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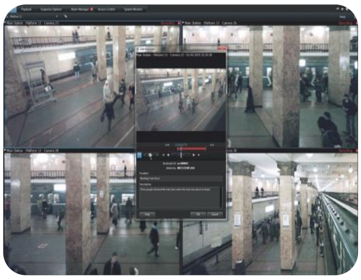
Data Sheet

Siveillance Video Advanced

For Medium To Large Solutions
2020 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)
- Redundancy Option for High Availability
- Supports H.265
- Centralized Management
- Flexible Rule Engine
- Centralized Search in Smart Client
- Adaptive Streaming (Video & Web Client)
- Siveillance Video Driver Framework
- Device & Password Management
- Edge Storage
- Hardware accelerated video decoding using NVIDIA GPU
- Smart Map – offline support
- Multicast Support
- DLNA ready
- Hot & cold failover recording server
- Kerberos Authentication
- Two-step verification
- Online Activation
- Adding Devices on HTTPS
- Direct streaming method - Mobile server
- Location search using GPS Coordinates
- People, Vehicle & Location Search Filters

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	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 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

Storage & Archiving (Contd...)

- 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 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, 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

Management (Contd..)

- 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 Monitoring 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 / SIPORT Plug-in limitations

- Doors - Up to 1000
- Cardholder - Up to 200,000 / SIPORT – 10,000
- Events - Up to 45 events per second / SIPORT - 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 refer to the **Siveillance Video Comparison Guide.**
www.siemens.com/siveillance-video

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