



Boundless Security Systems, Inc.

sharper images with better access and easier installation

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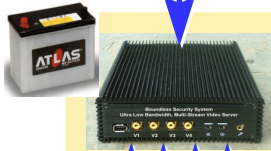
Ultra Low Bandwidth, *Kilobit* Boundless Security System™ and Cellular Modem Provide Four-Camera, Portable, Wireless, Digital Video Broadcasting and Surveillance System

Live video and smooth, clear recorded video, from 4 cameras at once on one EVDO cellular uplink



Cellular Wireless Modem (1xRTT, EVDO, EDGE, GSM, GPRS...) with GPS locator

Multiple different digital video streams and recording internal to **Multi-Stream Video Server** avoid heavy continuous traffic on cellular wireless networks. Live and recorded video traffic is only on demand. A mere 128 Kbps uplink can carry 4 live video streams at once from a stationary location. Quickly upload exact segments of highest quality recorded video for sharpest images.



Boundless' compact, ultra low bandwidth, multi-function, advanced IP-based **Multi-Stream Video Server Subminiature** and a cellular modem provide a secure, portable, **video base station** in a backpack. It provides *continuous* video digitizing and internal recording for four video cameras, MPEG-4 compression, multiple different video streams per camera, rapid post-recording searching with new motion parameters, and communication of live and recorded video on demand. A small 12V rechargeable battery provides power for hours.



One to four miniature analog wireless video cameras can send video to nearby Boundless' **Multi-Stream Video Server** in a backpack. (Receivers for wireless video cameras are not shown.)

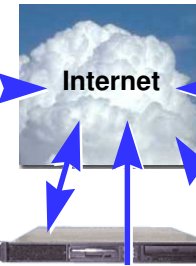
Carry and operate an entire, 4-camera system in a backpack.

Multi-Stream Video Server creates multiple simultaneous video streams per camera, with different resolutions, frame rates and data rates, optimizing video for live and recorded remote viewing for situation assessment, monitoring and investigations, and for feeding video *from* moving and stationary vehicles. Three resolutions are produced simultaneously for each standard definition video camera. Opt. HDTV (6VGA) resolution provides 4 resolutions / camera.



VGA, QVGA, QQVGA (opt. 6VGA)

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Boundless' **Name Server** resolves dynamic IP addresses used by **Multi-Stream Video Servers**.

Customers can operate their own Boundless **Name Server** if desired, providing additional confidentiality and protection from Cyber Denial of Service attacks.



Command Center with Boundless' **Broadcast Control Panel** client viewing, searching and transcoding software on PC's. Dispatcher selects live or recorded video for viewing on handheld devices by mobile users. Cuts from one camera to another can be made instantly.



Streaming Server provides video selected by Dispatcher to hundreds of viewers simultaneously, using a variety of handhelds. Boundless' **Broadcast Service** avoids burdening uplink at Command Center.



Mobile users view live or recorded video selected by Dispatcher on PC and selected Pocket PC, Palm Treo, BlackBerry, and cell phones, without special viewing software.