

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 streaming, recording, 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 playback 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 space requirements. The system also includes redundant power supplies, multiple network ports and has numerous available 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
- 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
- Easily configure output parameters such as source IP address, destination IP address, MAC address, UDP/RTP and many others
- ASI input and output ports (future option)
- 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 playback.
- 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 playback capabilities

SPECIFICATIONS

Transport Stream Server TSS 6220

PHYSICAL INTERFACES

- Included IP Ports: 2x RJ45 1Gbps (Each port can be used for streaming and/or management)
- Optional IP Ports: Additional 2x RJ45 1Gbps
Fiber 2x SFP 1/10Gbps
- ASI I/O (Future 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
- Protocols: HTTP and SNMP

CHASSIS OPTIONS

- TSS 62220: 1RU chassis suitable for streaming, scheduled playlists and simple recording
- TSS 62221: 1RU chassis suitable for time-delay, disaster-recovery and extended recording.
- TSS 62222: 2RU chassis suitable for time-delay, disaster-recovery and extended recording.

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

