



Boundless Security Systems, Inc.

the communications bandwidth experts

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Pole Dual-Camera System: Boundless' *EconoView™* with Built-In PTZ and Fixed Cameras Provides Easy to Use, Ultra Low Bandwidth, Covert, Wireless, Turn-key, Video Surveillance System-in-a-Box

Turn-key system internally records video more sharply and consistently, and with far higher frame rate than can be sent live.

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 turn-key *EconoView™* provide better recorded video than can be sent live, enable using many nearby cameras, and avoid heavy continuous traffic on wireless IP-networks and missed recording of critical events, without needing a central recording server.

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

Outdoor system has two internal concealed cameras, network video recorder, many-diverse-stream video communications system, and cellular router (3G card and service r'q'd). It contains Boundless' ultra low bandwidth, *Multi-Stream Video Server*, providing a turn-key, wireless, digital video surveillance, covert pole dual-camera system that can be set up quickly and monitored remotely via the Internet even when cellular networks are congested or damaged. Optimized PTZ control has sub-second latency. Pressure-relieved, sealed magnetic hard drive provides long video storage economically, and avoids air-borne moisture and contaminant problems. Hours of video can be searched in seconds, and motion search parameters can be specified after video is recorded.

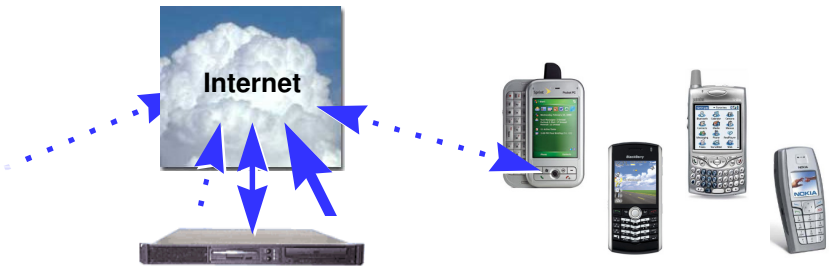
Internal Boundless' *Multi-Stream Video Server* creates three to five internal IP-video streams *per camera* simultaneously, with different resolutions, frame rates and data rates, optimizing video for live and recorded remote viewing by teams for situation assessment, monitoring and investigations. Three resolutions are produced simultaneously for each internal camera. Live video can be viewed with as little as 8 Kbps.

Rustproof box conceals two internal cameras. Sealed thermal management system with dual-chamber heat exchanger operates over wide temperatures and in salt-water marsh fog.



VGA, QVGA, QQVGA

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Boundless' opt. *VPN & Tunneling Broadcast Server* supports *Live Alerts*, dynamic IP addresses, non-inward-routable networks, encryption, and security certificates for CJIS, and enables many to view same live or recorded video stream in Boundless' viewing software without added burden on uplinks.

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



Mobile Data Terminal

Wireless laptops with Boundless' *Control Panel* client viewing and searching software access Boundless' *EconoViews* via the Internet for live and recorded video, and to quickly search recorded video. Two dozen cameras can be viewed simultaneously at 5 fps/camera with only a 400 Kbps (total) downlink. Opt. *Live Alert* (yellow) shown.



Command Center with Boundless' *Broadcast Control Panel* client viewing, searching and transcoding software on a PC. Dispatcher selects live or recorded video for viewing by mobile teams on handheld devices. Users can receive e-mails with links to live or recorded video, not just an attached still image, and view it in a browser without added burden on uplinks from *EconoViews*.