

 **Boundless Security Systems, Inc.**
sharper images with better access and easier installation

MADE IN THE USA

Others: Blurry images of distant subjects at low frame rates with unreliable recording and limited remote access (cropped, highly magnified image shown)


Boundless: Sharp images of distant subjects at high frame rates with fault-tolerant recording and superior remote access (cropped, magnified image shown)


**Fault-Tolerant, Enterprise-Class,
Ultra Low Bandwidth, Digital Video
Surveillance System**

Dec. 15, 2005

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 **Boundless Security Systems, Inc.**
sharper images with better access and easier installation

Made in CT


**Woman-Owned
Small Business**

Corporate Overview

*In-depth knowledge of computer systems, imaging,
digital signal processing, video compression, tele-
communications, computer networks, and Cyber
security*

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Boundless' Corporate Profile

- **Software developer and manufacturer of ultra low bandwidth, digital video surveillance systems**
- **Principals' extensive systems-level expertise**
 - Distributed, real-time operating systems
 - Networked, Cyber-secure, digital video surveillance systems
 - Construction and telemetry of U.S. Air Force communications spacecraft
 - Large-scale, central office telephone switching systems
 - *Analyze and understand basic underlying principles in depth*
- **Steve Morton, CEO and CTO, MIT '71 BSEE / MSEE, widely known for a child-safety device that uses biometrics and digital imaging**
- **Located in Newtown, CT**
- **Privately held, woman-owned, Delaware C corporation**

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Boundless Has Broad Expertise

• Biometrics	• Internet Protocols (IP)
• Camera Technology	• LAN, WAN, Wireless LAN
• Chip Design (ASIC's)	• Mass-Storage
• Communications	• Operating Systems
• Cyber Security	• Optics
• Design for Test	• Parallel Processing
• Digital Signal Processors	• Reliability / Fault-Tolerance
• Hardware Design	• Software Design
• Human Factors	• Software Tools
• Image Processing	• System Architecture
• Image Sensors	• Video Compression

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Boundless' Products and Services


- **Products**
 - **Boundless Security System™** -- an open platform, inherently networked, fully scalable, ultra low bandwidth, digital video surveillance system with attention-grabbing **Live Alerts**
 - Ultra low bandwidth, Linux-based, multi-function, **Multi-Stream Video Servers** are sold turn-key, using standard x86 computer hardware with Boundless' proprietary software pre-installed and configured, or software-only to OEM's
 - Boundless' **Control Panel / Video Player** client viewing and search software runs under Microsoft Windows
- **Services**
 - System-level contract engineering to analyze capability and limitations of existing and proposed video surveillance systems
 - System-level contract engineering to design large-scale, very low bandwidth, fault-tolerant, digital video surveillance systems
 - Analysis of operational capabilities enabled by low bandwidth

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**MADE IN THE
USA**

Boundless Security System™



Technical Overview

**...goes beyond
reliability**

Works like clockwork.™

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Boundless Security System™

Is Fully Integrated and Reliable !

Old Hybrid Way	Boundless' New Digital Way
<p>CCTV Cameras → Proprietary fiber converters for > 300 m → Analog Video Matrix Switch</p> <p>→ CCTV Monitors primarily for live video</p> <p>→ Digital Video Recorders with internal multiplexers</p> <p>→ PC Monitors primarily for recorded video</p> <p>→ Ethernet switches and routers primarily access only recorded video</p>	<p>Record and Live-Forward: Boundless' Linux-based Multi-Stream Video Servers use Boundless' Storage Operating System (SOS)</p> <p>View: Boundless' Control Panel client software for PC accesses live and recorded video from multiple Multi-Stream Video Servers on multiple networks</p> <p>CCTV Cameras → video / PTZ → Multi-Stream Video Servers for additional storage</p> <p>→ Ethernet switches and routers handle all live/recorded audio/video/event digitally using Internet protocols</p> <p>Distributed Capture, Recording and Control: Boundless' Multi-Stream Video Servers provide three+ IP-video streams per camera, many-zone motion detection, audio (opt.), binary inputs / outputs, and interface for POS, ATM and PTZ</p>
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Fully Digital ...

See the Benefits !

