

Video Surveillance



Benefits

- More visibility improves public safety
- Early alerts reduce response times
- Virtual eyes increase officer safety
- Video images serve as forensic evidence
- Real time video streaming on the go

Video Surveillance is fast becoming an indispensable part of public safety and security of communities and schools. Fixed and mobile Video Surveillance solutions over Wi-Fi can now deliver mission-critical video feeds to field units, headquarters and anywhere else in the coverage area.

WIRELESS VIDEO FOR COMMUNITY SAFETY

Video Surveillance over a wireless network provides a highly flexible way of remotely monitoring the city previously not possible with wired video solutions. Additionally, a metro scale Wi-Fi network can be deployed much faster with reduced deployment complexity than comparable technology alternatives available for the same purpose.

Key benefits of Video Surveillance over a Wi-Fi network:

- Provides extra 24x7 virtual eyes for police; increases efficiency and enables monitoring of more locations with same resources and faster response to problems
- Builds situational awareness; helps in tactical planning and remedial action for crimes in progress enabling first responders to be better prepared when they arrive at a location, reducing risk to life and property
- Enables live and recorded video images to be distributed to mobile responder units in the field and simultaneously to commanders at headquarters for improved communication and response planning
- Increases the safety of children in schools, providing visibility into suspicious activity on campuses and enabling faster response to situations
- Video can be used as forensic evidence, reducing court time and associated legal costs
- Quick set up and tear down of tactical surveillance networks around crime scenes, disaster zones and community events
- Acts as a virtual neighborhood watch protecting the community and serving as a strong deterrent to potential offenders

“The surveillance cameras are making a big impact. Many view the cameras as an extra officer”

Brad Goodman
Savannah GA Network Manager

MULTI-USE NETWORK

Tropos is the market leading Metro Wi-Fi 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 application, a single network can be designed to support a range of municipal applications such as;

- **Mobile public safety** – Enabling police, fire and emergency service personnel to effectively communicate and obtain information from the field.
- **Automated meter reading** – Remote monitoring of water, electric, parking and gas meters, providing fast alerts to problems and accurate meter readings in real time.
- **Mobile city workforce** – allows fast, easy access to records and filing of reports from anywhere around town, improving worker efficiency and productivity
- **Intelligent traffic system management** – replaces leased lines to traffic signals for centralized management and can also support video for traffic, red light runner monitoring.

“In the space of six months, the neighborhood’s murder rate was down 57% and auto thefts down 30 %”

Chris Drake
New Orleans Project Director



Tropos MetroMesh Solution Partners

- **Mobile Viewing Elements**
Panasonic
Data911
OnSSI
- **IP Cameras**
Axis
Panasonic
Sony
- **Video Servers**
Panasonic
Axis
Sony
- **Video Recording Software**
On Net Surveillance Systems

VIDEO SURVEILLANCE BUILDING BLOCKS

A Wi-Fi based video surveillance solution’s installation and operational costs are dramatically less the traditional alternative of analog cameras that require a dedicated leased line installed to each plus the monthly telecommunication costs. In addition to a highly reliable and scalable metro Wi-Fi network, Tropos has forged relationships with the industry’s leading solution partners creating an ecosystem for interoperability and ease of deployment. A typical video surveillance solution consists of:

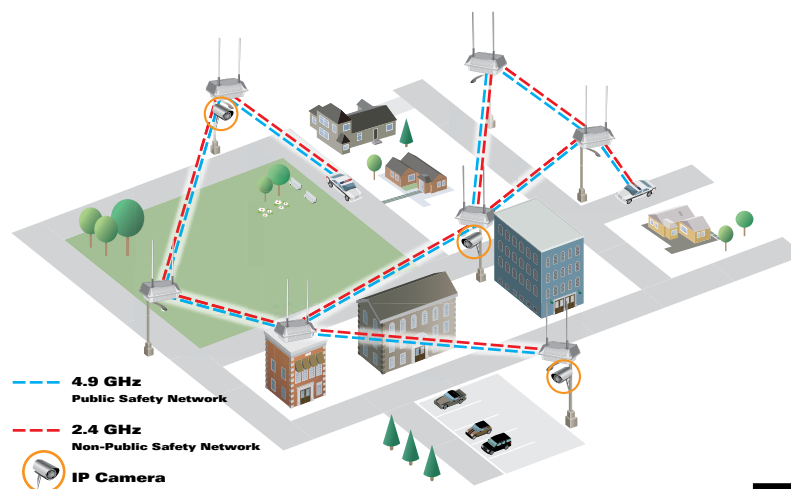
- IP cameras that generate digital video images
- Conventional analog cameras that are connected to the network through small, adjacent video server appliances to digitize the analog images
- Monitoring and recording software that performs software based digital video recordings (DVRs)
- Mobile viewing elements such as laptops and handhelds

Cameras mounted on emergency vehicles can also stream live images back to headquarters and to other mobile units. This helps in providing first hand visual awareness of an emergency situation to early responders and in other scenarios acting as additional vigilant eyes on the scene offering unprecedented officer and citizen safety.

Built with reliability and security in mind, Tropos networks can operate in both the 4.9 GHz band and 2.4 GHz. Industry’s leading routing algorithms allows for simultaneous dual paths in the network offering path redundancy and fault tolerance.

Customers using Tropos MetroMesh networks today for video surveillance include: Savannah, GA; Laguna Beach, CA

Tropos Metro-Scale Video Surveillance network



Tropos Technology Differentiators

- **System Scalability** - One, Two or Three radios
- **Flexibility** - Fixed and mobile routers
- **Reliability** - Always-on dual redundant paths
- **Dynamic Routing** - IP, RF and multicast
- **Mobility** - Seamless handoff without session disconnect
- **Management** - Powerful analysis and control tools

TROPOS
networks

555 Del Rey Avenue • Sunnyvale, CA 94085
phone 408.331.6800 • fax 408.331.6801
www.tropos.com • sales@tropos.com