



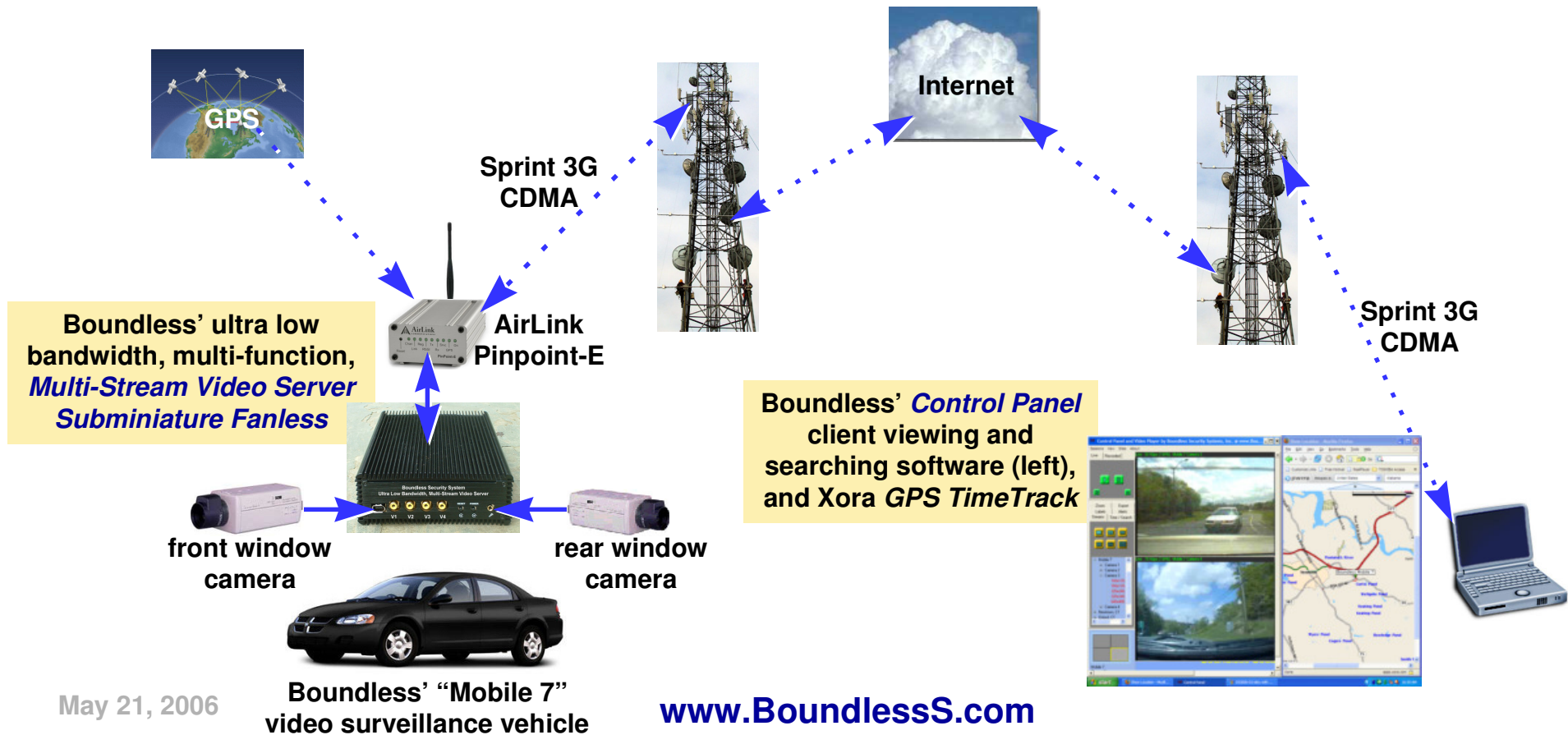
Boundless Security Systems, Inc.

sharper images with better access and easier installation

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Demonstration of Real-Time, 3G Wireless Live Video from a Moving Vehicle, Viewed on a Distant 3G CDMA Wireless Laptop, using Ultra Low Bandwidth, *Boundless Security System™*, with GPS Tracking

HQ and mobile forces can now keep a watchful eye on mobile forces when the mobile forces are most at risk



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Equipment Configuration

- **Boundless *Mobile 7* vehicle used for mobile video acquisition contains:**
 - Boundless' ultra low bandwidth, ***Multi-Stream Video Server Subminiature Fanless*** with 4 video inputs and internal recording, multiple simultaneous digital video streams per camera with different resolutions and frame rates, live and recorded video, and motion searching
 - 2 color CCTV cameras: one looking through the front windshield (lower video image in screenshots), one looking through the rear windshield (upper video image in screenshots)
 - AirLink Pinpoint-E EV-DO wireless modem with GPS, for wireless, live and recorded, video-on-demand transmission from Boundless' ***Multi-Stream Video Server*** to the Internet, and for transmission of GPS coordinates from the modem to Xora's GPS server
 - Sprint 3G CDMA wireless data service, either 1xRTT or EV-DO, depending on the mobile location of the vehicle, connects the AirLink Pinpoint-E wireless modem to the Internet
- **Wireless laptop computer used for mobile remote viewing contains:**
 - Boundless' ***Control Panel*** client viewing and searching software, running Microsoft Windows XP Home, with wireless access via the Internet to Boundless' ***Multi-Stream Video Server*** in the Mobile 7 vehicle; a series of screenshots was made using the laptop
 - a web browser with Internet access to Xora's GPS server and *GPS TimeTrack* web site
 - Sprint 3G CDMA service using a Sierra Wireless PCMCIA card to connect to the Internet
- **Ultra low bandwidth, medium-resolution video images are shown; note the ultra low, Live (at the time of screen capture) data rates for each video stream, and the succession of GPS locations; actual live, MPEG-4 video had 3 frames / second**
- **Total CDMA uplink required by Mobile 7 varied between only 100 and 130 Kbps**