MPEG-2 or H.264 Transport Stream Recorder/Player Application with IP Input and Output for Continuous Playback and/or Capture of Transport Streams from a "Bouquet" by Time or by Size (Bytes). Provisioned for Transport Streams to be Sent to Single or Multiple UDP/IP, TCP/IP and RTP/IP (Record Only) Addresses. Includes a Built-in Transport Stream Analyzer and Playback and Record Scheduler. This is a Stand Alone Application that Works with Most Ethernet Ports and Requires No DVEO Hardware. Requires Dual Channel Copper or Fiber TCP/IP Card. Includes Advanced Playback and Record Scheduler.

Features
- MPEG-2 or H.264 transport stream input and output over IP (UDP/TCP/RTP)
- Runs on most computers... Guaranteed or money back!
- Features rich easy-to-use GUI
- Rate Control for IP transmission provided by proprietary technique
- Plays and captures TS over IP from all well known video encoders, decoders, and servers including Harmonic, Tandberg, Omneon, Tektronix, Radyne, Big Band, SeaChange, Scopus, TUT Systems, and many others
- Advanced playback and record Scheduler for Day, Week, or Month
- Compatible with HD, H.264, or SD streams
- Supports unicast, multicast, and broadcast
- Bit rate up to 200 Mbps
- Supports both SPTS and MPTS
- IP in and out over 10BT, 100BT, Gig/E
- Option to select network interface cards (NIC) if more than one is available on the system
- Includes automatic transport stream Analysis Utility with PID and PCR clock info
- After analysis, user can choose to capture all PIDS or any set of selected PIDS
- Automatically uses the TS PCR info to calculate proper transport stream rate
- Selectable 188/204 packet size
- Continuous play or single play modes
- Limit capture or playback by time or by size
- Buffer overrun or underrun warnings
- MPEG-2 TS software viewer monitors output
- Includes transport streams for test purposes

Applications
- Ideal for generating test streams for testing Fiber Optic and other High Speed IP links
- Backup source for TS over IP
- Snooping or capturing TS over Gig/E IP traffic
- Monitoring or viewing a TS over Gig/E IP streams
- Video over IP server for VOD testing

Overview
StreamValve IV/IP™ is a transport stream recorder player software application with an integrated transport stream analyzer. It is ideal for testing high speed fiber optic links and copper-based IPTV links. We envision this product to be useful in product testing and development, and also in real world broadcast applications.

Several features of the StreamValve IV/IP make it useful in both lab and broadcast environments. It allows you to play a playlist in sequence. It also features a scheduler so streams can be played out at a scheduled time. These can be useful in the broadcast industry. A new feature is the ability to select the NIC. The NICs can be connected to different networks. You can capture a stream from one network and play back files to a different network. The onboard transport stream analyzer is useful to enable you to visualize the services within the incoming stream. The built-in analyzer displays the tables that are present in a multiprogram stream and helps you decide whether the particular stream you wish to capture has the correct table structure.

Six transport streams are included. Additional transport streams can be requested at time of purchase.
Analyzer GUIs

View of Program Structure
(Displays programs and their corresponding elementary streams in the Transport Stream, plus PIDs and basic PCR information)

Advanced View of Program Structure
(Displays programs and their corresponding elementary streams in the Transport Stream, plus Bitrate, PIDs, and detailed PCR information)

View of All Tables
(Displays the tables stored in the Transport Stream)

System Requirements

- Intel or AMD dual-core CPU
- 1 GB RAM
- One additional high-speed enterprise high-speed hard drives for capturing and playing back files
- For high bit rate stream, use multiple hard drives in striped RAID array
- At least single GigE NIC
- Requires Dual Channel Copper or Fiber TCP/IP card

Note: For optimum performance, use enterprise level SATA or SAS hard drives.

Ordering Information

StreamValve IV/IP

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