Application Data Sheet

Video surveillance for public safety

Public safety video applications

- Virtual stakeouts of high crime areas
- Video monitoring of traffic stops, increasing officer safety
- Enhanced school campus security
- Remote monitoring of high fire risk areas
- Access to live video feeds in the field
- Cost effective virtual neighborhood watch

Tropos technology differentiators

- Performance – Multi-megabit capacity, low latency
- Security – Layered, military-grade security; VPN support
- Mobility – Seamless roaming across entire coverage area
- Reliability – Mesh architecture creates redundant paths; patented routing algorithms increase resiliency
- Scalability – Can be used across 10s, 100s, and 1000s of square miles
- Management – Most comprehensive configuration, analysis, and reporting

"We chose the Tropos solution because it clearly provided the highest performance for our video and data applications. Plus, it can easily be extended for additional public safety and city service applications, delivering more content to users in the field to be more efficient in their jobs everyday."

Brad Goodman
Network Manager
City of Savannah

Video surveillance is an indispensable tool for public safety and the security of communities and schools. Fixed and mobile video cameras provide information to public safety in real -time, reducing response time.

High speed mobile access for public safety

Video surveillance over a wireless broadband network provides a highly flexible way of remotely monitoring the city previously not possible with wired video solutions. Additionally, a metro scale wireless network can be deployed much faster with reduced deployment complexity and cost than commonly used alternatives.

Key benefits of public safety video surveillance over Tropos wireless broadband networks:

- Resource multiplier: Provides extra 24x7 virtual eyes in the locations they are needed. Enables virtual stakeouts of high crime areas without physical officer presence, and observation of large areas with minimal resources.

- Improves situational awareness: The ability for responding officers to see what is happening at an incident before they arrive has been described as "life saving technology".

- Enhances tactical command and control: Field access to live and recorded video has become an important tactical asset. A metro-Wi-Fi network enables rapid deployment of on-scene cameras with local and remote monitoring.

– Provides forensic evidence: visual, often irrefutable evidence reduces court time and associated legal costs by expediting legal proceedings.

Multi-use network

Tropos is the market leading metro-scale wireless broadband company, providing a reliable and secure foundation for delivery of multiple simultaneous applications on the same cost-effective physical infrastructure. In addition to the primary video surveillance application, a single network can be designed to support a range of municipal applications such as;

– Mobile public safety — In-field access to information increases personnel efficiencies and enables submission of reports from the field, increasing time spent in the community.

– Automated utility meter reading — Remote monitoring of water, electric, and gas meters, provides fast alerts to problems and accurate meter readings in real time.

– Parking meter management — Real-time management of networked parking meters expands payment options, improve operational costs efficiencies, and can increase parking revenue.

– Mobile workforce — Fast, easy access to records and filing of reports from anywhere around town, improving worker efficiency and productivity.

– Intelligent traffic systems — Replaces costly leased lines to traffic signals; offers the bandwidth to support signal management, video, red light runner monitoring, etc.

Video surveillance building blocks

A wireless broadband network provides the multi-megabit communications needed for IP video cameras. IP cameras mounted on emergency vehicles and trailers can stream live images back to headquarters and to other mobile units, improving tactical command and control. A typical video surveillance solution consists of:

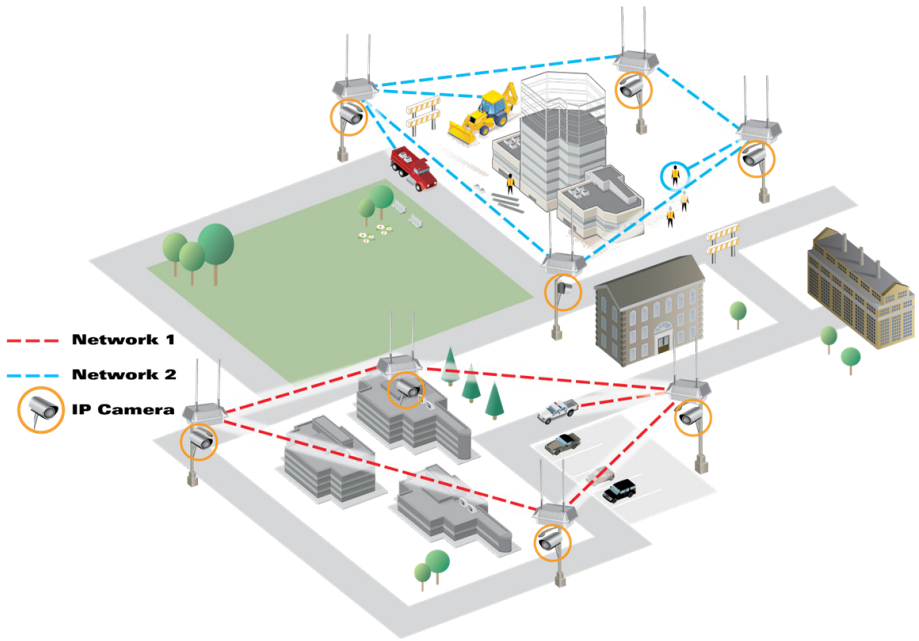
– IP cameras that generate digital video streams

– Scalable monitoring and recording software running on network-connected standard PC hardware (network video recorders)

– Mobile viewing clients that run on standard Wi-Fi enabled laptops and handhelds

Built with reliability and security in mind, Tropos networks can operate in the 5.8GHz, 4.9 GHz and 2.4 GHz bands. Industry's leading routing algorithms include dynamic band selection, offering path redundancy and fault tolerance. Customers using Tropos Mesh networks today for public safety-related video surveillance include: Savannah, GA; Oklahoma City, and Ponca City, OK.

Tropos Video Surveillance Network



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