



Boundless Security Systems, Inc.

the communications bandwidth experts

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Pole-Mount Camera System: Boundless' *Outdoor View™* with Two Built-In PTZ Cameras Provides Easy to Use, Ultra Low Bandwidth, Covert, Wireless, IP-Digital, Video Surveillance System-in-a-Box

Rustproof box with two-way mirror conceals cameras without causing image graininess. Unique thermal management system with dual-chamber heat exchanger and salt-fog-rated external fan provides wide temperature range and operation in 100% rel. humidity.

Internally records sharper video than can be sent live and helps avoid over-limit communications charges and service termination.

Boundless uses bandwidth-saving video-on-demand with near-camera recording of many different video streams, not bandwidth-hogging video streaming with central recording of one stream. Many different video streams and recording internal to *Outdoor View™* provide better recorded video than can be sent live and avoid heavy continuous traffic on wireless IP-networks, enabling use of many cameras per neighborhood. A mere 128 Kbps EVDO uplink carries live QVGA video streams for both cameras at 5 fps.

Outdoor View™ with Two Covert PTZ Cameras Gives Wide-Angle Situation and Closeup Views at Same Time Solving the *Where do I Point the Camera?* Problem

Weatherproof IP-based system has two internal concealed PTZ cameras, network video recorder (NVR), many-diverse-stream video communications system, and industrial grade cellular modem (opt). It contains Boundless' ultra low bandwidth, *Multi-Stream Video Server*, providing a wireless, turn-key, digital video surveillance, covert pole-mount camera system that can be set up in minutes and monitored remotely via the Internet even when cellular networks are congested or damaged. Rapid search for motion with post-recording selection of motion parameters is provided. Hours of video can be searched remotely in seconds. Boundless' opt. tunneling and VPN for CJIS provide revokable security certificates, encryption, IP-identity concealment and protection from Cyber attacks. Box approx. 16x13x8 in.

Internal Boundless' *Multi-Stream Video Server* creates three to eight 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 one of the internal cameras. Live video can be viewed remotely with as little as 8 Kbps.

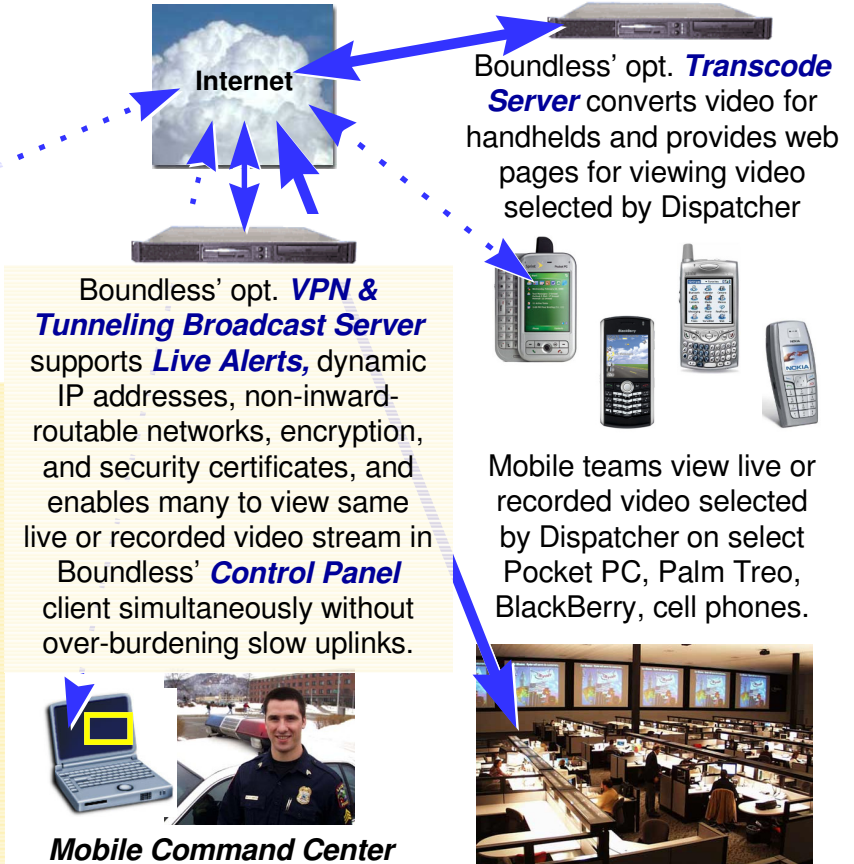


Two concealed PTZ cameras with up to 36X optical zoom



VGA, QVGA, QQVGA

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Boundless' opt. *Transcode Server* converts video for handhelds and provides web pages for viewing video selected by Dispatcher

Boundless' opt. *VPN & Tunneling Broadcast Server* supports *Live Alerts*, dynamic IP addresses, non-inward-routable networks, encryption, and security certificates, and enables many to view same live or recorded video stream in Boundless' *Control Panel* client simultaneously without over-burdening slow uplinks.



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



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. Two dozen cameras can be viewed simultaneously at 10 fps/camera with only a 800 Kbps downlink. Opt. *Live Alert* (yellow) shown.



Command Center with Boundless' *Broadcast Control Panel* client viewing, searching and transcoding software on PC's. Dispatcher selects live or recorded video for viewing by mobile teams on handheld devices. Laptops can also view selected video in Windows Media Player or web browser.