

Solution Overview

Intelligent Video Surveillance by Axis Communications & Agent Vi

The integration of Axis Communications' network video products and Agent Vi's video analytics solutions provides a high-end, feature-rich offering which increases the ROI of video surveillance systems and can be applied to a wide variety of market segments.

As a member of the Axis ADP Program, Agent Vi offers embedded software components providing analytics on a wide range of Axis products. Combined with Agent Vi's video analytics solutions – Vi-System and Vi-Search – Axis devices become intelligent sensors providing real-time alerts, forensic analysis and business intelligence capabilities.

Agent Vi's distributed architecture splits the video processing between Axis devices and Vi-Server (Agent Vi's central server) achieving high performance with minimal dedicated hardware and bandwidth requirements. This unique architecture capitalizes on the advantages of both edge-based analytics and server-based central management.

The ongoing partnership includes Agent Vi's support for the AXIS Camera Application Platform, with a view to providing compatible solutions for the complete 'P' and 'Q' product lines.

Architectural Advantages

The joint solution offers a number of significant advantages:

- **High detection quality** by running image processing algorithms inside the edge device
- **Central server management** allowing centralized setup, rule / query linking and more
- **Minimal bandwidth** as video transmission from the edge device to the analytics server is not required
- **Minimal server hardware** with the best camera-to-server ratio on the market
- **Superior camera performance** due to the low CPU consumption of Vi-Agent, which allows multiple functionalities per camera



VI-SYSTEM: ILLEGALLY STOPPED VEHICLE ON HIGHWAY



VI-SYSTEM: PEOPLE COUNTING, INCOMING AND OUTGOING



VI-SEARCH: VIDEO THUMBNAILS FOR FORENSIC SEARCH

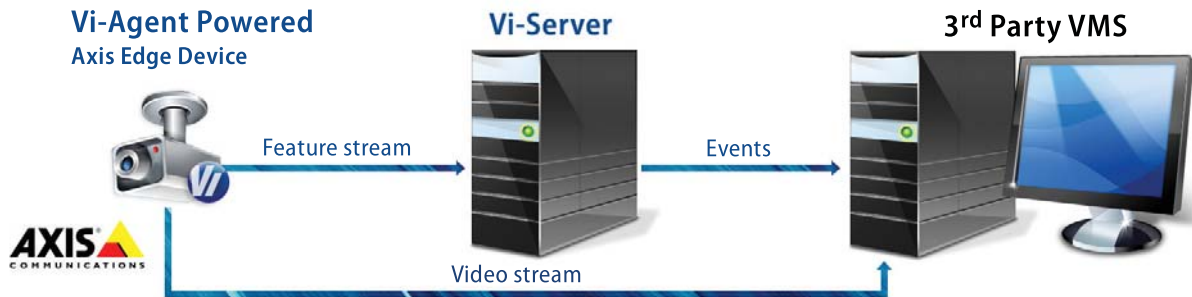


VI-SEARCH: VIDEO USED FOR MOTION PATH ANALYSIS

Agent Vi's Video Analytics Solutions

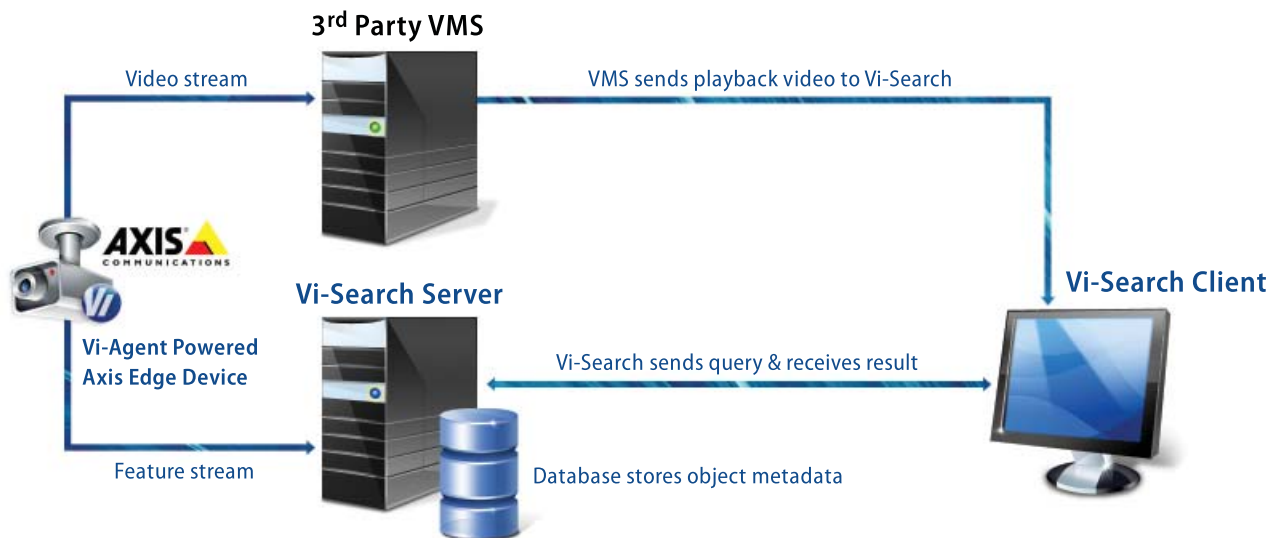
Vi-System – Real-Time Detection and Alert Software

