

Device Management in Security and Surveillance Applications

Security and surveillance applications apply advanced analytics to vast amounts of data (including digital audio and video) in order to classify objects, detect activities, and raise alerts. By conducting these efforts efficiently and accurately, leading applications are able to improve the safety and security of monitored areas.

The data that is the lifeblood of security and surveillance solutions is collected by devices deployed throughout a monitored environment. The most common device used in surveillance is the video camera, often the pan/tilt/zoom variety. Numerous other device types are also heavily used in the industry: sensors, radar, access control, radiation, GPS, and smart fences are often deployed on-site, while projection/display systems, DVRs, and audio announcement systems are used in centralized control centers. **As more of these devices are deployed throughout increasingly complex environments, it becomes critical for surveillance solution providers to ensure that all devices are always available to collect and distribute data at all times.**

Robust device control software is required to effectively manage the numerous physical devices that are used in a typical surveillance deployment. Only surveillance solution providers that offer advanced device management capabilities will be able to ensure the effectiveness of their complete solutions and thus deliver the optimal security that end-users expect.

Simtrol's Open Approach to Control Systems

Simtrol, Inc. (OTCBB: SMRL) is an innovative provider of device control and monitoring software. We develop scalable software solutions that cost-effectively manage disparate devices in complex environments, including courtrooms, operating rooms, and boardrooms. As contrasted to historical device control and monitoring solutions, which have been driven by proprietary closed-architecture hardware-based solutions, Simtrol uses an open software-based approach that incorporates standard interfaces. This architecture enables customers to dramatically improve efficiencies and benefit from lower total cost of ownership.

Simtrol's Device Manager™ software is a Windows-based product that includes a device control engine that performs the “heavy lifting” of command/response processing and queuing. Device Manager also contains an array of tools for remote diagnostics and monitoring, including proactive notification, remote control panels, reporting, and other asset management functions.

Simtrol Integration with Security & Surveillance Solutions

Consider an airport or rail terminal that deploys hundreds of cameras and sensors across a dispersed campus in order to improve the security of its customers, employees, buildings, and equipment. With Device Manager's advanced capabilities, the security and surveillance solution can remotely control and monitor each individual device, as well as groups and collections of devices, to ensure data is being properly captured for analysis. The solution can report on the health, status, and use of devices, as well as schedule devices for routine maintenance and, more importantly, proactively alert designated contacts when a device unexpectedly becomes non-operational. The ability to remotely control, monitor, diagnose, and troubleshoot

surveillance devices can mean the difference between providing a real-time alert the moment a security event happens and not even being aware that a breach occurred. See Diagram 1.

