

Boundless Security Systems, Inc.

the communications bandwidth experts

© 2010-11 Boundless Security Systems, Inc. (BSSI)
 3 Simm Lane, Unit #1F • Newtown, CT 06470 USA
 tel. 203-445-0562 • www.BoundlessSecurity.com

Economical, Pole Dual-Camera System for Amber Alert Video Capture for Small Towns

Boundless' **PanoView™** and Cellular Communications Are Less than 1/3 Price of Mesh-based Town-Scale Video Systems

Easily installed, rustproof outdoor system-in-a-box has sealed thermal management system with dual-chamber heat exchanger. It operates over wide temperatures and is not affected by airborne contaminants, such as salt-water marsh fog.

Preconfigured system internally records video more sharply and consistently, and with higher frame rate than can be sent live and avoids need for expensive, dedicated wireless network for video.

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 **PanoView™** provide better recorded video than can be sent live, enable using many cameras in a neighborhood without sacrificing recording quality, avoid need for a central video recording server, and avoid heavy continuous traffic on cellular networks.

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

Preconfigured, apply power and you're up and running. Outdoor system has two internal PTZ cameras, network video recorder, many-diverse-stream video communications system, and cellular modem. It contains Boundless' ultra low bandwidth, **Multi-Stream Video Server**, providing a turn-key, wireless, digital video surveillance, pole dual-camera system that can be set up quickly and monitored remotely via the Internet even when cellular networks are congested. Optimized PTZ control has low latency. Pressure-relieved, magnetic hard drive provides long video storage economically, and avoids airborne moisture and contaminant problems. Hours of video can be searched in seconds. Video server can provide 802.11n WiFi Cloud¹ to connect to nearby wireless IP-cameras. Box approx. 16x13x8 in.

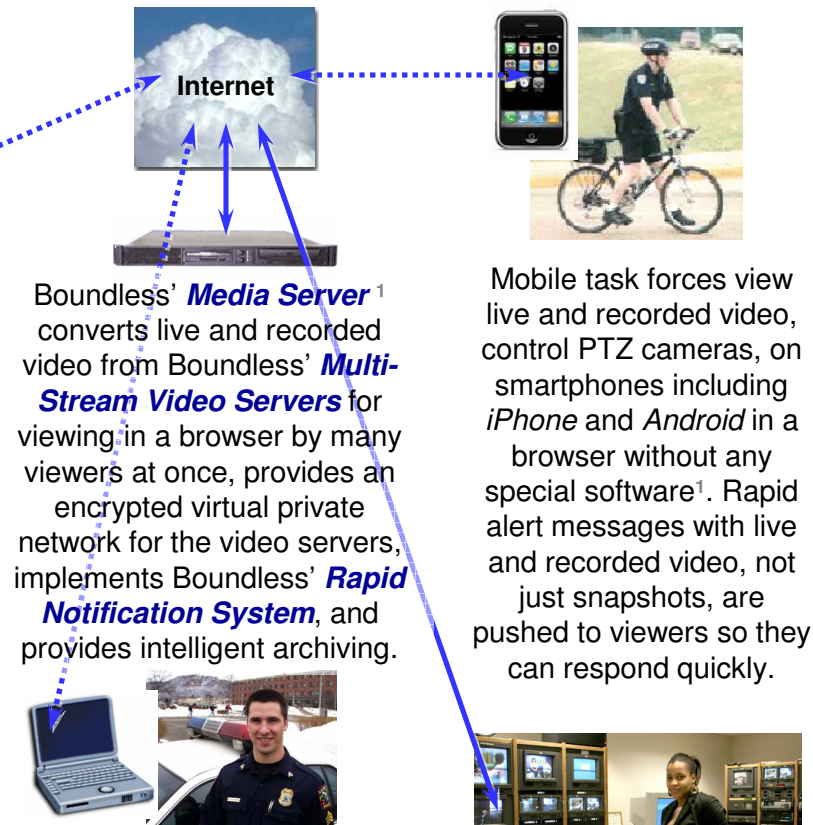
Internal Boundless' **Multi-Stream Video Server** creates three to eight internal IP-video streams *per camera* simultaneously, with different resolutions, frame rates and data rates, optimizing video for live and recorded remote viewing by teams for **situation assessment**, **monitoring** and **investigations**.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



Exposed domes of two PTZ cameras provide wide views



VGA, QVGA, QQVGA



Boundless' **Media Server**¹ converts live and recorded video from Boundless' **Multi-Stream Video Servers** for viewing in a browser by many viewers at once, provides an encrypted virtual private network for the video servers, implements Boundless' **Rapid Notification System**, and provides intelligent archiving.

Mobile Data Terminals with Boundless' **Control Panel** client viewing and searching software access Boundless' **Multi-Stream Video Servers** for live and recorded video, and search recorded video. Or, with Boundless' **Media Server**, live and recorded video can be viewed, PTZ cameras controlled, and rapid alerts received, in web browsers¹.

Mobile task forces view live and recorded video, control PTZ cameras, on smartphones including *iPhone* and *Android* in a browser without any special software¹. Rapid alert messages with live and recorded video, not just snapshots, are pushed to viewers so they can respond quickly.



Command Centers have Boundless' **Control Panel** live and recorded viewing, and motion searching software, and web browsers on PC's. Dispatchers can push video messages to mobile forces and broadcast *Amber Alert* video to public¹.