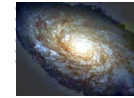


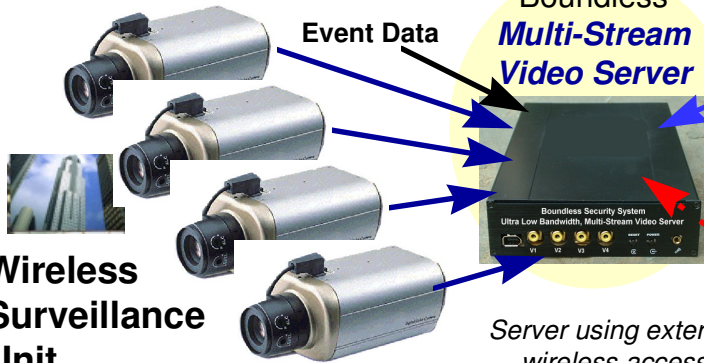
Multiply Wireless Outdoor Video Surveillance Channels 100-Fold !



Boundless Security Systems

sharper images, better access, easier installation

Mount on a pole, pod, vehicle...



Wireless Surveillance Unit

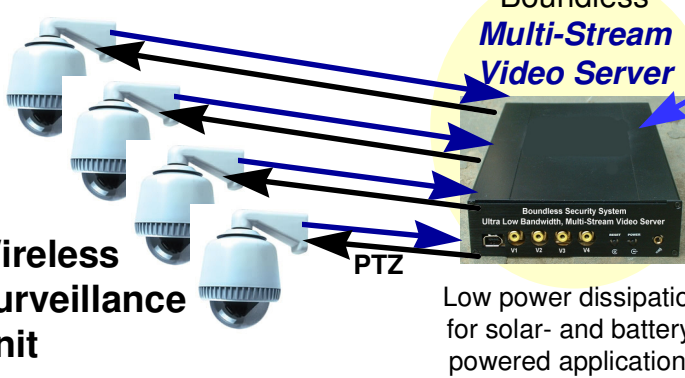
Boundless **Multi-Stream Video Server**

Server using external Wi-Fi wireless access client

The low power, Boundless **Multi-Stream Video Server** simultaneously creates and internally records three or more digital video streams for each of 4 CCTV cameras, providing sharp images, smooth motion, AND ease of communication, instead of only one of the three.



Mount on a pole, pod, vehicle...



Wireless Surveillance Unit

Boundless **Multi-Stream Video Server**

Low power dissipation for solar- and battery-powered applications

Only 32 Kbps per camera are needed for Situation Assessment images at 5 frames per second (fps).

Only one antenna at a Wi-Fi base station is needed to communicate with many wireless surveillance units simultaneously.



A 10 Mbps, 2.4 GHz Wi-Fi base station can handle live, Situation Assessment images from 80+ cameras simultaneously at 5 fps/camera, using only a single Wi-Fi wireless channel. No video equipment is needed at a base station that has an Internet connection. Remote viewing requires only a Windows PC and Boundless' client viewing software.

Ultra Low Bandwidth, Low Power, Digital Video Surveillance Systems for Mobile, Covert and Long-Haul Wireless Applications



Boundless' multi-function, **Multi-Stream Video Server Subminiature** is 6" w x 1.75" h x 10" d. It uses less than 25w at 12 VDC including internal hard drive.

Boundless' multi-function, ultra low bandwidth, **Multi-Stream Video Server** provides internal recording for low network traffic. It enables secure, long-haul, wireless, live and recorded digital video, and motion searching with many cameras simultaneously. It:

- replaces analog video transmission devices
- transmits video with multiple frames per second per camera at ultra low bandwidth
- reduces wireless video surveillance traffic 100-fold compared to "fat pipe" solutions
- handles four CCTV cameras or opt multi-mega pixel high definition digital cameras
- provides extensive motion search with fast, remote review at ultra low bandwidth

Boundless' **Multi-Stream Video Server** continuously captures video from four CCTV or opt HDTV+ cameras. It meets competing needs for ease of communications, smooth motion and sharp images. It simultaneously forms multiple digital video streams for each camera, with different resolutions, frame rates and data rates, and records all streams internally for low, video-on-demand wireless traffic. *With 100 mW transmitters, 21 dB antennas, and line-of-sight distances up to 10 miles, a 10 Mbps Wi-Fi wireless base station can provide remote viewing of 80+ cameras simultaneously at 5 fps/camera using only a single Wi-Fi wireless channel.*

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203-445-0562 • fax 203-445-0564
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Boundless Security Systems, Inc.

sharper images with better access and easier installation

Benefits of the Ultra Low Bandwidth, *Boundless Security System™* for Wireless, Digital Video Surveillance

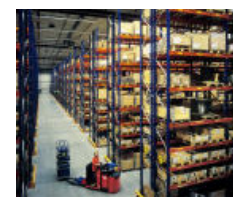
- ★ Saves labor and increases coverage by enabling easy placement of clusters of cameras where needed
- ★ Enables transient surveillance of trouble spots, and mobile video surveillance
- ★ Highly scalable and efficient, every 1 Mbps of bandwidth can carry 32 video streams simultaneously @ 5 fps / stream
- ★ Live and recorded video, and extensive motion search, are provided for multiple cameras simultaneously at each site
- ★ Handles four CCTV cameras using optimized MPEG-4 compression
- ★ Provides multiple digital video streams per camera simultaneously, with different resolutions, frame rates, compression parameters and data rates, to meet competing needs for very low bandwidth, smooth motion, and sharp images
- ★ Not conventional streaming video, but internally IP-based for scalability, reliability, flexibility and cyber security
- ★ Internal recording and multiple streams per camera facilitate communication of many, live, low bandwidth digital video streams with concurrent, slower access to smoother or sharper recorded video
- ★ Continuous internal recording avoids wireless traffic except when video is viewed or searched remotely
- ★ Video data rates as low as 2 Kbps @ 1 fps per camera at lowest resolution
- ★ Very low bandwidth is ideal for mobile viewing and remote searching, providing frames/s instead of seconds/frame
- ★ Low latency, live video streams are ideal for remote PTZ camera control
- ★ Video can be sent from each site to many users via Internet servers, avoiding burdening slow Internet uplinks
- ★ Not error-prone UDP streaming video, multiple levels of error-correcting protocols enable reliable use of congested and intermittent wireless networks
- ★ Secure wireless digital communication
- ★ Simultaneously view up to 63 cameras, and live and recorded video, on a PC
- ★ Low power dissipation enables solar- and battery-powered operation
- ★ Supports multi-mega pixel high-definition HDTV+ digital cameras (opt)
- ★ **CALL NOW TO SOLVE OUT-DOOR VIDEO PROBLEMS**

The *Boundless Security System™* *puts you there.* There are many commercial and government, mobile, covert and long-haul, video surveillance applications.



Critical Infrastructure,
Airports, Borders,
Fences, Harbors,
Highways, Railways

Construction Sites,
Military Bases,
Municipal Buildings,
Office Buildings



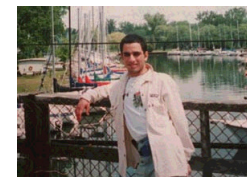
Banks, Factories,
Retail, Schools,
Storage Terminals,
Warehouses

Armored Trucks,
Delivery Vehicles,
Emergency Vehicles,
School Buses



Boats,
Planes,
Trains,
Robots

Bridges, Streets,
Overpasses,
Roof Tops



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