



Boundless Security Systems, Inc.

sharper images with better access and easier installation

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Boundless Security Systems, Inc., Announces New Tunneling Technology that Circumvents Blocking of Mobile Video Surveillance Camera Uploads on Wireless Networks

Newtown, CT, March 27, 2007 -- Boundless Security Systems, Inc., www.BoundlessSecurity.com, announces that it has developed new tunneling technology that enables operation of Boundless' comprehensive, advanced IP-based, ultra low bandwidth, outdoor, mobile and temporary digital video surveillance systems on "blocked" wireless networks that do not otherwise permit remote access to video surveillance cameras and systems within them. Examples of blocked wireless networks include some of the world's largest cellular and satellite networks, as well as increasingly popular, city-scale WiFi mesh networks, and hundreds of thousands of WiFi hotspots.

"Operators of wireless networks must protect their networks from excessive traffic to provide adequate service to all users. Most wireless operators try to protect their uplink connections to the Internet by writing contracts with end-users that prohibit bandwidth-hogging, video streaming uploads. Some wireless providers go a step further and, like operating pay phones that allow outgoing calls to be made but block incoming calls, configure their wireless networks to block incoming connections to servers inside their network," says Steve Morton, CEO and CTO of Boundless Security Systems, Inc. "Wireless networks span the globe, the need for outdoor, mobile and temporary digital video surveillance is widespread and growing, and more and more wireless operators are moving to further protect their networks from abuse. Boundless has responded by developing new tunneling technology that, combined with its

unique, ultra low bandwidth, bandwidth-saving, video-on-demand technology, not only enables full operation of its comprehensive, digital video surveillance system on wireless networks that block others, but also avoids the high bandwidth that causes problems for network operators.”

“Boundless’ ultra low bandwidth is a critical element,” says Morton. “Outdoor video surveillance is a communications problem *first*, and a video problem *second*. Our new tunneling technology circumvents the most common way that routers for wireless networks are configured to block incoming network traffic to servers. Since we use multiple techniques, not just advanced compression, to provide ultra low bandwidth video surveillance, IT directors don’t need to worry about Boundless’ flooding their wireless networks.”

In addition, Boundless’ new tunneling technology, when used with certain third-party, multi-wireless-network routers, also dynamically enables the fastest available wireless network to be used for accessing live and recorded video from Boundless’ mobile, *Multi-Stream Video Servers*. Boundless enables widely available, but relatively slow, cellular and satellite networks to be used in the countryside to remotely access its live and recorded video, and faster WiFi mesh networks to be automatically and seamlessly used in depots, garages, parking lots, stations and terminals to rapidly access large amounts of its recorded video for archival purposes.

Boundless’ new tunneling technology also avoids many tedious network configuration steps required to use conventional video surveillance cameras, video servers and digital video recorders on both wired and wireless networks. Such configuration problems are particularly severe in enterprise-class applications, such as for buses, emergency vehicles, police cars, and train cars, when one desires real-time remote access to mobile, roaming video cameras and video servers in the countryside, and then faster access whenever the equipment is temporarily within range of any of a multitude of WiFi hotspots.

Background

Boundless Security Systems, Inc., www.BoundlessSecurity.com, is a privately held, woman-owned small business. Boundless specializes in outdoor video surveillance, where communications bandwidth is precious. Boundless’ core technology is its proprietary, patent pending software, which Boundless provides turn-key, installed and configured on Linux x86 computers. Boundless’ ultra low bandwidth, advanced IP-based (not conventional IP-based), digital video surveillance system has been used with cellular networks on four continents, and in mobile applications using cellular networks on three continents.

Steve Morton is a serial entrepreneur and has a BSEE '71 and a MSEE '72 from MIT. He has 35 years' experience developing computer systems, 20 years' experience in digital imaging, and 15 years' experience developing mission-critical communications systems. He has been awarded more than twenty US patents and has a special interest in the use of digital imaging for public safety.

Illustrations and Photos Available On-line:

1. Block diagram and technical overview: *Advanced* IP-Based, Ultra Low Bandwidth, ***Boundless Security System™*** Automatically Tunnels Through Routers and Provides Wireless, Mobile, Roaming Video Servers with Cross-Network Connectivity:

http://www.BoundlessS.com/documents/Boundless_Auto-configuring_Wireless_Digital_Video_Surveillance.pdf

2. Photo of Boundless' ultra low bandwidth, multi-function, ***Multi-Stream Video Server™ Subminiature*** with Battery Power Option:

[http://www.BoundlessS.com/images/Boundless_ultra_low_bandwidth_Multi-Stream_Video_Server_Subminiature_front_\(C2005\).jpg](http://www.BoundlessS.com/images/Boundless_ultra_low_bandwidth_Multi-Stream_Video_Server_Subminiature_front_(C2005).jpg)

3. Screen capture shot from Boundless' ***Control Panel*** client live and recorded viewing and searching software: http://www.BoundlessS.com/images/Boundless_live_in-car_mobile_video_screenshot_052006-08.jpg

4. Photo of Steve Morton, Boundless' CEO, CTO and system architect:
[http://www.BoundlessS.com/images/Boundless_Steve_Morton_\(C_Nov2003\).jpg](http://www.BoundlessS.com/images/Boundless_Steve_Morton_(C_Nov2003).jpg)