<ul style="list-style-type: none"> • Old hybrid analog/digital video security system <ul style="list-style-type: none"> - Resolution: Analog CCTV cameras limit resolution, dynamic range and motion capture of live images; digital recording systems typically capture < 6% of image data - Transport: Expensive proprietary fiber optic video transmitters / receivers required for > 200 m; baluns required for structured cable <ul style="list-style-type: none"> • Additional cables required for audio, events and control 	<ul style="list-style-type: none"> • Boundless' new fully digital video system <ul style="list-style-type: none"> - Resolution: Multi-Stream Video Server receives video from CCTV cameras, capture up to 100% of video data, take full advantage of high resolution cameras, and provide 3+ digital video streams with different resolutions, frame rates and data rates for each camera - Transport: Low cost ethernet on copper, fiber optic, wireless <ul style="list-style-type: none"> • All audio, video, events, and control using IP on LAN
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Fully Digital ... See the Benefits !

- **Old hybrid analog/digital video security system**
 - **Storage:** Digital video recording system has reliability problems, limited storage and video quality, and lacks integration with live video
 - **Viewing Inflexibility:** An analog system with video matrix switches and TV monitors for live viewing, and a separate system with PC monitors for recorded viewing; cannot pause live video and switch to recorded video for more details or prior activity
- **Boundless' new fully digital video system**
 - **Storage:** System is optimized for recording video using Boundless' distributed **Storage Operating System™ (SOS)** on Linux-based **Multi-Stream Video Servers™**, providing fault-tolerance and storage virtualization
 - **Viewing Flexibility:** Replaces video matrix switches, muxes, controllers, quad-processors; display multiple live and recorded video with multiple resolutions and frame rates on PC or SDTV/HDTV (@1080i)

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Boundless Security System™ Records Better Images

The image quality of most video surveillance systems is limited by the recorder, not the cameras. The cropped, magnified, recorded images of the *distant* subjects shown occupy only a small fraction of the field of view of the CCTV camera.

<p>CCTV Cameras + Common Digital Video Recorder (DVR)</p>  <p>352 x 240 pixels/frame (CIF) with high quantization and approx. 5 fps/camera (only 1/4 of resolution of high quality CCTV camera and 1/6 the frame rate)</p>	<p>CCTV Cameras + Boundless Multi-Stream Video Server</p>  <p>Monitoring Stream: 352 x 240 pixels/frame (CIF) with medium quantization for medium sharpness and artifacts, and 10 to 30 fps/camera</p>	<p>CCTV Cameras + Boundless Multi-Stream Video Server</p>  <p>Investigations Stream: 704 x 480 pixels/frame (4CIF) with low quantization for maximum sharpness and minimal artifacts, and 5 fps/camera (typ.)</p>
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Basic Version of Boundless Security System™

CCTV Cameras → video → **Multi-Stream Video Servers** (PTZ control)

Distributed Capture and Control: Boundless' **Multi-Stream Video Servers** simultaneously provide three or more resolutions, frame rates and compression parameters for each of multiple cameras, plus audio (opt.), PTZ control, and binary alarm inputs / control outputs. They digitize CCTV video, compress it using MPEG-4, and encapsulate it in Boundless' **Storage Operating System™ (SOS)** protocols and Internet protocols. They reliably record audio / video / event data across multiple disks in one or more **Multi-Stream Video Servers**, providing virtually unlimited, fault-tolerant recording.

Record and Live-Forward: Boundless' **Multi-Stream Video Servers** are Linux computers. They use Boundless' fully distributed **Storage Operating System™ (SOS)**. They provide all video storage, access to live and recorded video, and searching. Multiple housings provide multiple form-factors for indoor, outdoor and mobile use.

View: Desktop, Tablet or Notebook PC's use Boundless' **Control Panel** software with **SOS** support. Any user can seamlessly access multiple live and recorded streams from **Multi-Stream Video Servers**.

Ethernet Switch connects to **Internet Gateway and opt. Wireless Access Point** and a **Laptop**.


All audio/video digitizing, compression and storage management are done by Boundless' **Multi-Stream Video Servers**, not PC's. All video is recorded all the time economically. Boundless' **Multi-Servers** provide a new kind of network attached storage (NAS) that is very economical and uses little power. They are controlled on a fully distributed basis by Boundless' **Storage Operating System™ (SOS)**. Boundless' **Control Panel** and **Video Player** software treats each audio/video/event stream as a single multi-media object for ease of access, regardless of where its many files are stored. Any authorized user can access all live and recorded streams.

