



Boundless Security Systems, Inc.

sharper images with better access and easier installation

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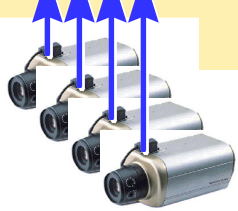
Ultra Low Bandwidth, *Boundless Security System™* with Cellular Communications Enables Utility Companies to Remotely Assess Situations and Improve Emergency Response



Cellular Wireless Modem (1xRTT, EVDO, EDGE, GSM, GPRS...) with GPS locator

Multiple different digital video streams and recording internal to **Multi-Stream Video Servers** avoid heavy continuous traffic on wireless networks. Live and recorded video traffic is only on demand. A mere 128 Kbps uplink can carry 4 live video streams at once from a stationary vehicle. Any broken wireless video connections are automatically re-established for moving vehicles.

Boundless' ultra low bandwidth, multi-function, **Multi-Stream Video Server Subminiature** provides a mobile **video base station** in each vehicle. It provides *continuous* video digitizing and internal recording for four CCTV cameras, MPEG-4 compression, multiple different video streams per camera, post-recording searching with new motion parameters, and communication of live and recorded video on demand.



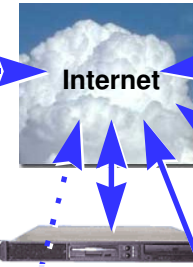
One to four CCTV cameras on vehicle. An analog wireless camera on worker can give remote live closeup of service area. When vehicle is stationary, **Multi-Stream Video Server** can watch for motion in user-selected areas, and give a **Live Alert**.

Multiple simultaneous video streams per camera, with different resolutions, frame rates and data rates, optimize video images for situation assessment, monitoring and investigations, and for moving and stationary vehicles. Three resolutions are provided simultaneously for each Standard Definition CCTV camera.



VGA, QVGA, QQVGA

Nov. 15, 2006



Streaming Server provides video selected by Dispatcher to hundreds of handhelds, of various types, simultaneously.

Boundless' **Name Server** resolves dynamic IP addresses used by **Multi-Stream Video Servers**. Customers can operate their own Boundless **Name Server** if desired, providing additional protection from Cyber Denial of Service attacks.



Mobile teams view live or recorded video selected by Dispatcher on Pocket PC, Treo, BlackBerry, selected cell phones.



Wireless laptops with Boundless **Control Panel** client viewing and searching software access Boundless **Multi-Stream Video Servers** for live video and recorded video, and to search recorded video. A **Live Alert** is shown (yellow). Or, live and recorded video selected by Dispatcher can be viewed in a web page with a Web browser and Windows Media Player.



Command Center with Boundless' **Broadcast Control Panel** client viewing, searching and broadcast transcoding software on Windows PC's. Dispatcher selects live or recorded video for viewing on handheld devices by mobile forces.