote Site

Installer
- One-click installer
  (Automatic device detection and retention-time configuration)
- Wizard-based interface for Plug-in

Operational Intelligence
- Metadata – Harvesting/Automation
- Built-in Video Motion Detection (VMD)
- Adjustable VMD sensitivity
- Real-time VMD analysis
- VMD exclusion zones

Video Processing
- Adjustable GOP size (MPEG4/H.264)
- Dual stream (Live/ Recording)
- Adjustable down sampling (Resolution/ FPS)
- Configurable recording speed (Motion/Event/ Time Schedule)
- Configurable Pre/Post alarm image buffer
- Pre-buffer in Memory

Audio
- AAC Audio Communication (Full Duplex, Half Duplex)
- Audio Recording (Half Duplex)
- Unlimited audio channels
- Two-way audio in web/mobile client

Pan-tilt-zoom (PTZ)
- Unlimited Preset positions per camera
- Go-to preset on event
- Preset patrolling via Rules
- Combine patrolling and go-to preset on event
- Configurable Scanning/Transition speed
- Number of PTZ priority levels – 3.2000
- Reserve PTZ priority & rights via video client

Alarm
- Alarm Management (Reassign, Update status, Comment)
- Alarm Configuration (Description, Work instructions, Initial Owner, Time profiles, Alarm Result Codes, Alarm Category, Sound Notification, Alarm Priority Levels)
- Alarm Handling (View triggered alarms, Report, Log, Status)
- Alarm Notification (Email, Multiple notification profiles)
- Alarm Priority Levels – 32,000
- Maximum number of camera popup in alarm preview window – 15
- SNL - TRAP support

Storage & Archiving
- Video retention time - Unlimited
- Recording capacity per device/day - Unlimited
- Online access to archives
- Configurable Storage & Retention Period (Per device, Per Group)
- Storage Overview (Used Space vs Available Space)
- Trigger Event on premature deletion of video due to insufficient physical storage
- Archiving schedules (Min - Hourly, Max - Practically Unlimited)
- Archive recordings
- Archive to network drives (NAS, iSCSI, SAN)
- Support for live video play without recording storage

Integration
- Plug-in, Protocol, Component integration via MIP SDK
- 3rd Party Metadata integration via MIP SDK
- 3rd Party Event and action rule engine integration via MIP SDK
- Siemens Security Product integration
  - SiPass Integrated™ via MIP SDK
  - Siveillance Vantage – via MIP SDK
- Desigo CC – via MIP SDK

Viewing Clients
- Hardware accelerated video decoding on Client using multiple NVIDIA cards
- Maximum number of clients - Unlimited
- Customizable IP range & port with NAT support
- User Authorization (Local Windows Accounts, Microsoft Active Directory, VMS Application Accounts)
- Assign ad-hoc content to Monitor-Wall (Alarms, Images, Bookmarks, Maps, Carrousels)
- Customizable dashboard tiles with drilldown possibilities
  - E-mail, Alarm, Notification
- Real-time system health monitor
- Simplified Export Panel

I/O & Events
- Soft I/O (Motion, Tamper, Temperature)
- Hardwire I/O (Push button, Sensor)
• Event Triggers (Audio detection, Input trigger, System Notification, Communication failure)
• Event Action (Notification: Email, Play audio clip, Matrix Control, Device Configuration)
• Multiple notification profiles

Management
• Configuration wizards for aided system setup
• Device Management (Device Grouping, Device Model Detection, Replacement Wizard)
• Seamless virtual hardware movement between recording servers
• Centralized Management (Recording server management, User Management)
• Centralized management of Siveillance Video Client application – Max 3 Video Client profiles
• Day length time profile
• On-the-fly configuration changes
• Run servers as Windows Services
• Scheduled start/stop of devices
• Built-in backup-restore support
• Offline license activation
• Dual Authorization for login
• User access permission per client
• Smart Map – offline support
• Web Client Alarm list
• Simple installation
• Inheritance of user rights

Reports & Logs
• System log
• Audit log
• Rule log
• Configuration report

Siveillance Video Monitor Wall
• Siveillance Video Monitor Wall - Add-on (Optional)
• Number of Siveillance Video Monitor Wall – Unlimited
• Number of concurrent video streams – Unlimited
• Maximum number of video streams per display -100
• Presets for display layouts and camera content
• Enable Rule-based control (Layout/Content)

Siveillance Video ACM
• Doors - Up to 5000
• Events - Up to 600 events per second
• Connect multiple Access Control systems
• Access points grouping
• Extended logs and audit trail
• Dynamic syncing of configuration from sub-system to Siveillance Video

Siveillance Video SiPass integrated Plug-in limitations
• Doors - Up to 1000
• Cardholder - Up to 6000
• Events - Up to 45 events per second

Languages* (Management Interface)
• Chinese (Simplified), Chinese (Traditional), Danish, English, French, German, Italian, Japanese, Korean, Portuguese (Brazilian), Russian, Spanish, Swedish, Turkish

What’s New - 2019 R3
- Centralized Search in Smart Client
- Adaptive Streaming
- Siveillance Video Driver Framework
- Device & Password Management

Note:
1. Supports ability to decode compressed audio stream and render the audio on a client.
   - Full-duplex - Data transmission that can be transmitted in both directions at the same time.
   - Half-duplex - Data transmission in just one direction at a time.
2. The central site must be Siveillance Video 2019
3. Siveillance Video provides possibility to seamlessly integrate 3rd party management station via MIP SDK – supports three types of integration: basic protocol integration, component-based integration via .NET library and plug-in integration to embed plug-ins directly into Siveillance Video.

*For a complete feature and supported languages overview please refers to the Siveillance Video Comparison Guide.
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