



# Boundless Security Systems, Inc.

*sharper images with better access and easier installation*

For Immediate Release

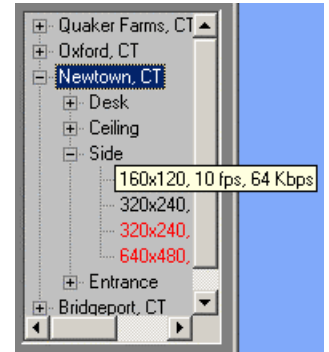
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Steve Morton is available for interviews



## **New Digital Video Management System Solves the Network Bandwidth Problem**

Newtown, CT, March 25, 2005 – Boundless Security Systems, Inc.,

[www.BoundlessS.com](http://www.BoundlessS.com) (three S's) announces the release of a new digital video management system that solves the network bandwidth problem inherent in conventional systems. The company's new *Boundless Security System™* provides multiple MPEG-4 video streams simultaneously for each camera, with different resolutions, frame rates, compression parameters, data rates, and IP-addresses. As a result, digital video surveillance systems can now simultaneously provide sharp recorded images and long storage duration for investigations, smooth-motion video for on-site monitoring via a local area network with minimal impact upon corporate use of the network, and low data rates for remote access via the Internet.

Digital video surveillance systems are being installed everywhere to battle crime and help fight the war on terror.

“Unfortunately, the need for sharp images for investigations, with a large amount of data per frame, competes with the needs of first-responders and monitoring companies to access the images remotely at low data rates, while providing high frame rates to capture rapidly changing events. Digital video recorders are best-suited for local viewing. Conventional IP-based video systems are better suited for networked viewing but often require so much data that a dedicated network is needed for video,” says Steve Morton, CEO and CTO of Boundless Security Systems, Inc., in Newtown, CT. “The fundamental problem is how to simultaneously satisfy the competing needs for high image quality, long storage duration, low bandwidth communications, and versatile display-formatting with low CPU requirements.”

“Digital video recorders are a step up the evolutionary chain from video cassette recorders and are familiar to many,” says Morton, “but have only a single digital video stream per camera. If you want the sharpest images at highest resolution, each frame can take several

seconds to send via the relatively slow up-link speeds of inexpensive, DSL and cable broadband connections to the Internet. Many were intended for standalone use, with a dedicated analog video monitor, and network connectivity was added as an afterthought. Network cameras and network video recorders are a new generation of video systems. They are gaining popularity for their improved connectivity and ability to use network infrastructure, but often cause system-level problems. Many IT managers are justifiably concerned about their high video traffic interfering with core enterprise applications and flooding their Internet up-links, and either avoid them, install a dedicated network for video, or choose digital video recorders instead.”

The ***Boundless Security System™*** from Boundless Security Systems, Inc., is a new solution to these complex problems. It is an MPEG-4, digital video management system for both CCTV and IP cameras. It satisfies competing requirements for sharp images and long storage duration for investigations, smooth motion for monitoring via a LAN, low data rates for Internet access, and low CPU requirements for display. It is a new type of IP-based system that avoids flooding the network with video or requiring a dedicated network for video. It economically provides comprehensive live, recorded, and search capabilities via a LAN. It combines the familiarity of digital video recorders with the high connectivity and scalability of IP-based systems. It has special features for remote monitoring including attention-grabbing ***Live Alerts™*** and embedded access control data. It is sold turn-key on Linux computers, with local and remote viewing on Windows PC's, or software-only to OEM's.

### **Background**

Steve Morton is the CEO and CTO of Boundless Security Systems, Inc., [www.BoundlessS.com](http://www.BoundlessS.com) (three S's) in Newtown, CT. He is the architect of the company's ***Boundless Security System™***, an inherently networked, digital video management system that solves the network video bandwidth problem. The system relies on proprietary software developed by the company and that runs on industry-standard computers.

Morton has a BSEE '71 and MSEE from MIT. He has 35+ years' experience as a computer systems architect, and 15+ years' experience in digital imaging. He has a special interest in the use of digital imaging for public safety, and has been awarded more than 20 patents. He is a charter member of the Homeland Security Industry Association (HSIA) in Washington, DC, and is a member of its policy forum on airport security. He was widely interviewed in 1998-99 when he championed a child-safety device that used digital imaging.

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