



# Boundless Security Systems, Inc.

*the communications bandwidth experts*

Mobile  
Wireless  
IP-based  
Cellular  
In-vehicle

## Ultra Low Bandwidth, Mobile Multi-Stream Video Server™

Example Model # Mobile Video Server, 500 GB, 4 x CCTV

*Provides bandwidth-friendly, remote viewing of both live and recorded video by HQ and mobile task-forces to protect occupants when they need it the most !*

*Enables remote control of PTZ cameras so distant viewers can follow officers or occupants inside or outside vehicle !*

*Serves as mobile video base station for wireless body-worn cameras !*



DC power, camera and network inputs  
(Photo may vary, cameras not included)

### Features

- Fully custom pre-configured for turn-key use
- View cameras live and recorded at same time
- Remotely view internally recorded video at up to 8X normal speed via wide area networks
- Avoids heavy continuous traffic on networks
- Internally records video more sharply, consistently and with higher frame rate than can be sent live over wireless wide area networks
- Uses bandwidth-saving, video-on-demand with internal recording of many different video streams simultaneously for each camera, not bandwidth-hogging video streaming with central recording of only one video stream
- Enables using and viewing many nearby cameras without affecting video recording quality
- Decoding and many-stream re-encoding avoid high bandwidth of video from IP-cameras (opt)
- Opt. configurable WiFi port provides access point for nearby wireless IP cameras to expand visual footprint; client for dual-networks; mesh
- Many options for task-force viewing in a browser, encryption, dual-network (cell + WiFi), GPS, VPN

### Specifications

- Up to four analog CCTV video inputs (opt)
- Up to four IP-inputs for M-JPEG, MPEG-4 or H.264 IP-cameras using HTTP or RTSP (opt)
- **Multi-Stream Video Server™** with
  - Decoding and re-encoding of IP-video into many video streams with 100:1 bw range (opt)
  - 500 GB internal magnetic disk (1 TB opt.) or optional, lower capacity, solid state disk
  - Each camera: live (bandwidth-permitting) and recorded MPEG-4 video at 640x480 @ 15 fps, 320x240 @ 15 & 5 fps, and 160x120 @ 15, 5 & 1 fps, *all simultaneously* (100:1 bw range)
- Internal 802.11a/g/n configurable WiFi (opt)
- Flexible device input/output via a browser
- Wide voltage range, 10 to 24 VDC power input with ignition-switch control, low-voltage shut-down and remote sleep/wakeup
- Case approx. 2.5"H x 11.5"W x 11"D

### Description

Ultra low bandwidth, mobile video server with long internal recording enables HQ and mobile task-forces to view live and recorded video from vehicles in the field when occupants need help the most. Users can connect CCTV and/or wireless IP-cameras that are best-suited for each installation. It decodes video from wireless IP-cameras via its secured 802.11a/g/n configurable WiFi, forms many different video streams for each camera to handle a wide range of image and communications needs, records them internally with better quality than can be sent live, and provides remote access to live and recorded video even over damaged and congested networks. It contains Boundless' ultra low bandwidth, **Multi-Stream Video Server™** with internal recording that supports team viewing and has optimized PTZ control for low latency.