



Agent Vi Brings Security to a New Level at Scott County Jail

Product:

Vi-System – Real-Time Video Analytics

Application:

Security and Perimeter Protection

Customer: Scott County Jail

Location: Scott County, Minnesota, USA

Vertical Market: Govt. & Military Facilities (Jail)

Agent Vi Partners:

Milestone Systems – Video Management Software (VMS)

Axis Communications – Video Encoders

Paragon Solutions Group – Certified Systems Integrator

Challenge

Scott County Jail is a newly constructed full service facility that has been occupied since 2005. The facility covers 88,737 square feet, which includes 160 cells that house sentence and pre-trial adult male and female offenders. Juvenile delinquent offenders are also housed there for a limited time. The facility has a secure tunnel that connects the Jail to the Scott County Justice Center, to provide for the efficient and safe movement of prisoners to and from Court. In addition, there is a secure Courtroom within the Jail itself, which is used for initial arraignments.

Scott County Jail sought a real-time video analytics solution to assist in the detection of unauthorized people in restricted zones. Automatic detections are most appropriate to serve the security needs of Scott County Jail due to the substantial size of the site, which otherwise would demand a large number of staff physically patrolling the restricted zones, or a Corrections Officer keeping watch and picking up irregularities on nearly 100 screens.

To allow for the effective deployment of the Corrections staff following an incident, the Jail sought a highly reliable analytics system that provides high probability of detection and very low false alarm rates. Furthermore, it was of great importance to Scott County Jail that the video analytics be installed without having to make changes to their existing surveillance system.

Solution

Scott County Jail turned to Agent Vi to deploy Vi-System – Agent Vi’s real-time video analytics solution. Of 186 cameras at the site, the Jail required the enabling of 90 cameras with video analytics capabilities.

Vi-System was installed at Scott County Jail, by embedding the Vi-Agent component in the Axis Q7406 encoders that stream video from the analog cameras. Agent Vi’s distributed analytics architecture – which splits the video analysis between the camera (via the Vi-Agent component) and the server – enabled the use of a single analytics server to handle all 90 cameras. Accordingly, no additional hardware or equipment had to be purchased for the Milestone surveillance system to support video analytics.

“Within minutes of launching Vi-System, the software identified 3 analog cameras that were not delivering acceptable video stream to the Axis encoders. We would not have picked up this problem so quickly without Agent Vi’s VQM (video quality monitoring) capability – a built-in feature of Vi-System.”

—Jail Administrator
Scott County Jail

In line with the security needs of Scott County Jail, all 90 encoders were defined with the required Vi-System detection rules.

Scott County Jail employs Milestone XProtect Corporate as their VMS recording and viewing application, which is fully integrated with Agent Vi's software. This enables events generated by detections to be sent to Milestone's XProtect Smart Client for display. Furthermore, the Jail employs an additional storage component from Intransa which allows them to store substantial amounts of recorded video for a minimum of 30 days.

Result

With 90 channels enabled with Vi-System's real-time detection capabilities, Corrections staff is alerted immediately to breaches of defined secure zones, allowing them to decide – as the event occurs – how to best respond to the incident. Such alerts have proven to be much more effective than visual monitoring of screens in the master control station by Corrections staff.

Captain Bonnie Case, Scott County Jail Administrator stated that "Vi-System is an integral component of our surveillance system. Our Corrections Officers find Vi-System easy to use. The response to Vi-System has been universally positive, and it increases Officer efficiency.

She also commented on the integration between Vi-System and Milestone XProtect Corporate, stating that "adding Agent Vi's video analytics to our existing surveillance system has been seamless. We continue to use the central management of the video recording system to manage the surveillance network, and receive event alerts in this interface."

Paragon Solutions Group, Inc. – a certified member of both Agent Vi's and Milestone's Channel Partner Programs – installed Vi-System at the site. Todd Vojta, President of Paragon Solutions Group, Inc., commented that "Vi-System is a fantastic Video Analytics Solution. We have had experience in the past with other analytics solutions and have always been disappointed. Vi-System is easy to install, integrates extremely well and provides our customers with the right solution based on the analytics and behaviors they require to effectively secure their location/assets."

In addition to providing real-time video analytics at Scott County Jail, Vi-System has improved the general level of surveillance at the site. Captain Case noted that "within minutes of launching Vi-System, the software identified 3 analog cameras that were not delivering acceptable video stream to the Axis encoders. We would not have picked up this problem so quickly without Agent Vi's VQM (video quality monitoring) capability – a built-in feature of Vi-System."

About Agent Vi

Agent Video Intelligence (Agent Vi) is a leading provider of open architecture, video analytics software deployed in a variety of security, safety and business intelligence applications worldwide. The comprehensive video analytics solutions offered by Agent Vi extend from real-time video analysis and alerts to forensic search and post-event analysis, and are fully integrated with a range of third party edge devices and video management systems.

Integrating Agent Vi's advanced video analytics capabilities into existing or new surveillance networks enables users to benefit from the true potential of their surveillance networks, transforming them into intelligent tools that respond to the practical challenges of the 21st century.

About Vi-System

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

By performing real-time analysis of the video stream, Vi-System identifies and generates alerts for a variety of user-defined events relating to people, vehicles and objects. Used for applications such as security, safety and business intelligence, Vi-System offers effective monitoring of multiple video sources in parallel, enabling automatic detections, alerts and responses to events, as they emerge.

Based on Agent Vi's open architecture, pure-software approach, Vi-System can be easily integrated with a wide range of edge devices and video management systems, in both new and existing surveillance networks.

Vi-System boasts the combined benefits of superior detection performance, high scalability, installation simplicity and ease of use, making Vi-System the most advanced, comprehensive and cost effective real-time video analytics solution on the market.