



Boundless Security Systems, Inc.

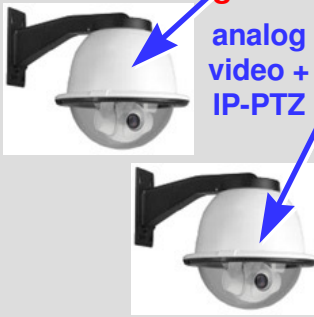
the communications bandwidth experts

© 2007 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

Ultimate Pole Camera System: Boundless' *Nail-and-Go*TM Provides Two Internal Cameras and Also Enables Two External Sony SNC-RZ30N IP-PTZ Cameras to be Used, All at Ultra Low Bandwidth

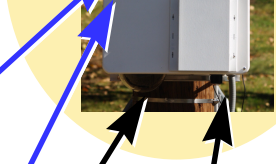
Quality video from IP cameras requires too much bandwidth and too much data per month for cellular IP-data networks, violating carriers' fair use policies. However, IP-PTZ cameras can be used effectively if they have an analog composite video output and it is connected to a Boundless *Nail-and-Go*TM. The *Nail-and-Go*TM digitally records analog video internally continuously and provides digital live and recorded video at ultra low bandwidth.

Two optional external PTZ IP-Cameras (Sony SNC-RZ30N or like) in outdoor housings



User-supplied enclosed, AC / 12 VDC power supply or large batteries in optional outdoor housings (not to scale)

Sun-rated white fiberglass box



Built-in PTZ camera
Built-in ultra wide angle camera



VGA, QVGA, QQVGA

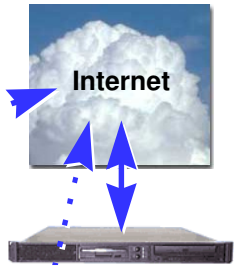
Internally recorded video is sharper than can be sent live and avoids flooding wireless networks with continuous video

Boundless uses bandwidth-saving video-on-demand with near-camera recording, not bandwidth-hogging video streaming with central recording. Multiple different digital video streams and recording internal to *Nail-and-Go*TM provide much better recorded video than can be sent live and avoid heavy continuous traffic on cellular wireless networks. A mere 128 Kbps EVDO uplink can carry 2 live QVGA video streams simultaneously at 5 fps. **Instant Replay** enables users to quickly remotely select and upload exact segments of highest quality recorded video for sharpest video.

Boundless' *Nail-and-Go*TM with Two Built-In Cameras Can Also Handle Two External Fixed or PTZ Cameras

Weatherproof system contains an internal, ultra low bandwidth, advanced IP-based, Boundless *Multi-Stream Video Server*, a fixed camera with ultra wide angle lens to give users situation awareness to help aim the PTZ camera, a PTZ camera, 2 opt. unused video inputs, and a cellular modem. It is a wireless, turn-key, cellular digital video surveillance, pole camera system that can be set up in minutes and monitored remotely via the Internet. Video from all cameras is digitized and continuously recorded internally with three resolutions using MPEG-4. Rapid search for motion with post-recording specification of motion parameters is provided. Optional **Live Alerts** give automatic detection and prompt notification of zoned motion. Box approx 18x20x9 inches.

Internal Boundless *Multi-Stream Video Server* creates five to nine internal IP-video streams *per camera* simultaneously, with different resolutions, frame rates and data rates, optimizing video for live and recorded remote viewing for **situation assessment, monitoring and investigations**. Three resolutions are produced simultaneously for each of two to four cameras. Internal search engine searches hours of recorded video for motion in seconds, using post-recording search parameters.



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 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.