



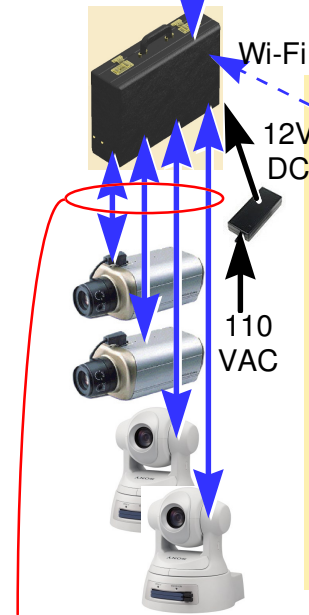
Boundless Security Systems, Inc.

the communications bandwidth experts

© 2008 Boundless Security Systems, Inc. (BSSI)
3 Simm Lane, Unit #1F • Newtown, CT 06470 USA
tel. 203-445-0562 • fax 203-445-0564
www.BoundlessSecurity.com

Boundless' Tote-and-Go™ Provides Ultra Low Bandwidth, Four-Camera, Portable, Covert, Mobile, Wireless Digital Video Surveillance Base Station Using Cellular Internet Communications

Cellular and WiFi antennas are concealed inside leather briefcase



Opt. 5.4 GHz wireless video Tx/Rx (not supplied) and 2.4 GHz WiFi PTZ control



VGA, QVGA, QQVGA

Jan. 28, 2008 Preliminary

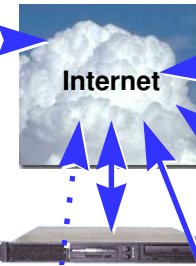
Live video from 4 cameras at once on one 3G cellular uplink

Not bandwidth-hogging video streaming with unreliable central recording, Boundless' many different digital video streams, continuous recording in **Tote-and-Go™**, and bandwidth-saving, video-on-demand, record better video internally than can be sent live, avoid heavy continuous traffic on cellular networks, and increase the number of cameras that can be used in a neighborhood. A mere 128 Kbps uplink can carry 4 live video streams.

Boundless' ultra low bandwidth, many-function, advanced IP-based, **Tote-and-Go™** is a digital video base station in a briefcase / attache case that communicates via the Internet. It provides live and recorded, MPEG-4 IP-video with three resolutions per camera simultaneously, Network Video Recorder, and motion search engine in one compact, covert unit. It provides video digitizing and continuous internal recording with up to eight different IP-video streams *per camera*, post-recording searching with new motion parameters, **Live Alerts** zoned motion detection (opt), and communication of live and recorded video only on demand. Built-in 3G cellular router provides Internet communications. Optional internal secured WiFi access point provides nearby laptop PC's with high speed local access to internal digital video system without accessing Internet.

Four fixed or PTZ CCTV cameras (not provided) send video to Boundless' **Tote-and-Go™** (AC reqd), which provides 12 VDC power and PTZ control. IP-PTZ cameras, e.g., Sony SNC-RZ30N, with analog composite video output, can be used. User provides cameras, 3G PC card, cellular service.

Internal Boundless' **Multi-Stream Video Server** creates many simultaneous video streams per camera, with different resolutions, frame rates and data rates, optimizing communications and video for live and recorded remote viewing for **situation assessment**, **monitoring** and **investigations**, and for uploading video *from* moving and stationary vehicles and cameras.



Streaming Server provides video selected by Dispatcher to hundreds of handhelds simultaneously (opt).

Boundless' **Name Server** resolves dynamic IP addresses used by **Multi-Stream Video Servers**. Or, Boundless' **Tunneling Broadcast Server** supports **Live Alerts**, dynamic IP addresses and non-routable networks, and enables many to view same stream in **Control Panel** simultaneously without burdening slow uplinks.



Mobile teams view live or recorded video selected by Dispatcher on Pocket PC, Palm Treo, and like handheld devices that support Windows Media Player. PTZ can also be controlled.



Mobile Command Center

Wireless laptops with Boundless **Control Panel** client viewing and searching software access Boundless **Multi-Stream Video Servers** for live and recorded video, and to quickly search recorded video. Dozens of cameras can be viewed simultaneously with only a few hundred (total) Kbps of downlink. Opt. **Live Alert** (yellow) shown.



Command Center with Boundless' **Broadcast Control Panel** client viewing, searching and transcoding software (opt) on PC's. Dispatcher selects live or recorded video for viewing by mobile teams. User supplies secure web page for access.