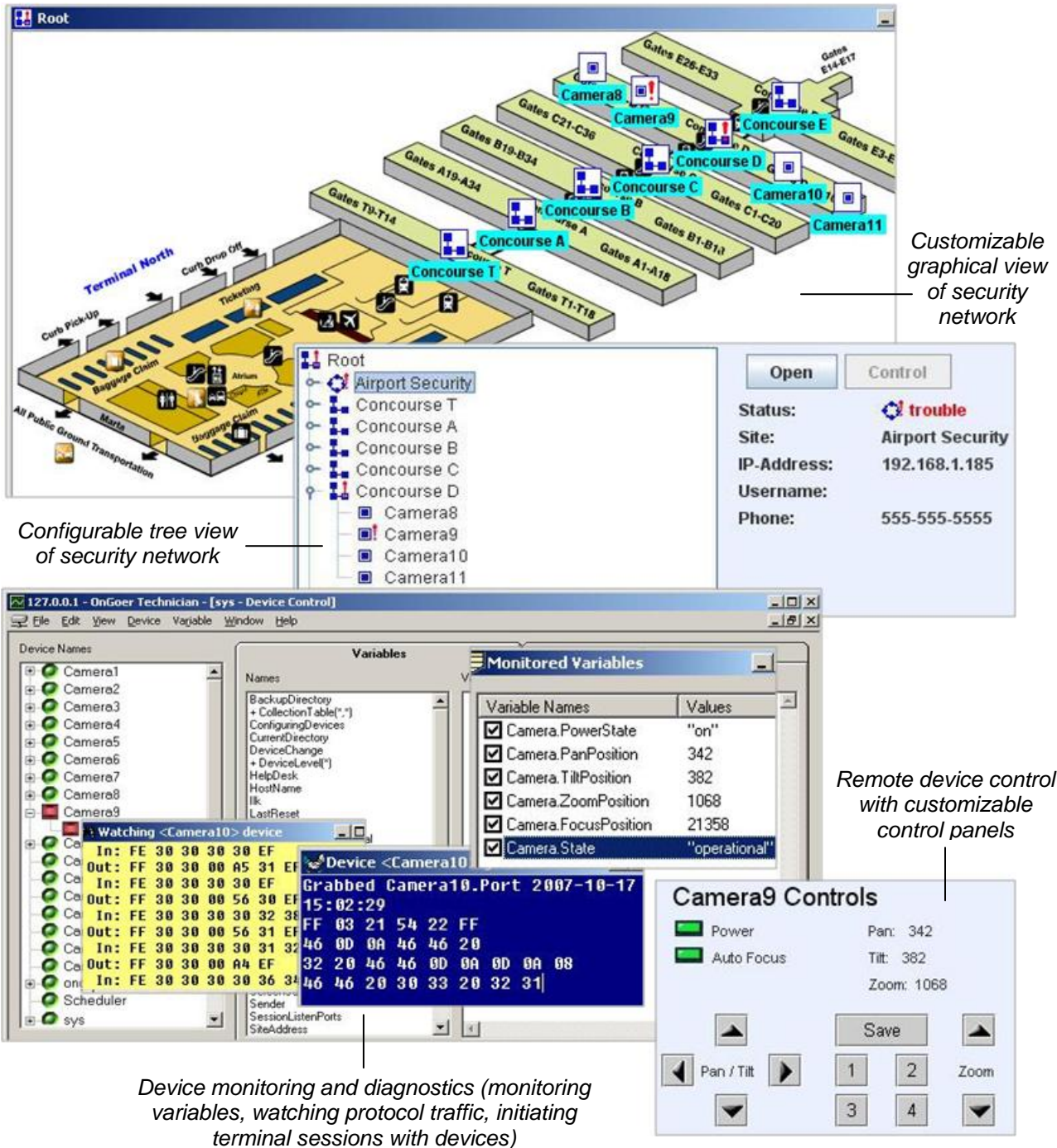


Diagram 1: Simtrol's Device Manager provides configurable graphical and tree views of the security network combined with remote control, real-time alerting, and diagnostics of devices.



Additionally, the Device Manager engine can serve as the foundation for large-scale command and control centers, which typically include many devices such as projection/display systems, DVR systems, and audio announcement systems that need to be controlled and managed to ensure 100% coverage.

By employing Simtrol's open and structured approach to device control, devices may be upgraded or otherwise swapped out seamlessly without the time and expense associated with proprietary solutions.

Device Manager's open architecture makes it an ideal solution to be bundled into security and surveillance applications. By exposing web services through a Service Oriented Architecture (SOA), Device Manager easily integrates with any Security/Surveillance application to provide maximum functionality and flexibility. See Diagram 2.

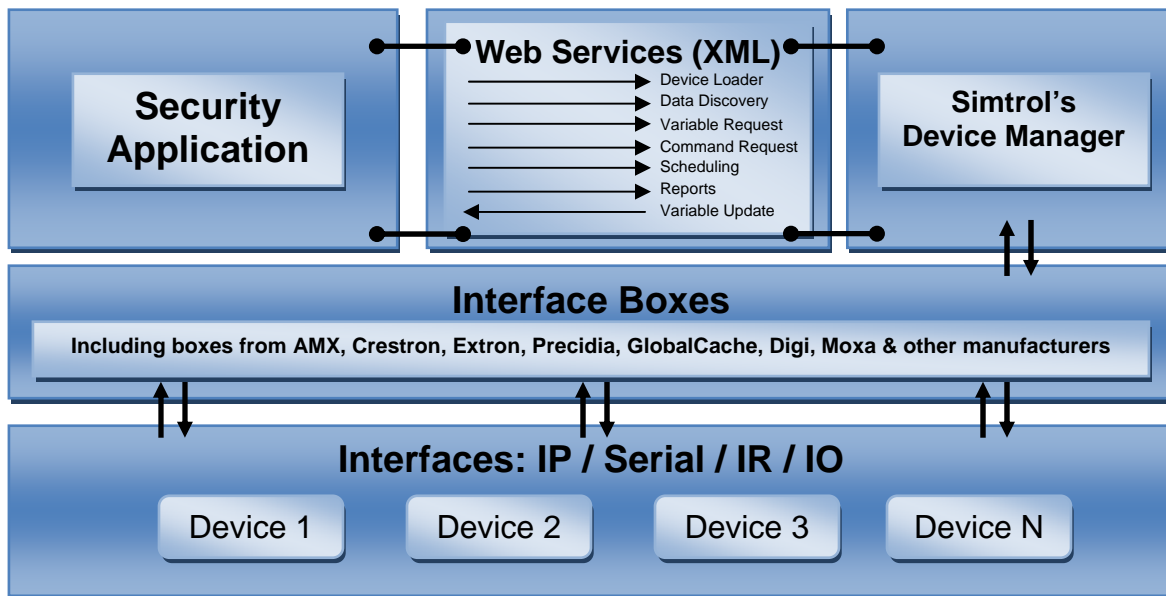


Diagram 2: Simtrol's Device Manager integrates with Security & Surveillance applications by exposing web services through an SOA.

Conclusion

The most critical component of any security and surveillance solution is the data – namely digital audio and video – that is captured by devices deployed throughout the target environment. Only by utilizing advanced device monitoring and control capabilities can cameras, sensors, and the other key devices be guaranteed to be always operational to provide 100% coverage to your end-user customers. Simtrol's Device Manager software solution provides these capabilities that can allow you to deliver a more robust and differentiated solution to the market.