



# Boundless Security Systems, Inc.

*the communications bandwidth experts*

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## Ultimate Covert Pole Camera System: Boundless' Outdoor View™ with Two Built-In PTZ Cameras Provides Ultra Low Bandwidth, Cellular Digital Video Surveillance Pod



User-supplied enclosed, AC / 12 VDC power supply or large batteries in outdoor housings, e.g., with AC power from street light photo sensor

*Internally records sharper video than can be sent live and avoids flooding wireless wide area networks with continuous video.*

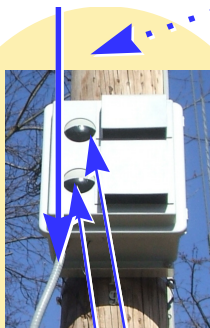
Boundless uses bandwidth-saving video-on-demand with near-camera recording, not bandwidth-hogging video streaming with central recording. Many different digital IP-video streams and recording internal to **Outdoor View™** provide better recorded video than can be sent live and avoid heavy continuous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

### Boundless' Outdoor View™ with Two Covert Cameras

Weatherproof system contains an internal, ultra low bandwidth, advanced IP-based, Boundless' **Multi-Stream Video Server**. It has 2 or 4 video inputs, two opt. internal concealed PTZ cameras, and an opt. internal cellular IP-data modem. It is a wireless, turn-key, digital video surveillance, covert pole camera system that can be set up in minutes and monitored remotely via the Internet or like IP-data network. All cameras are digitized and continuously recorded internally with three resolutions using MPEG-4. Rapid search for motion with post-recording selection of motion parameters is provided. Hours of video can be searched in seconds. Optional **Live Alerts** give automatic detection and prompt notification of zoned motion without e-mail delays. An industrial-grade modem such as AirLink / Sierra Wireless **Raven-X** is used (opt.). 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 of two to four cameras. Live video can be viewed remotely with as little as 8 Kbps.

Sun-rated white or lt. gray fiberglass box



Slightly exposed domes of two PTZ cameras (opt.)



VGA, QVGA, QQVGA

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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.

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



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. 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 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.