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Overview of Implementation of Boundless Security System™


Housings for Boundless Multi-Stream Video Server



Compact "Book"



"Shoebbox"



1U Rack-Mount

The Boundless Security System™ is an **ultra low bandwidth, fully distributed, fault-tolerant, forensics-quality, enterprise-class system**. Unlike IP-based video surveillance systems using 1st (HTTP) and 2nd (RTP) generation LAN cameras whose operation relies on other computers and a fast network, all video digitizing, MPEG-4 compression, storage management, recording, motion searching, and serving of live and recorded images are done autonomously and reliably by Boundless' multi-function **Multi-Stream Video Servers**. When vast storage capacity is required, Boundless' **Multi-Stream Video Servers** manage up to 1+ petabyte per network of storage using Boundless' **Storage Operating System™ (SOS)** and multiple local or remote **Multi-Stream Video Servers**. A fully interconnected, **virtual video matrix switch**, and **virtual video processor** for each display device, are provided for all live and recorded streams using Boundless' **Control Panel** client viewing and searching software. Three or more digital video streams are provided for every camera simultaneously to meet competing imaging and communication needs for investigations, monitoring and situation assessment. **Multi-Stream Video Servers** are "headless" and remotely managed for updates and diagnostics.

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Boundless Security System™ 13

Video Capture Components

- **Multi-Stream Video Server Device**
 - Distributed, fault-tolerant recording with Boundless' **Storage Operating System™**, including **Physical Diversity Recording™**, storing data internally and/or externally, as desired
 - MPEG-4 compression
 - Continuous operation on all video streams for all cameras
 - Optional audio, alarm inputs, control outputs, access control interface
 - Has four CCTV video inputs and internally records video from each camera with **3+ resolutions, frame rates, quantizations and data rates simultaneously** (typical values shown):
 - **Investigations:** full camera resolution, max. sharpness, 5 fps/camera (typ.), +
 - **Monitoring (2):** both 1CIF and QCIF resolution @ 10 to 30 fps/camera, +
 - **Situation Assessment:** QCIF resolution @ 5 to 10 fps/camera
 - **Multiple housings available for varied applications**

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Boundless Security System™ 14

Store-and-Forward Components

- **Multi-Stream Video Server Device**
 - Provides economical mass-storage for Boundless' video-optimized Network-Attached Storage (NAS)
 - Fully distributed control by Boundless' **Multi-Stream Video Servers** and **Storage Operating System™** provides fault-tolerant operation
 - Provides live/recorded audio/video/event streams for local and remote access
 - Low latency live video for on-site video monitoring
 - Available integrated in **Multi-Stream Video Server** to create virtually zero net network traffic except when live or recorded video is accessed; ideal for **Wi-Fi** use to avoid network cabling, and throttled segments
 - Multiple housings available
 - Up to 3 TB per unit of internal, *low power* disk storage, use multiple units to increase total system storage capacity

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Boundless Security System™ 15

Video Display Components

- **Video Player™ Software**
 - Integrated into Boundless' *Control Panel* software to display live and recorded video from multiple cameras simultaneously, with multiple resolutions, from multiple *Multi-Stream Video Servers*, on multiple networks, on PC
 - Multi-threaded implementation efficiently runs multiple copies with multiple resolutions and frame rates at the same time on fast PC
 - Provides a "portal" for 3rd-party software to access and display audio / video / event information from *Boundless Security System™*
- **DisplayServer™ HDTV Device**
 - View multiple live and recorded video streams simultaneously with high resolution and frame rate from multiple *Multi-Stream Video Servers* on multiple networks on a High Definition TV monitor @ 1080i resolution

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Versatile Applications

- **Fully integrated using Internet protocols**
 - **Surveillance:** superior quality live and recorded video with audio / video / events for each camera in a single MPEG-4 digital data stream that maintains their synchronization and is optimized for rapid searching of embedded event information; many users can view any live or recorded stream; live video has low latency within a LAN; Boundless' distributed *Storage Operating System™* ensures no corrupted recordings
 - **POS / ATM / PTZ / AC:** each *Multi-Stream Video Server* provides RS-232 for PTZ, POS, ATM, and access control panels
 - **Alarms:** each *Multi-Stream Video Server* provides binary control outputs for 3rd-party devices, and binary inputs for 3rd-party event detectors
 - **Virtual Video Matrix Switch and Virtual Video Processor:** each user can simultaneously view multiple live and recorded video streams with multiple resolutions and frame rates from multiple cameras from multiple *Multi-Stream Video Servers* on multiple networks

