

## Vi-System™ Version 4.1

Vi-System™ is Agent Vi's real-time video analytics software, which transforms standard surveillance networks into intelligent and effective detection and alert systems.

The table below lists the major technical features and functionalities of Vi-System. The data presented can be used to assist in responses to bids, preparation of proposals or as a general source of information for design purposes.

Product Characteristics	
Architecture	Distributed analytics, Server analytics
Supported operating systems	Windows Server 2008 SP2 or R2 (32-bit and 64-bit), Windows 7 (32-bit and 64-bit)
Supported sensor types	Black & White, Color, Thermal
Supported edge devices for Optimized Offering	Axis, COE, IQinVision, Siquira, Sony, Verint, Vivotek Contact <a href="mailto:support@agentvi.com">support@agentvi.com</a> for additional devices and supported models
VMS and C&C integrations	Cisco, Genetec, Milestone, OnSSI, Proximex, Salient Systems, Verint, Vicon Contact <a href="mailto:support@agentvi.com">support@agentvi.com</a> for additional vendors and supported versions
Management	
Features for Large Scale Deployments	
Centralized management	Rule configuration and setup is performed on a single central server
High Availability	Complete high availability and failover support of all server components
Automatic Scene Learning (ASL)	Automatic calibration and camera configuration
Automatic edge device discovery	Edge devices can be automatically added to the server without manually specifying their IP address
Rule Management	
Rule scheduling	Activate / deactivate rules according to predefined schedules
Configurable rule parameters	Wide range of advanced parameters to suit various scenarios and environments
Client Monitoring Application (Vi-Monitor)	
Live viewing	Up to 6 live streams simultaneously, with overlay markup
Event console	Event details, snapshot, classification, history
Event notification	SMS, MMS, Email, Pager, External database
Event reports, Counting reports	Excel, Crystal Reports, PDF
Database	
Redundancy / failover	
Backup and restore	
Automatic archiving	
API	
Windows SDK, Web-service interface	
Event notification	
Event snapshot	
Metadata / detection markup	
Counting information and statistics	
Rule activation / deactivation	
Database operations	
Performance	
Number of rules per video channel	Unlimited
Number of detected targets	Unlimited
Number of detection areas	Unlimited
Number of schedules	Unlimited

Hardware Requirements for 200 Cameras*	
Vi-System Server	Intel Core i7 2.8 GHz (with 4 cores, or similar), RAM - 4 GB, Hard drive - 100 GB
Vi-System Configuration & Monitoring	Core 2 Duo 2.66 GHz (or similar), RAM - 2 GB, Hard drive - 50 GB
Analytics Capabilities	
General	
Rule chaining	
Event on non detection	
Configurable sensitivity	
Person	
Person moving in area	Detects a person moving in a predefined area
Person crossing a line	Detects a person crossing a predefined line
Crowding	Detects if people in a predefined area exceed a predefined density %
Person tailgating	Detects a person illegally following an authorized person through a secure entry
Loitering	Detects person(s) lingering in a predefined area for longer than a predefined time
Grouping	Detects if people in a predefined area exceed a predefined number
Vehicle	
Vehicle moving in area	Detects a vehicle moving in a predefined area
Vehicle crossing a line	Detects a vehicle crossing a predefined line
Stopped vehicle	Detects a vehicle stopped in a predefined area
Tailgating vehicle	Detects a vehicle illegally following an authorized vehicle through a secure entry
Moving water vessel	Detects a vessel moving over water
Static Object	
Suspicious object	Detects an object unattended for longer than a predefined time in a predefined area
Traffic obstacle	Detects a target of any size that has entered and stopped in a predefined area for longer than a predefined time
Asset protection	Detects the removal of a predefined asset from the field of view
Counting	
Count people	Counts people crossing a predefined line (bidirectional)
Count vehicles	Counts vehicles crossing a predefined line (bidirectional)
Measure stickiness	Counts people dwelling in a predefined area for longer than a predefined time
PTZ	
Motion detection on preset tour	Detects a person / vehicle moving in an area and/or crossing a line predefined in a preset position of a PTZ camera's virtual tour
Automatic tracking	Locks a PTZ camera onto a detected moving target (person / vehicle) by controlling the camera's Pan Tilt Zoom, and tracks that target
Static camera to PTZ camera handoff	After detection on the fixed camera, the fixed camera hands off the target to the PTZ camera which locks onto the target and tracks it
3D Masking	Detection block mask adjusted to all PTZ dimensions
Camera tampering	
Obscuring	
Camera shifted	
Saturation	
Low light	
Camera disconnection	

\*When using embedded edge devices (Optimized Offering)

The table refers to the product version identified above, and does not contain the full features and functionalities of Vi-System, or design aspects that may affect or limit some of the features or functionalities. Additional information is available on Agent Vi's website [www.agentvi.com](http://www.agentvi.com), including in the Vi-System Product Brochure, or in Agent Vi's extended documentation and manuals which are available to Agent Vi's partners. For specific queries, please contact [sales@agentvi.com](mailto:sales@agentvi.com) or [support@agentvi.com](mailto:support@agentvi.com)