

Data Sheet

Siveillance Video Advanced

For medium to large solutions
2019 R3



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

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 ⁽¹⁾	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 – Microsoft™ 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 ⁽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
- 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 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
- 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 – 32000
- 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
- SNMP - 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 ⁽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 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, 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)
- 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**.
www.Siemens.com/Siveillance-VMS

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