



# Boundless Security Systems, Inc.

*the communications bandwidth experts*

Press Release for Immediate Release

## Boundless Security Systems' Ultra Low Bandwidth, *Nail-and-Go*<sup>™</sup> Digital Pole Camera System-in-a-Box Avoids Flooding Cellular Networks in Emergencies

Newtown, CT, Jan. 27, 2009 – Boundless Security Systems, Inc., [www.BoundlessSecurity.com](http://www.BoundlessSecurity.com), announces that its new, ultra low bandwidth, *Nail-and-Go*<sup>™</sup>, multi-camera, pole camera system-in-a-box avoids flooding cellular networks with video, and works where other systems cannot. It enables comprehensive, temporary, multi-camera, outdoor digital video surveillance to be installed quickly and easily in times of emergencies without hogging scarce wireless cellular bandwidth. It provides remote monitoring and control digitally via the Internet and even works over severely degraded and damaged, wireless wide area networks.

“Emergency response personnel need to see what’s going on, over a wide area, to quickly assess complex, fluid situations, and quickly, adequately, and properly respond,” says Steve Morton, CEO and system architect of Boundless Security Systems, Inc. “We believe that bandwidth is precious, and have built the *Nail-and-Go*<sup>™</sup>, an outdoor, digital video surveillance system-in-a-box to work where other systems cannot. The *Nail-and-Go*<sup>™</sup> not only avoids flooding cellular and other wireless wide area networks with video, but can operate over severely degraded and damaged wireless, wide area networks. We thought cellular uplink speeds of 9.6 Kbps in central Africa were slow, but our equipment has been used over the worst cellular network we’ve seen

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on five continents, which was outside of Philadelphia ! That network had been damaged by ten days of torrential rains, and provided an uplink speed of only 4 Kbps – a few percent of normal.”

“There are many challenges to quickly setting up and remotely operating digital video surveillance systems outdoors in time of emergencies, as well as to conducting brief surveillance operations to catch drug dealers,” says Morton. “First, you want as few things as possible to carry and connect. Second, equipment needs to be designed for quick and easy installation on utility poles and even trees, by a minimum of people with a minimum of tools. Third, you want to minimize the amount of existing infrastructure that needs to be operational, especially power and wide area communications networks. Fourth, you want the equipment to be rugged and weatherproof so it can stand up to hot and cold, high humidity, salt fog, driving rain and snow, and strong wind. Fifth, you want it to give you wide-angle situation assessment views, so you can quickly see where to look further, and you also want it to enable you to simultaneously select and get those close-ups for details, even in poor light.”

Boundless’ ultra low bandwidth, weatherproof, outdoor, *Nail-and-Go*<sup>™</sup> has two, semi-covert, built-in cameras (a wide angle camera for situation assessment, and a pan-tilt-zoom camera for remotely selected close-ups), internal continuous digital video recording with better quality than can be sent live, and up to nine different, live and recorded digital video streams for each camera to handle a 100:1 range of wide area communications network speeds. It uses bandwidth-saving, video-on-demand, with near-camera recording, not bandwidth-hogging, video streaming with distant recording. It has two slip-resistant brackets that can be fastened to poles and trees using quick-connect, stainless steel band clamps. It has a wide voltage range, DC power converter and

can be powered briefly by large external batteries. When equipped with a cellular modem, it can be remotely viewed and controlled digitally anywhere via the Internet – out of harm’s way, rather than being limited to a few hundred foot viewing distance. Everything is built in except for a power source. With the use of Boundless’ optional Tunneling Broadcast Server, many first-responders can see the same live and/or recorded video simultaneously without adding any additional burden its wireless uplink. And, with Boundless’ ultra low bandwidth, many cameras can be placed throughout the footprint of the same cell phone tower, without hopelessly overloading the network, so fluid situations over large areas can be surveyed in real time.

**Photo**



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(at left) Boundless’ ultra low bandwidth, outdoor, *Nail-and-Go™*, digital pole camera system-in-a-box, with remote monitoring and control via the Internet, temporarily mounted in a maple tree, [www.BoundlessSecurity.com/images/BSSI\\_Nail-and-Go\\_on\\_tree\\_closeup\\_IMG\\_0164\\_\( C \) 2009.jpg](http://www.BoundlessSecurity.com/images/BSSI_Nail-and-Go_on_tree_closeup_IMG_0164_(C)_2009.jpg) [no spaces]

**Background**

Boundless Security Systems, Inc., [www.BoundlessSecurity.com](http://www.BoundlessSecurity.com), is a manufacturer of ultra low bandwidth, digital video surveillance systems. Boundless is a woman-owned small business founded in 2003. Boundless specializes in outdoor, mobile and temporary applications over wireless wide area networks, where bandwidth is precious. Boundless’ equipment has been used

on five continents, with wired and wireless Internet connections, using cellular, satellite and WiFi wireless wide area networks.

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