



Boundless Security Systems, Inc.

sharper images with better access and easier installation

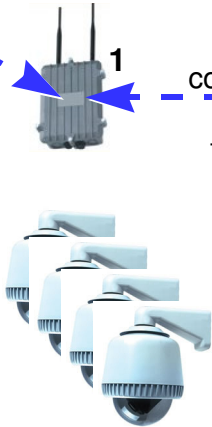
© 2006 Boundless Security Systems, Inc. (BSSI)

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

203-445-0562 • fax 203-445-0564

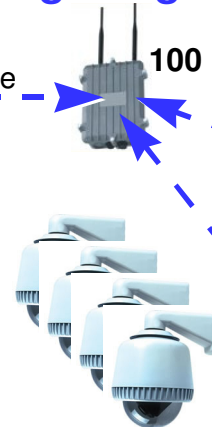
sales(at)BoundlessS.com • www.BoundlessS.com

CONCEPT: Ultra Low Bandwidth, Multi-Stream, *Boundless Security System™* Provides Intelligent Transmission Tower Video Surveillance Using Long-Range Serial Wireless Mesh Networks



Boundless' ultra low bandwidth enables wireless communications from 100 electric transmission towers to be daisy-chained over rolling terrain using an inexpensive, fault-tolerant, serial WiFi wireless mesh network. Towers every 1/2 mile give 50 miles of continuous video surveillance between direct connections to the Internet, avoiding expensive microwave video links.

Four color day/night PTZ 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 video streams per camera, internal recording, intelligent event detection and notification, intelligent searching, and communications. Boundless' distributed **Storage Operating System™** provides exabyte-class storage management.



Boundless' multi-function, ultra low bandwidth, fanless **Multi-Stream Video Server Subminiature** reduces wireless video traffic 100-fold. It supports four day/night PTZ 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 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**.

Feb. 20, 2006

