



# Boundless Security Systems, Inc.

*sharper images with better access and easier installation*

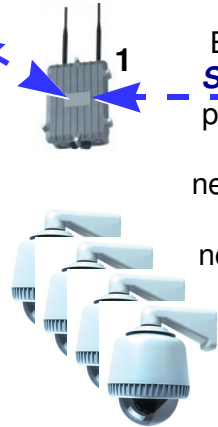
© 2006 Boundless Security Systems, Inc. (BSSI)

3 Simm Lane, Unit #1F • Newtown, CT 06470 USA

tel. 203-445-0562 • fax 203-445-0564

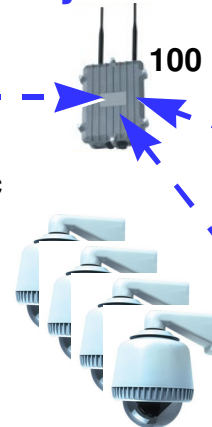
sales(at)BoundlessS.com • www.BoundlessS.com

## CONCEPT: Ultra Low Bandwidth, Multi-Stream, *Boundless Security System™* Provides Intelligent, Video Surveillance for SCADA Systems for Transmission Lines



Boundless' ultra low bandwidth video and Cyber-secure, ***Stealth Web Site*** technology with encrypted VPN tunnels provide secure outdoor video surveillance of transmission lines over public and private narrowband wireless networks. Individual cellular data connections with dynamic IP addresses, and daisy-chained, serial WiFi mesh networks linking dozens or more towers can be used. Live video data rates are as low as 4 Kbps.

Four day/night CCTV cameras give continuous north, south, east and west video images for continuous, omni-directional, situation awareness.



Boundless' ***Broadcast Server*** on Internet



Onsite Repair Crew



Distant Command and Control Center with ***Live Alert*** (yellow) detected



Boundless' ultra low bandwidth, multi-function, x86 Linux-based, ***Multi-Stream Video Server Subminiature*** provides video acquisition, MPEG-4 compression, multiple different simultaneous internal video streams per camera, internal recording, intelligent event detection and notification, intelligent searching, and communications. The quality of recorded video is independent of the quality of live video.



Boundless' multi-function, ultra low bandwidth, ventless ***Multi-Stream Video Server Subminiature*** reduces wireless video traffic 100-fold. It supports four CCTV cameras for complete situation awareness. Each ***Multi-Stream Video Server*** provides live and recorded video, intelligent motion detection with ***Live Alerts***, and powerful motion search of recorded video with ***Rapid Remote Review***, for all cameras simultaneously. Even the slow speed provided by a daisy-chain of 100 wireless clients in series, or individual cellular data links with weak signals, can provide real-time, continuous panoramic video to distant command and control centers. Multiple different digital video streams are produced and recorded *within* each ***Multi-Stream Video Server*** for each camera to satisfy competing needs for sharp images for investigations, smooth motion for fast action, and fast communications for situation assessment and event/alarm verification. Hundreds of live and/or recorded *situation assessment streams*, dozens of *monitoring streams*, or several *investigations streams*, can be seen simultaneously remotely via the Internet, or locally via the nearest tower-mounted, wireless client.



Boundless' low power, 10 to 16 VDC, wide-temperature design can be powered by solar panels with battery backup.



Multiple simultaneous video resolutions, frame rates and data rates optimize communications and speed verification of events / ***Live Alerts***. All video streams are available both live and recorded from Boundless' ***Multi-Stream Video Server***.

Aug. 4, 2006