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Is Fully IP-Enabled

- Smooth, sharp, networked digital video images
 - Avoid need for analog video matrix switches
- Boundless' new generation of Network Attached Storage (NAS) provides vast amounts of seamless, reliable, online storage at low cost with low power
- Live and recorded video with multiple resolutions and frame rates simultaneously, and audio, and other data from each camera are accessed easily as a single entity, as one *multi-media object*
- Each media object needs only one point of access by user, regardless of potentially long duration of the recorded stream and which *Multi-Stream Video Servers* and which hard drives store its files

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Is Fully IP-Enabled

- User simply selects a camera, chooses live or recorded, and resolution, then play, pause, and playback speed* and direction* (* recorded only); any user can select and view any live and recorded streams
- Multiple video resolutions and frame rates available for each media object continuously, enabling each user to choose best format for monitor formatting and connection speed without interfering with recording or use by others
- Recording protocols ensure all media streams are recorded reliably despite transient system overloads
- Recording takes priority over remote access so recording never lost due to heavy access to servers

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Boundless Security System™ 19

Is Fully IP-Enabled

- Fully scalable, distributed and network friendly for Enterprise-class IT networks
 - Network-bandwidth friendly provides video-on-demand traffic
 - Users access only Linux-based *Multi-Stream Video Servers*, not network cameras, protecting system integrity
 - Protects video input devices on network from overloading
 - Enables user traffic to be limited to LAN backbone
 - Any user can view any live or recorded media stream
 - Large numbers of users can access any given live or recorded media stream simultaneously
 - Boundless' *Intelligent Bandwidth Allocation* enables slow-speed uplinks to be used for multiple streams
 - Boundless' *Stealth Web Site™* technology provides protection from Cyber Denial-of-Service attacks

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Boundless Security System™ 20

Is Easier to Install

- Existing video surveillance systems easily retrofitted
 - Connect CCTV cameras to *Multi-Stream Video Servers*
 - Place *Multi-Stream Video Servers* where most convenient for installation, either near CCTV cameras or in a central location
 - Connect *Multi-Stream Video Servers* to a wired or wireless LAN
- *Multi-Stream Video Servers* and ethernet switches combine many video streams into a single cable or wireless link
- *Multi-Stream Video Servers* enable CCTV cameras to be located far from the central network without needing expensive fiber optic video transmission devices
- *Multi-Stream Video Servers* facilitate Wi-Fi use by limiting wireless network traffic; use throttled segments

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Boundless' New-Generation NAS ²¹ Provides Exceptional Mass Storage

- **Proprietary Network Attached Storage (NAS)**
 - Optimized for recording video
 - Online mass-storage from 100's of GB to 1 PB (1,024 TB)
 - Seamless storage of files for each video stream no longer limited to any one server
- **Fully distributed and networked using IP**
 - Each *Multi-Stream Video Server* fully controls its own networked recording using Boundless' **Storage Operating System™** (SOS), providing fault-tolerant recording
- **Uses industry-standard platform**
 - Reliable, Linux operating system optimized for live video
 - Multiple housings support different needs
 - Boundless provides turn-key hardware with preloaded software for recording, live/recorded access, motion searching

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Boundless' New-Generation NAS ²² Handles Many Video Streams

- Each *Multi-Stream Video Server* can record and provide networked access to dozens of live and recorded audio / video / event streams simultaneously
- **IP-based, MPEG-4, digital video data streams**
 - 8 Kbps to 2 Mbps/stream depending on motion & parameters
 - All images from all CCTV cameras can be stored continuously with full resolution, medium frame rate and low quantization for very high image quality without motion-gating the recording
 - **Storage Operating System™** gives fault-tolerant recording
 - Reliable data transfer of IP-based digital video from *Multi-Stream Video Server* to recording *Multi-Stream Video Servers* ensured despite transient network and server overloads, or bandwidth-limiting needed for enterprise applications
 - *Multi-Stream Video Server* creates **no network traffic** for video streams stored internally and is ideal for **Wi-Fi wireless use**

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Boundless' New-Generation NAS ²³ Provides Very High Performance

