



Boundless Security Systems, Inc.

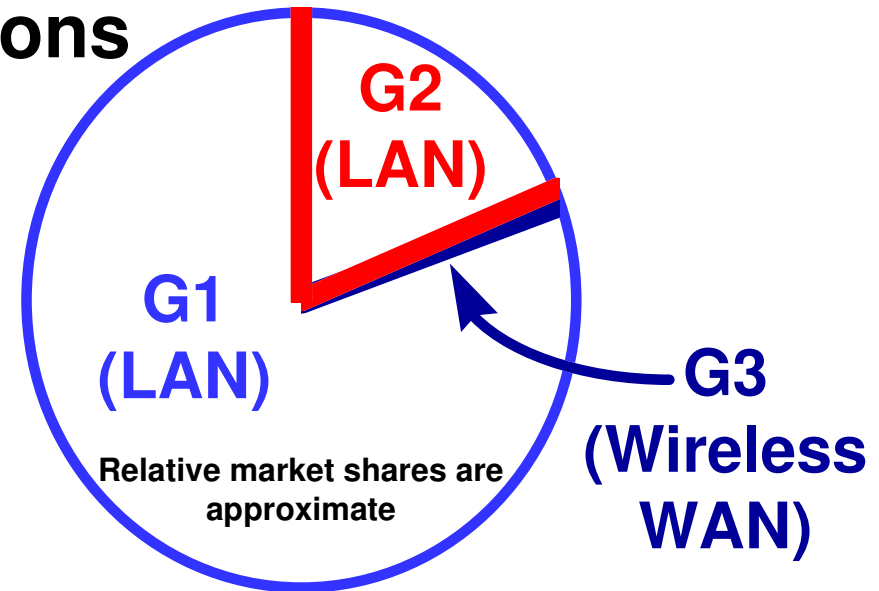
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Digital Video Surveillance Market by Bandwidth Usage and Generations

“Outdoor video surveillance is a communications problem first, and a video problem second.”

-- Steve Morton, CEO, CTO,
Boundless Security
Systems, Inc.



G1. CCTV camera and Digital Video Recorder industry -- dominant market share -- no concept of bandwidth. Each camera uses a dedicated coaxial cable, or fiberoptic cable with video transmitter / receiver; has centralized digitizing, compression and recording at each site with limited ability to remotely manage, view and search multiple sites.

G2. IP-camera and Network Video Recorder industry -- requires fast, often dedicated local area network and point-to-point wireless segments -- believes bandwidth is free and unlimited, is the digital analogue of an analog CCTV system with centralized recording for multiple cameras; uses distributed digitizing-and-compression, and IP-streaming; limited mobile-originated operation and can't do 3D image analytics that require images from multiple cameras simultaneously

G3. Boundless Security Systems, Inc. -- believes bandwidth is precious. Focuses on outdoor digital video surveillance using public wireless networks. Its *advanced* IP-based, ultra low bandwidth, video-on-demand architecture is far more efficient, scalable, secure and robust than conventional IP-based systems. Its multi-function, x86 Linux-based **Multi-Stream Video Server** provides mobile-originated operation, a bank of up to forty IP-video software encoders with up to four resolutions per camera simultaneously and embedded event meta data, Network Video Recorder, and search engine in one mobile unit. It provides video digitizing, cropping and continuous internal NVR recording with up to ten different IP-video streams *per camera*, post-recording searching with new parameters, 3D analytics, and **Live Alerts**. Its bandwidth is only a few percent of most “low bandwidth” systems, and is future-safe for High Definition cameras.

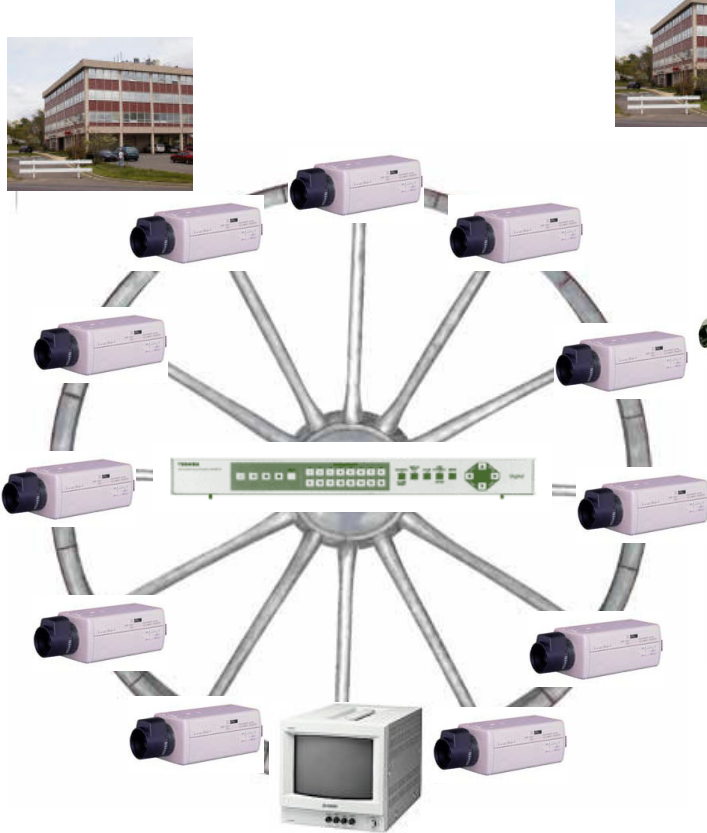


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Generations of Digital Video Surveillance Systems



G1: Digital Video Recorder (LAN)

assumes unlimited bandwidth with dedicated video cables, centralized recording and viewing, stationary live video capture from CCTV cameras, IP connectivity merely added on



G2: Network Video Recorder (LAN)

requires very high bandwidth local area network for video streaming, centralized recording and viewing, stationary live video capture, IP-cameras or CCTV cameras with IP-video encoders, limited wireless ability



G3: Boundless Security System™ (Wireless WAN)

ultra low bandwidth for cellular, satellite and WiFi public wireless networks, advanced IP-based, video-on-demand with CCTV and opt. high definition cameras, outdoor and mobile live video capture, distributed NVR's, many-camera mobile viewing and searching