

Maharashtra Police Academy goes hi-tech with Milestone video management software (VMS)

Security systems demo to visiting authorities brings commitment to roll out to major cities

Recent security concerns, prompted especially by the arrest the previous year of a Pakistan-based operative, has led the Maharashtra Police Academy in Nashik, India, to opt for the installation of a state-of-the-art video surveillance solution for its 250-acre campus. Designed by Revmax Security Systems, the installation serves as a prototype for an earmarked city-wide video surveillance system.

Hardware



A sturdy security installation

No detail has been spared in the design of this system. The camera poles, which are designed and engineered by Revmax Security Systems, are made to withstand harsh weather, ground vibrations, sabotage, lightning and even vehicular collision. The movable and fixed IP network cameras cover wide areas, and they deliver clear images even in extreme low light conditions (0.001 lux).

Edge recording de-centralizes storage and prevents video loss due to broken network links. Power over Ethernet (PoE and High PoE) enables a single cable for power and video, and enables remote pan-tilt-zoom. Cameras are equipped with two-way audio, and the MPEG-4 based multi-view video streaming is protected by HTTPS encryption that is used for advanced level security and network management.

Software

The Milestone XProtect® video management system provides a federated architecture that allows for better centralized management and control by delivering a limitless multi-server and multi-site solution. It has an advanced bookmarking feature to mark video sections of particular interest and to add descriptive notes for later analysis and sharing with others. A single-point alarm function provides a consolidated and clear overview of security and system-related alarms. It has a safeguard feature that allows cameras to function as failover devices, to ensure uninterrupted video recording in the event of network or server failure.



Dignitaries inspect the Milestone video surveillance system



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A sequence explorer displays sequences, time intervals and bookmarks in thumbnail previews. A unique, independent playback function allows instant playback of recorded video in live or playback mode. Audit logs give full awareness of the system and operator activity. The system has the ability to traverse both LAN and WAN network topologies. Additional plug-ins among other things can enable the capture of moving vehicle license plates.

Analytics

The video analytics system is provided by Agent Vi, and it is integrated seamlessly with the Milestone VMS. The system is capable of delivering analytics to large-scale deployments comprising thousands of video cameras, so it is scalable for use in many cities.

The server-client based solution is configured in such a way that a server featuring a quad-core processor is capable of performing analytics on at least 200 cameras simultaneously. Additional servers can be added to the network for enabling analytics on an unlimited number of additional cameras (without downtime). It functions even in adverse environments such as low light and bad weather conditions, without loss of performance or significant increase in false real-time detection.

Agent Vi offers a suite of analytics rules to provide automatic detection of a range of motion and non-motion behaviors of persons, objects and vehicles. A combination of these rules can run in the same camera simultaneously, without limitations. The rules can be configured to detect persons or vehicles moving in an area, persons or vehicles crossing a line or moving in the wrong direction, crowding, tailgating, loitering, grouping (when the allowed number of persons exceed a certain threshold), suspicious objects, traffic obstacles, protecting assets, counting persons or vehicles and PTZ tracking (tracks a moving target based on defined presets).

About Revmax Security Systems

Revmax Security Systems Pvt. Ltd. has core competence in designing and implementation of Electronic Security, Building Management, Fuel, Home, IT and Office Automation Systems. We also offer ready security packages for Retail, Hospitals, Banks, Schools, Colleges, Government edifices and hospitality industry. Our advance solutions offerings are Intelligent City Surveillance, Perimeter Surveillance and Intrusion Packages. <http://www.revmax.co.in/security-company-profile.html>

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. <http://www.agentvi.com>

About Milestone Systems

Founded in 1998, Milestone Systems is the global industry leader in open platform IP video management software. The XProtect® platform delivers powerful surveillance that is easy to manage, reliable and proven in thousands of customer installations around the world. With support for the widest choice in network hardware and integration with other systems, XProtect provides best-in-class solutions to video enable organizations – managing risks, protecting people and assets, optimizing processes and reducing costs. Milestone software is sold through authorized and certified partners. For more information, visit www.milestonesys.com



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