



Data Sheet

Siveillance Video Pro

For Complex, Large And Centrally Managed Distributed Site Solutions
2020 R3



A powerful solution for those complex, large and distributed site deployments, including more than 153 features and functions

The Siveillance Video Pro system is designed for centrally managed distributed solutions and centrally managed multi-server solutions for complex 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 Pro

- Hardware accelerated Video Motion Detection (VMD)
- Hardware accelerated video decoding using NVIDIA GPU
- Failover Recording Server
- Evidence Lock
- Rule Based Bookmarking
- Supports Monitor Wall (included)
- Lock Video on Cameras
- Centralized Search in Video Client
- Adaptive Streaming (Video & Web Client)
- Siveillance Video Driver Framework
- Device & Password Management
- Multistage Video Storage
- Video Data Encryption
- 29 Video Client languages supported
- Kerberos Authentication
- Two-step verification
- Smart Map – offline support
- Online Activation
- DLNA ready
- Adding Devices on HTTPS
- Direct streaming method - Mobile server
- Location search using GPS Coordinates
- People, Vehicle & Location Search Filters

Siveillance Video Pro Overview

Product Facts

- Deployment type Centrally managed, Distributed sites
- 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 10,000+
- Generic hardware discovery UPnP
- Audio⁽¹⁾ Full Duplex, Half Duplex
- Open standards ONVIF : Profile-S/G/T/Q, PSIA
- Video compression MJPEG, MPEG-4 AVC, MPEG-4, MxPEG, H.263, H.264, H.265, H.264+, H.265+

System Components

- Siveillance Video 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 – Microsoft™ Active Directory
- Centralized Management – Monitor/Administer (local/ remote sites)
- Integrated Rule Engine – Event/Condition/Action
- Archive Video Recordings
- Intuitive Maps / Smart Maps
- HTTP over SSL/TLS
- Cross version Management/Compatibility ⁽²⁾
- ONVIF Gateway Interface - private-to-public video, Alarm Centers and Monitoring Stations
- Failover Management (Redundant Cluster)
- High Availability via Microsoft™ Clustering
- Siveillance Video Monitoring wall – Optional
- Edge Storage (Record/Playback/Syncing)
- Multi-cast streaming
- Failover Recording Servers
- Hot-standby for Failover Recording Server
- 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 – Central/Remote Site
- Siveillance Video Federated Architecture – Central/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 recoding 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
- Configure PTZ preset positions via Video client
- Go-to preset on event
- Preset patrolling via Rules
- Combine patrolling and go-to preset on event
- Define patrolling scheme via video client
- Configurable Scanning/Transition speed
- Number of PTZ priority levels – 32000
- Reserve PTZ priority & rights via video client

Alarm

- Integrated Alarm Management
- 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
- SNMP - TRAP support

Storage & Archiving

- Recording capacity per device/day – Unlimited
- Video retention time - Unlimited
- Define available retention times
- 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)
- Evidence Lock
- Video encryption
- Digital video signature
- Multi-stage video & Metadata grooming
- Support for live video play without recording storage

Integration ⁽³⁾

- 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 Control & Control Pro – 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, Video Application Accounts)
- Assign ad-hoc content to Monitor-Wall (Alarms, Images, Bookmarks, Maps, Carousels)
- 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)

Management (Contd...)

- Seamless virtual hardware movement between recording servers
- Centralized Management (Recording server management, User Management)
- Centralized management of Siveillance Video Client application – Unlimited 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
- Tiered management rights
- Inheritance of user rights
- Time schedule-controlled user access to devices and functions
- Management Client profiles
- User access permission per client
- Smart Map – offline support
- Web Client Alarm list
- Simple Installation

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
- Enable Rule-based control (Layout/Content)
- Siveillance Video Monitor Wall
- Presets for display layouts and camera content
- Enable Rule-based control (Layout/Content)
- Rule-based bookmarking
- Manual bookmarking (Quick bookmark and Bookmark with details)

Bookmark Function

Evidence Lock

- Lock video Sequence – Single/Multiple cameras
- Preview of locked video sequences
- Define available retention times

Add-on products

- ACM Access Control Module – Optional
- Siveillance Video Monitor Wall - Included

Siveillance Video ACM

- Doors - Up to 5000
- Events - Up to 600 events per second

Siveillance Video ACM (Contd...)

- 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 / SIPOINT Plug-in limitations

- Doors - Up to 1000
- Cardholder - Up to 200,000 / SIPOINT – 10,000
- Events - Up to 45 events per second / SIPOINT - N/A

Languages* (Management Interface)

- Chinese ^(Simplified), Chinese ^(Traditional), Danish, English, French, German, Italian, Japanese, Korean, Turkish
Portuguese ^(Brazilian), Russian, Spanish and Swedish

What's New - 2020 R3

- Siveillance Video Operates in a Windows FIPS 140-2 compliant mode
- Generic 360-dewarping
- Video Client Performance improvements (*Either using NVIDIA cards or Intel Quick Sync*)
- The Video Driver API / SDK supports unlimited channels for integration
- Initial setup of credentials on devices (limited to supported devices, e.g., Axis, BOSCH, Hanwha and Avigilon)
- Multi-category Search
- Adaptive streaming for Siveillance Video Mobile
- Video Client with better 4K Streaming performance
- Web Client and Mobile Client now supports all Video CODEC (MJPEG, H.264 & H.265) via Direct Streaming capability

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 2020
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**.
www.siemens.com/siveillance-video

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