



WiMAX

In Public Safety

Overview

Broadband support to public safety is a key element in any BTOP grant application. How will your broadband project support public safety? What public safety functions can your project support?

There have been numerous wireless and solar powered video surveillance solutions on the market over the last few years. The Really Wireless™ platform changes the equation for wireless video surveillance for a variety of reasons. This paper evaluates the systems and its practical application as well as the opportunities for self-sufficient wireless video surveillance via WiMAX.

Key Benefits

Grant writers will find unique applications in this document. WiMAX offers public safety agencies a number of tools such as immediately deployable video surveillance, field reporting and monitoring/metering support for vital utilities.

It is now possible to deploy "really wireless" remote video surveillance solutions at remote sites (construction projects, borders) where the power grid and telephone networks may not exist. New IP video surveillance cameras using H.264 technology provide high resolution imagery using one-fourth the bandwidth of conventional cameras. WiMAX provides an ideal wireless backhaul solution for those cameras given its qualities for security, quality of service (QoS), reliability, range and throughput. Solar power stations are inexpensive and easy to deploy and provide reliable power to both the security camera and the WiMAX subscriber device. Video surveillance over WiMAX services in US markets could be a \$3.6 billion market by 2014.

Target Audience

- BTOP grant applicants
- Public safety agencies at the federal, state and municipal level
- Public sector IT directors
- WiMAX vendors: this will prove to be a very lucrative niche market for those willing to focus on it and adjust their sales and marketing strategy accordingly
- Video encoding equipment vendors, including vendors of IP video surveillance products
- Federal, military, state and local governments (police and fire)
- Security service providers
- Network devices vendors: WiMAX deployments to service a \$3.6 billion market will drive demand for a wide range of network devices
- Insurance industry: How many billions of dollars in claims can be avoided via video surveillance via WiMAX? WiMAX vendors, start-ups, vendors, investors, and industry analysts



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About the Author



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His telecommunications career began with selling VoIP gateway switches for Netrix Corporation to long distance bypass carriers. He went on to promote softswitch solutions for Lucent Technologies (Qwest Account Manager) and Vsys (Western Region Sales Manager). His consulting clients include national governments and tier one telephone companies.

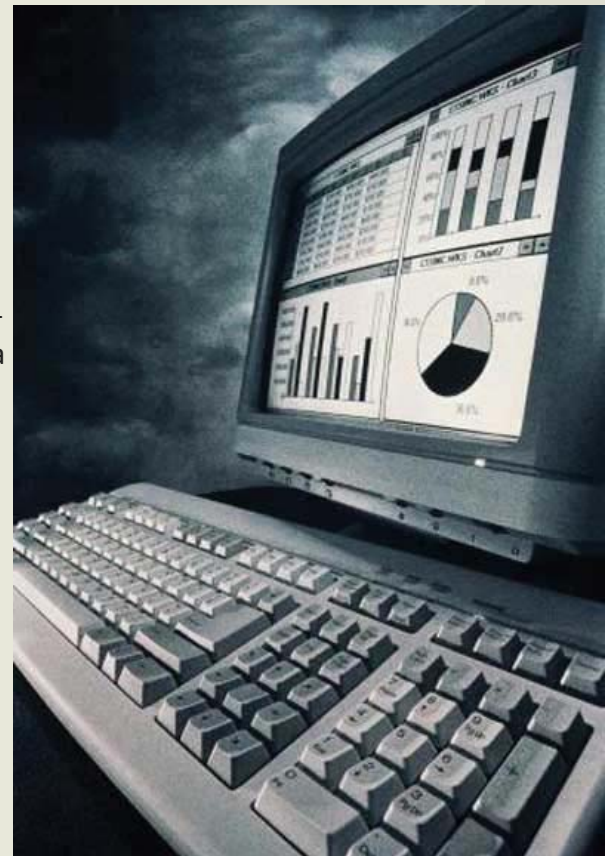
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