Boundless Security Systems, Inc.

the communications bandwidth experts

Press Release for Immediate Release

Boundless Security Systems, Inc., Develops the ***Nail-and-Go™,*** First ULTRA Low Bandwidth, Cellular Wireless Pole Camera SYSTEM

Newtown, CT – Boundless Security Systems, Inc., www.BoundlessSecurity.com, announces that it has developed the ***Nail-and-Go™,*** the first ULTRA low bandwidth, cellular wireless pole camera SYSTEM for temporary outdoor digital video surveillance. This comprehensive new turnkey digital system has two built-in cameras to provide global views and close-up views simultaneously, and optionally supports two additional, external cameras. It provides live video from all four cameras simultaneously via the Internet, continuously internally records better video than can be sent live, avoids flooding cellular data networks with video, and enables many cameras to be used in a city neighborhood. It uses bandwidth-saving video on demand with reliable, continuous, near-camera digital recording of many video streams at different resolutions, frame rates and data rates for every camera, rather than bandwidth-hogging video streaming with unreliable central recording of a single video stream.

"Many law enforcement people have told us that crime moves around, and they need the ability to quickly put up a video surveillance system outdoors, use it for a day or two, and then move it somewhere else," says Steve Morton, Boundless' CEO and CTO. "They need wireless access and don't want to station an officer near each temporary installation because it's too dangerous

to the officer, uses too much scarce and expensive manpower, and exposes their operation. Cellular data networks are available almost everywhere, are increasing in speed, are secure, and are the wireless network of choice. Many mistakenly believe continuously streaming live video from an IP camera over a cellular network to central monitoring and recording is the answer."

"Cellular companies have been telling consumers that wireless data transmission using their networks is getting fast enough to match wired data transmission. As a result, it is becoming increasing popular for law enforcement agencies to connect an IP video camera to a cellular modem, install it on a utility pole, and monitor and record it remotely for temporary video surveillance via the Internet," says Morton. "Unfortunately for the rest of us, not to mention the cellular companies, cellular networks were not meant for continuous streaming of massive video feeds, and the quality of service for all users in the cell suffers. A cellular wireless network is called that for a reason. It's because there's only a limited amount of capacity on the airwaves within a geographic region, or cell, surrounding a cell phone tower, and there's only a limited amount of capacity to send users' data to and from that cell to other cells and ultimately, the Internet. Unfortunately for law enforcement, they can easily exceed their monthly cellular data allocation in only a day or two, the quality of video they can record centrally is poor and erratic, and the number of cameras they can place in a given geographic area is small."

Boundless' new, ultra low bandwidth, ***Nail-and-Go™,*** outdoor digital

video surveillance system solves these problems. It is a turnkey solution that can be installed quickly on a utility pole or on the side of a building. The system has two built-in cameras -- a PTZ camera for closeups and an ultra wide angle camera for global views, the optional ability to handle two additional, external cameras, continuous internal digital video recording of all cameras as well as live and recorded digital video at many resolutions, frame rates and data rates for every camera, searching of hours of video for motion in seconds, and optional notification of zoned movement without e-mail delays. It also has Boundless' power and thermal management systems, and an optional industrial grade, AirLink Sierra Wireless Raven-X or PinPoint-X cellular data modem that can be selected to use any one of the common cellular providers. Boundless' optional Battery Box Set, with high capacity batteries supplied by the user, can power the system so no wired connection of any kind is required.

Photos

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Boundless' ***Nail-and-Go™,*** ultra low bandwidth, digital pole camera system on a telephone utility pole, http://www.BoundlessSecurity.com/images/Boundless_Security_Nail-and-Go_on_pole_at_angle_DCFN00024_(C)2007.jpg

Boundless' ***Nail-and-Go™,*** ultra low bandwidth, digital pole camera system and Battery Box Set on a telephone utility pole,

http://www.BoundlessSecurity.com/images/Boundless_Security_Nail-and-Go_on_pole_with_Battery_Box_Set_PA213920_(C)2007.jpg

Steve Morton,

http://www.BoundlessSecurity.com/images/Boundless_Security_Steve_Morton_(C)2003.jpg

Technical Details and Block Diagrams

Please see: www.BoundlessSecurity.com >> Wireless >> Cellular >> Ultimate Pole Camera System: Turn-Key Boundless' ***Nail-and-Go™*** Provides Two- to Four-Camera, Wireless, Cellular, Outdoor, Ultra Low Bandwidth, Digital Video Surveillance Pod

Contact Information for Editors

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Background

Boundless Security Systems, Inc., www.BoundlessSecurity.com, is a privately held, woman-owned, small business. Boundless specializes in outdoor digital video surveillance, where communications bandwidth is precious. Boundless was formed in response to the 9-11 terrorist

attacks. Steve Morton, Boundless' CEO and CTO, used his telecommunications background from ITT and MIT to assess the ability of public wireless data networks to carry digital video surveillance for outdoor, mobile and temporary applications. He concluded that conventional "low bandwidth" surveillance video, that requires several million bits per second -- albeit only a small fraction of the data rate of raw standard definition digital video, was still 10 to 100 times faster than could reasonably be carried by those networks, and that those networks were intended only for short bursts of data, not massive continuous video streams. He then architected and developed the ultra low bandwidth, Boundless Security System™ that requires only a few percent of the bandwidth of others' so-called "low bandwidth" systems.

Steve Morton is a serial entrepreneur and has a BSEE '71 and 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 20 patents and has a special interest in digital imaging for public safety.

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