Vi-System is a high performance, real-time detection and alert software that enables users to define events of interest, and subsequently receive automatic alerts for such events, as they occur.



Vi-Search – Video Search and Analysis Tool

Vi-Search is a complete video search and analysis solution, enabling effective retrieval and presentation of specific video segments, events and data from vast amounts of recorded video.



End-to-end solutions can be easily deployed through the addition of a video recording system to the consolidated offerings. Through the integration of Agent Vi's software and the Axis devices, market-leading video management systems can be used to retrieve and display real-time alerts as well as to play back video segments representing search results.

	Vi-System	Vi-Search
Supported Cameras		
Models	A wide selection of Axis devices are supported, including P- and Q-lines of the new AXIS Camera Application Platform. For specific models, please contact support@agentvi.com	
Software & Hardware Requirements for 200 Channels		
Vi-System / Vi-Search Server (for 200 channels)	CPU - Core2Quad 2.66 GHz (or similar), RAM - 2 GB	CPU - Core2Quad 2.66 GHz (or similar), RAM - 2 GB
	Hard drive - 100 GB	Hard drive - 400 GB per month of storage
	OS - Windows XP Professional, Windows Server 2003, Windows Server 2008	OS - Windows XP Professional, Windows Server 2003, Windows Server 2008
Configuration & Monitoring Client Software	CPU - Core2Duo 2.4 GHz (or similar), RAM - 1 GB	CPU - Core2Duo 2.4 GHz (or similar), RAM - 1 GB
	Hard drive - 50 GB	Hard drive - 50 GB
	OS - Windows XP Professional, Windows 7	OS - Windows XP Professional, Windows 7
Server Scalability	Analytics servers can be easily added to support more cameras	Analytics servers can be easily added to support more cameras
	Stronger processors can support more cameras on one server	Stronger processors can support more cameras on one server
Supported Features		
	Person: Person moving in an area • Person crossing a line • Crowding • Person tailgating • Loitering • Grouping • Count people • Measure stickiness	Search classification by Target: People, Vehicles, Objects
	Vehicle: Vehicle moving in an area • Vehicle crossing a line • Stopped vehicle • Tailgating vehicle • Count vehicles • Moving water vessel	Refine search by: Size, Direction, Color, Behavior
	Object: Suspicious object • Traffic obstacle • Asset protection	Statistical data collection and management: Counting information, Movement paths, Generate reports
	PTZ Tracking: Preset – Person moving in an area • Preset – Person crossing a line • Preset – Vehicle moving in an area • Preset – Vehicle crossing a line • Autonomous Target Tracking – Vi-Track	User-friendly presentation of the results: Snapshot Thumbnails, Motion Path / Location View, Statistics Reports, Video Summary
		Average Query Time: 15 seconds per channel per 24 hours of recorded metadata
Third Party Recording System Vendors Supporting Event Viewing and Archiving		
	Cisco, Genetec, Milestone, OnSSI and more	Milestone, OnSSI and more
	For additional vendors and supported versions, please contact support@agentvi.com	

Agent Vi, Vi-System, Vi-Search, Vi-Server and Vi are trademarks of Agent Vi

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