- Control is fully distributed and implemented in Boundless' *Multi-Stream Video Servers*
- Storage virtualization provides seamless access by Boundless' *Video Player* and *DisplayServer*
 - Hides countless low-level storage management details
 - Access to any point in any recorded stream is fast regardless of its duration (days, weeks, months...)
 - A video stream can span multiple *Multi-Stream Video Servers*, disks and partitions
- Storage can be increased while system runs by adding more *Multi-Stream Video Servers* to network

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Boundless' New-Generation NAS ²⁴ Is Extremely Reliable

- Boundless' *Multi-Stream Video Servers* use high capacity, low speed hard drives (not user-installable) for reliability, economy and low power dissipation
- Multiple levels of protocols ensure all audio / video / event streams are recorded reliably without problems of video streaming systems from transient network and server overloads, server crashes, and quality of service (QOS) needs of enterprise-critical applications
- Recording takes priority over remote access so recording never lost due to heavy local and remote access to live and recorded video

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Boundless Security System™ 27

Is Scalable Over Wide Range

- **A few cameras** -- boats, trains, vehicles, ATM's and surveillance drones (UAV's) using a rugged, compact, book-PC for the *Multi-Stream Video Server*
- **10's of cameras** -- banks or small retail
- **100's of cameras** -- medium airports, seaports, office complexes, college campuses, transportation centers
- **1,000's of cameras** -- large airports, office complexes, government facilities and casinos
 - fault-tolerant recording using Boundless' *Storage Operating System™*
 - distant cameras can use inexpensive fiber optic ethernet
 - expensive cabling systems and video matrix switches for live video not needed; many users can view any live or recorded video streams simultaneously via a LAN with low network traffic; Wi-Fi and throttled network segments can be used reliably despite packet loss

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Has Many Uses

• Airports	• Military installations
• Apartment buildings	• Office buildings
• Banks	• Post offices
• Biometric platform	• Power plants
• Borders	• Public events
• Casinos	• Retail stores
• Emergency vehicles	• Restaurants
• Govt. buildings	• Schools
• Hospitals	• Seaports, Ships
• Maritime	• Surveillance drones (UAV)
• Mass-transit	• Trains

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Boundless Security System™ for Boats, Drones, Trains and Vehicles

Boat, Drone (UAV), Train or Vehicle with Wireless Communication

Capture, Record and Forward: Boundless' **Multi-Stream Video Server** is a compact, Linux mini-PC or book-PC. It supports Boundless' fault-tolerant, **Storage Operating System™**. GPS and event data can be embedded in all video streams to identify vehicle location and activity for each video frame.

CCTV Cameras or other video sources such as baggage x-ray scanners

audio + video

video

PTZ

Vehicle Battery for power

Ethernet Switch with wireless WAN connection to Internet

GPS

Access Control Panel

Internet

Boundless' **Multi-Stream Video Servers** record and forward live and recorded multi-media streams from **Multi-Stream Video Servers** in vehicles and enable easy access by multiple users.

Wide Area Network PDA's access live/recorded video

A Boundless **Multi-Stream Video Server** is placed in each boat, drone (UAV), train car or vehicle. It records and forwards live and recorded video from multiple CCTV cameras simultaneously without multiplexing. It creates multiple MPEG-4, IP-video streams simultaneously, with different resolutions, frame rates and compression parameters for each camera. It satisfies competing image quality, storage, communication and display-formatting needs for investigations, monitoring and situation assessment. Distant users can access all live and recorded video using a low speed, wireless uplink from the vehicle to the Internet, even though the connection may be intermittent or vary in speed due to travel of the vehicle. Multiple live video streams @ 10 fps/camera with low resolution can be seen remotely while much sharper, high resolution, recorded video streams are accessed at the same time. Boundless' **Intelligent Bandwidth Allocation** ensures that the high resolution streams do not hog a typical, 128 Kbps wireless uplink at the expense of the live streams.

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Boundless Security System™ for Large Area Wireless / Fiber Optic Use

Monitoring Tower

Hi-Res, IR or other CCTV Cameras

Multi-Stream Video Server

Monitoring Tower

Hi-Res, IR or other CCTV Cameras

Multi-Stream Video Server

Distributed Capture and Control: Boundless' **Multi-Stream Video Servers** can use solar power. They provide all audio/video/event capture, motion detection and MPEG-4 compression. They record internally and manage selected redundant recording on distant Boundless **Multi-Stream Video Servers** using Boundless' fully distributed **Storage Operating System™**.

