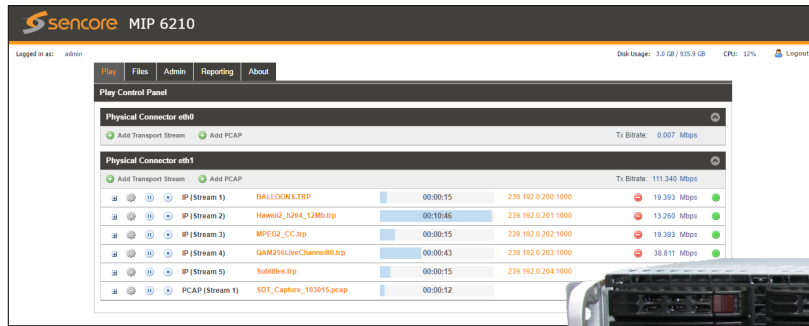


High-Rate IP Streamer

MIP 6210



By bringing together Sencore's years of experience offering innovative professional streamers and media players, the MIP 6210 High-Rate IP Streamer effortlessly aids in the design, verification, manufacturing and deployment of digital TV equipment and systems. The ability to play out hundreds of media streams at Gigabit rates makes it the ideal solution for the development and deployment of IPTV equipment, as well as a reliable signal source for qualifying IPTV networks and digital television equipment. With its full line-rate performance, this streamer is the ideal tool to test the limits of networks and IP devices.

With the onboard file storage and FTP/SMB file management, the unit can take stored media files and play them out as IP unicasts or multicasts. The MIP 6210 also support playout of multiple PCAP Ethernet capture files. With the impairments license, jitter can be added and packets purposely dropped to aid in testing network and error resilience. The recording option make it easy to schedule and make captures for later playout an analysis.

The intuitive web UI and full web API remote control allows the MIP 6210 to offer users a simple, reliable and powerful solution for operational and lab environments. The MIP 6210 comes in a rack mountable 1-RU chassis with multiple output ports and has numerous expansion options available.

KEY FEATURES

- Stream up to 100 MPEG-TS files simultaneously
- Stream multiple PCAP Ethernet capture files containing any type of packet traffic
- Support for MPEG-2, H.264, HEVC/H.265 video and all audio formats
- Upload and download media files from onboard storage with FTP and SMB
- Integrated seamless looping capabilities for continuous stream playout
- Powerful recording option for capturing streams to replay or analyze
- UDP or RTP IP mapping protocol support with unicast or multicast capabilities
- Easily configure output parameters such as source IP address, destination IP address, MAC address, UDP/RTP and many others
- Full and open web API and SNMP capabilities
- Simple and intuitive webUI for all control
- Add jitter and purposely drop packets with the impairments add-on license

APPLICATIONS

- Test Labs – Supply reliable MPEG-TS and PCAP signal sources for testing equipment such as decoders, transcoders, multiplexers, scramblers, descramblers, televisions, etc.
- Tradeshow/Demonstration – During tradeshows and demonstrations, it can provide signals as inputs to equipment on display.
- Manufacturing - Generate test streams manually or with automation for the manufacturing of IP set-top boxes and other IP equipment.
- Digital Signage - Spool video content for digital signage applications or spool firmware for STB updates.

SPECIFICATIONS

High-Rate IP Streamer MIP 6210

PHYSICAL INTERFACES

IP Ports: 2x RJ45 1Gbps
(Each port can be used for streaming and/or management)

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
File Types: MPEG 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

CHASSIS

Type: 1-RU Rackmount Server
Dimensions: 1.75" x 19" x 20" (HxWxD)
43mm x 483mm x 507mm
Cooling: Front to Back
Stream Storage: 1TB

POWER

Voltage: 100-240V
Frequency: 50-60Hz
Maximum Power: 340W

PERFORMANCE

Streaming Output: 960Mbps (Disk to all outputs)
Recording Input: 400Mbps (All inputs to disk)
Streaming plus Recording: 960Mbps (Total in + out)

OPTIONAL LICENSES

Record License: Add ability to record up to 10 simultaneous TS or PCAP streams
Impairment License: Add ability to purposely insert jitter and/or drop packets in IP outputs

The screenshot shows the 'Add Transport Stream' window with the 'General' tab selected. It contains fields for 'Stream' (Alias: Stream 1, Looping: Disabled, Seamless Looping: Disabled, Source: NO SOURCE with a Browse button), 'IP' (Physical Connector: eth1, Destination IP: 239.192.0.200, Destination Port: 10000), and 'File' tabs. At the bottom are 'Apply' and 'Cancel' buttons.

The screenshot shows the 'Add Transport Stream' window with the 'Advanced IP' tab selected. It contains fields for 'Source IP Mode' (Auto), 'Source IP' (0.0.0.0), 'Source Port' (3020), 'Source MAC Mode' (Auto), 'Source MAC' (00:00:00:00:00:00), 'TS Packets Per IP Packet' (7), and 'Encapsulation' (UDP). At the bottom are 'Apply' and 'Cancel' buttons.