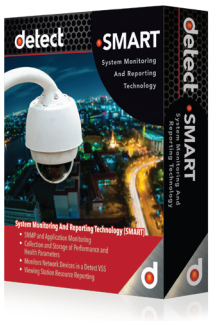
detect® SMART

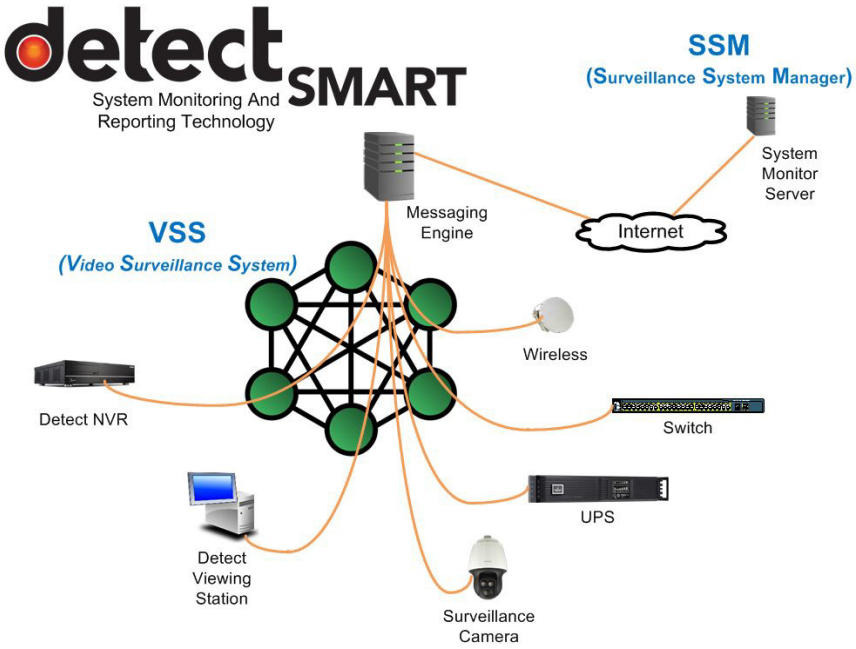
DETECT® Municipal Surveillance Systems provide high uptime and availability

by virtue of LEVERAGE's Peer-to-Peer Surveillance Architecture. DETECT SMART (**S**ystem **M**onitoring **A**nd **R**eporting **T**echnology) is the optimal tool to keep it running smoothly as demands ranging from scaling of the system, component degradation and failures, and end-user activity create an ever changing environment.

First responders require real-time awareness on demand. Municipal surveillance systems not only provide valuable forensic information, but real-time response can furnish visual awareness during critical events. DETECT SMART assures the readiness of a Detect Municipal Surveillance system to meet these challenges.



DETECT SMART collects, calculates, and stores critical health status information from devices comprising a Video Surveillance System. The DETECT Surveillance System Manager (SSM) provides DETECT SMART with configuration information developed during design. This expanded capability ensures design objectives are achieved.



A collection of process engines are distributed across the Peer-to-Peer Surveillance Architecture with each device reporting health and performance status. System configuration data maintained by DETECT SSM ensures that all devices are present and reporting.

DETECT SMART generates a daily summary report providing an executive overview of system operation. Critical events are available in real-time. From the SMART GUI, a device can be queried and provide current status and historical information.

The increasing complexity of Video Surveillance Systems (VSS), coupled with high megapixel cameras, makes it challenging to provide high quality video across an IP network. Unforeseen environmental issues, incorrect device and network configuration, and many other factors will result in a less than successful VSS implementation.

DETECT SMART ensures parameters defined during design are carried through to deployment. Devices within a DETECT VSS can report their health relative to environment, proper configuration, and performance. The Leverage Peer-to-Peer architecture inherently produces a highly reliable system, and with Detect SMART downtime is minimized. Downtime is inevitable, however the combination of a highly reliable network foundation and DETECT SMART ensure optimal system uptime and performance.

A surveillance camera is a high performance computer with the ability to flood an IP network with unneeded traffic if not configured properly, or if it becomes unstable. It's not uncommon for a surveillance camera left on its own to disrupt a VSS. For example, in a VSS consisting of 74 cameras, one camera became unstable, consuming 18% of the storage intended to record all 74 cameras. In another VSS consisting of 86 cameras, two cameras failed to meet performance requirements (producing unusable video), consuming 22% of storage intended to record all 86 cameras.

These real-life experiences are just two examples of many in which a surveillance camera has gone wild. When the impact to the network and the viewing stations is taken into account, the need for DETECT SMART to preserve the functionality of a VSS becomes crystal clear.

When tightly coupled with DETECT VMS and DETECT SSM, DETECT SMART creates a powerful, system-wide health monitoring system that alerts device anomalies in real-time. Historical environmental and performance information provides users a comprehensive operational overview.

DETECT SMART is the intelligent way to assure surveillance cameras are online, ready, and recording the moment they are needed. A LEVERAGE Municipal Surveillance System is at its best when combined with DETECT SMART.

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