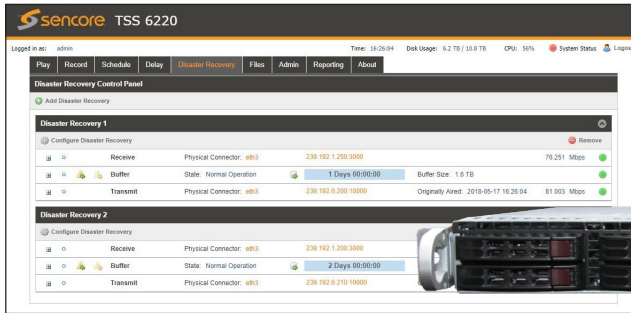


# Transport Stream Server

## TSS 6220



The TSS 6220 Transport Stream Server is the latest in Sencore's long line of media server products. It provides robust IP and ASI streaming, recording, archiving, time-delay and disaster-recovery capabilities for customers looking for a simple and cost-effective channel-in-a-box, channel-processing or storage product.

With the onboard storage and FTP/SMB file management, the unit can take stored media files and play them out according to user-supplied schedules for channel creation or en-masse for network testing and lab use. The recording option makes it easy to schedule and make captures for later playout or analysis.

The time-delay and disaster-recovery options provide intuitive time-shifting and long-term storage/replay capabilities with incredibly simple setup, configuration and status monitoring. Enhanced features like multiple delays from the same buffer and automated disaster-mode activation make the TSS 6220 usable in a huge variety of applications.

With its intuitive web UI, full web API remote control, and SNMP capabilities, the TSS 6220 offers users a simple, reliable and powerful solution for operational and lab environments.

The TSS 6220 has multiple rackmount chassis options ranging from 1RU to 3RU depending on storage requirements. The systems can also include redundant power supplies, multiple network ports and other expansion options.

## KEY FEATURES

- Effortlessly manage playlists, streaming, recording, time-delay and disaster-recovery features through the web UI
- Upload and download media files from onboard storage with FTP and SMB
- Stream hundreds of files or multiple scheduled playlists of content
- Powerful recording option for capturing streams to replay or analyze
- Accurate time-delay for dozens of streams simultaneously
- Unique disaster-recovery option for cost-effective backup of primary broadcast systems
- Long-term archiving feature to capture and organize content on a 24/7 basis.
- Support for MPEG-2, H.264, HEVC/H.265 video and all audio formats
- Robust MPEG over IP input and output capabilities including multiple 1Gbps and 10Gbps ports
- ASI input and output ports (Optional)
- Full and open web API and SNMP capabilities
- Multiple chassis and storage options to fit any application

## APPLICATIONS

- Broadcast Headend – Create multiple automated channels of content using onboard media files and user-supplied schedules. Capture streams for later playout.
- Time-Zone Shifting – Effortlessly delay streams by minutes/hours/days for broadcast of content throughout the world.
- Disaster-Recovery Backup - Capture already-broadcast content for days or weeks to use when primary redundancy goes down. Automated disaster detection and playout capabilities.
- Content Archiving – Capture incoming content 24/7 into segmented files. Easily retrieve segments for investigating regulatory, compliance and other errors in the broadcast.

# SPECIFICATIONS

## Transport Stream Server TSS 6220

### PHYSICAL INTERFACES

- Included IP Ports: 2x RJ45 1Gbps (Each port can be used for streaming and/or management)
- Additional IP Ports (Option): 2x RJ45 1Gbps  
Fiber 2x SFP 1/10Gbps
- ASI I/O (Option): 2x Input Ports (75ohm BNC)  
2x Output Ports (75ohm BNC)

### INPUT AND OUTPUT FORMATS

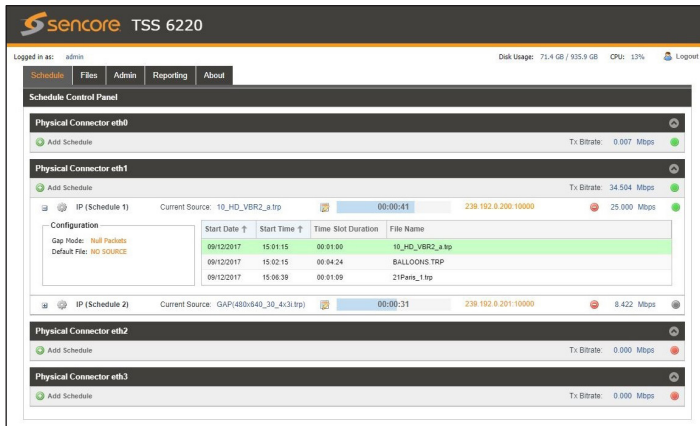
- IP Input Formats: UDP or RTP  
RTP Header Extensions Supported
- IP Output Formats: UDP or RTP
- IP Encapsulation: 1 to 7 TS Packets per IP Packet
- IP Addressing: Unicast or Multicast
- IGMP Compatibility: Version 1, 2 & 3
- IP Bitrates: 250 Kbps to 200 Mbps
- File Types: Transport streams (.ts, .trp)  
PCAP Ethernet capture (.pcap)

### MANAGEMENT

- Protocols: HTTP and SNMP
- User Interfaces: Full control via web GUI
- Automation Interfaces: Full status and control via SNMP  
Configurable SNMP traps  
Web services API available  
Syslog message logging
- Firmware Updates: Via web GUI

### POWER

- Voltage: 100-240V
- Frequency: 50-60Hz
- Redundancy: Dual, hot-swappable supplies\*  
(\*does not apply to TSS 62220)
- Protocols: HTTP and SNMP



### CHASSIS OPTIONS

- TSS 62220: 1RU chassis suitable for high-performance streaming, scheduled playlists and simple recording.
- TSS 62221: 1RU chassis suitable for time-delay, disaster-recovery and archive recording.
- TSS 62222: 2RU chassis suitable for time-delay, disaster-recovery and archive recording.
- TSS 62225: 1RU economical chassis suitable for time-delay, disaster-recovery and archive recording up to 150Mbps throughput.

### STORAGE OPTIONS

- SSD Hard Drives:
  - Intended Use: Streaming and playlists  
High-performance recording
  - Cumulative Performance: 1Gbps+ for streaming-only  
300-400Mbps for time-delay and disaster-recovery
  - Redundancy Configuration: RAID-5 for time-delay and disaster-recovery
- SAS Hard Drives:
  - Intended Use: Long-term storage for time-delay disaster-recovery and recording
  - Cumulative Performance: 200-250Mbps for time-delay and disaster-recovery
  - Redundancy Configuration: RAID-6 for time-delay and disaster-recovery

\* Physical dimensions and operating conditions vary depending on chassis and storage selection.