Record and Live-Forward: Boundless' Linux-based **Multi-Stream Video Servers** provide a new kind of network attached storage. It is optimized for video recording and completely managed by distant Boundless **Multi-Stream Video Servers** using Boundless' fully distributed, fault-tolerant, **Storage Operating System™**. The protocols used ensure reliable recording even when there are transient network and server overloads. A single media stream can be recorded across multiple **Servers**, in one or more physical locations for safety, and accessed seamlessly by Boundless' **Control Panel** software. All users can easily view all live and recorded streams.

Wireless ethernet (to 10 km)

Fiber optic ethernet (to 75 km)


Internet gateway, wireless transceivers and ethernet switch

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**...goes beyond
reliability**

Works like clockwork.™

Competitive Analysis

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Boundless Security System™

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Improves Airport Security

- Greatly improved image quality helps identify terrorists, criminals, vehicles, snipers more accurately at a greater distance, providing continuous coverage with reduced need for PTZ cameras
- Longer more economical video storage helps locate subjects over longer periods of time
- Integrated **baggage x-ray** video storage and transmission with 2-way audio helps improve efficiency of use of baggage x-ray machines, train x-ray screeners, provide immediate expert second-opinions, reduce temptation to pass contraband, and increase throughput

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Boundless Security System™ **Improves Airport Security**

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- **DisplayServer HDTV** enables passengers to view baggage searching with high resolution on large monitors, and provide **“in-your-face”** security so passengers are aware of security improvements
- Existing video surveillance systems can be retrofitted and expanded easily and inexpensively
- **Multi-Stream Video Server** interfaces to access control panels; third-party bio-, chem- and nuclear-hazard detectors to be installed near every camera, with *autonomous operation* during network faults
- Avoid conflicts between rescue teams who would otherwise compete for camera control or access to multiple cameras simultaneously

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Use of Boundless Streaming DVR **for Baggage X-Ray Scanners**

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- Capture, compress, record and view all live and recorded baggage x-ray video images
- Integrate baggage x-ray imaging into total airport video security system
- Enable distant federal inspectors to do unannounced quality spot-checks remotely
- Enable distant x-ray experts to help train guards and provide reserve manpower and second opinions
- Discourage bribing of security guards to let contraband through inspection check-points
- Use in airports and onboard trains

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Boundless Security System™ with 35 Baggage X-Ray for Airports

Record and Live-Forward: Multi-Stream Video Servers are Linux PC's with Boundless Storage Operating System™ (SOS). Redundant recording and forwarding of live audio / video / events are done here if desired, with compression and file management by Multi-Stream Video Servers on the network's edge.

View: Desktop or Notebook PC's with Boundless Control Panel software with SOS support

Distributed Capture, Recording, Control: Boundless Multi-Stream Video Servers have multiple alarm inputs, PTZ control, and audio input (opt.). They autonomously do all audio/video capture, compression and multi-zoned motion detection. They manage all details of recording on co-located or distant Servers using Boundless Storage Operating System™.

View: Thin-client LCD tablet PC's as video wall using Boundless Video Player

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Boundless' Video Player Facilitates Simple User Interface 36

- Select display layout
- Select video stream
- Select live / recorded
- Select video resolution
- Search by events
- Play / skip / pause

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Conclusion

The *Boundless Security System™*...

- provides enterprise-class, fault-tolerant, redundant operation with sharp images and ultra low communications needs
- uses Boundless' fully distributed, edge-controlled, **Storage Operating System™ (SOS)** for superior reliability, fault-tolerance, and improved access to live/recorded video
- captures each camera with three+ resolutions and frame rates simultaneously, meeting competing imaging needs of investigations, monitoring and situation assessment
- provides fully connected *virtual video matrix switch*, and *virtual video processor* at each display device, providing universal video access so every user can efficiently view live and recorded video from dozens of cameras simultaneously with multiple resolutions and frame rates, from multiple **Multi-Stream Video Servers** on multiple networks

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Boundless Security Systems, Inc.

sharper images with better access and easier installation



Fault-Tolerant, Enterprise-Class, Ultra Low Bandwidth, Digital Video Surveillance System



Works like clockwork.™

*Specifications are subject to change without notice.
Some system features may be optional.
Audio is optional and according to local statutes.*

The End

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