



Stat-Mux Advanced Broadcast DVB ASI ReMultiplexer

General

10 ASI bnc Inputs Advanced Broadcast DVB Statistical ReMultiplexer with Simulcrypt Conditional Access port, MPE Data encapsulator, DVB ASI and DVB over IP streaming out.

Performs up to > 100 megabit/s inputs and has complete PSI/SI generator, PID restamping, PID filtering, Automated per-port available service management, also manual add/drop, and Names / Tables management software included.

It is compatible with all the major CAS conditional access systems as IRDETO2, SECA2, NDS, NAGRAVISION, etc, via simulcrypt p1/p2/p3 compliant tcp-ip port.

MPE data multiplexing is also supported with the ability to encapsulate any data and TCP-IP stream over asi dvb assigning pids, specs, bitrate, priority, etc.

Typical applications as regional remultiplexing, Local Contribution insertions, Multi-Channel Bouquet creation, service filtering with ad-drop, Conditional Access, Video On Demand, IP streaming, ASI Distribution, etc., with total compatibility with any DVB-T , DVB-S, DVB-C, MMDS, ATSC, or G.703 telecom systems.

Applications

- Fixed Distribution/Contribution, Digital Turnaround
- Satellite, Cable, DVB-T, MMDS Head-end applications
- Multi channel mobile contribution
- Video Over IP Gateway with Multicast-Unicast features
- Simulcrypt Conditional Access or StreamCas or BISS Scrambling
- Transport stream processing and PSI/SI dynamic tables injector
- Video Distribution over G.703 Telecom networks
- MPE ip data over DVB encapsulation
- iTV MHP carousel data injection

Standard Features

- ALL-Features and specs to support any broadcast and mission-critical 24/7 application
- 10 ASI bnc inputs, compatible with single channel SPTS and Multi Channel MPTS ASI streams
- Performs HI-Performance Statistical Multiplexing without requiring ext. controllers or pc
- Compatible with any encoder, IRD receiver, Server, and the StreamTel's E42 Encoders for stat-mux
- TCP-IP Simulcrypt Conditional Access Port compatible with all CAS servers and systems
- Ethernet data insertion port to insert and deliver any data format and streaming into the ASI DVB out
- 3 ASI BNC outputs
- TCP-IP streaming output port for DVB over IP apps. compatible with IP STB and PC players
- Very High efficiency multiplexing algorithms for absolute PCR precision and compatibility
- Complete add/drop, re-mapping, PID filtering, re-stamping, and PSI-SI features
- Complete PSI/SI generator and management software included
- Adjustable output payload
- Windows NMS Control Software included
- Ethernet 10/100BaseT port for control and management
- 4x internal expansion slots

Main Options

- E1/E2/E3/DS3/STM1/STM4 out
- 48V
- BISS scrambling
- DVB modulator
- SMPTE310 out
- Dual AC
- SFN adapter
- SBDM Spare bitrate Data insertion manager

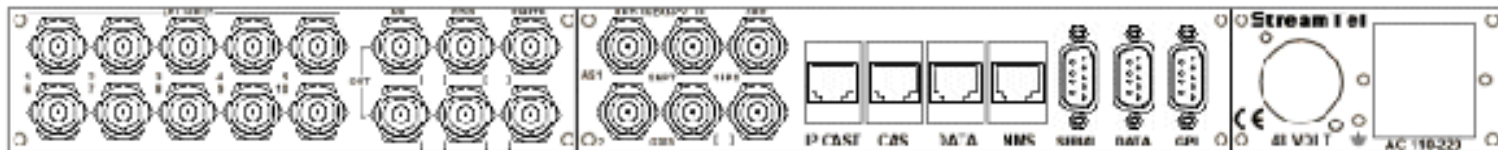
Your Benefits

- **Full-Featured**
Ultimate technology to bring you all the Mux and Re-Mux features in a 1U compact unit.
- **Total Reliability**
State-of-the-art electronic design for 7/365 operations in both standard and mission-critical applications.
- **Total Control**
Most advanced features to control any service, PID, name, table, conditional access, from local or remote NMS.
- **Best Price on the Market**
Top-class features and best performances in a price-winning package.

Highlights

- 1U Rack ASI DVB Re-Multiplexer
- Statistical Multiplexing (option)
- Advanced Re-multiplexing
- 4 to 10 ASI BNC inputs
- PID Filtering
- PID Re-Mapping
- Multiple Units cascading
- Multiple ASI out
- IP Streaming out (option)
- Symulcrypt port for C.A. Conditional Access (option)
- Hot/Backup operation
- Choice of ASI/G703/ATM/ outs
- Best Price on the Market

Connector Panel



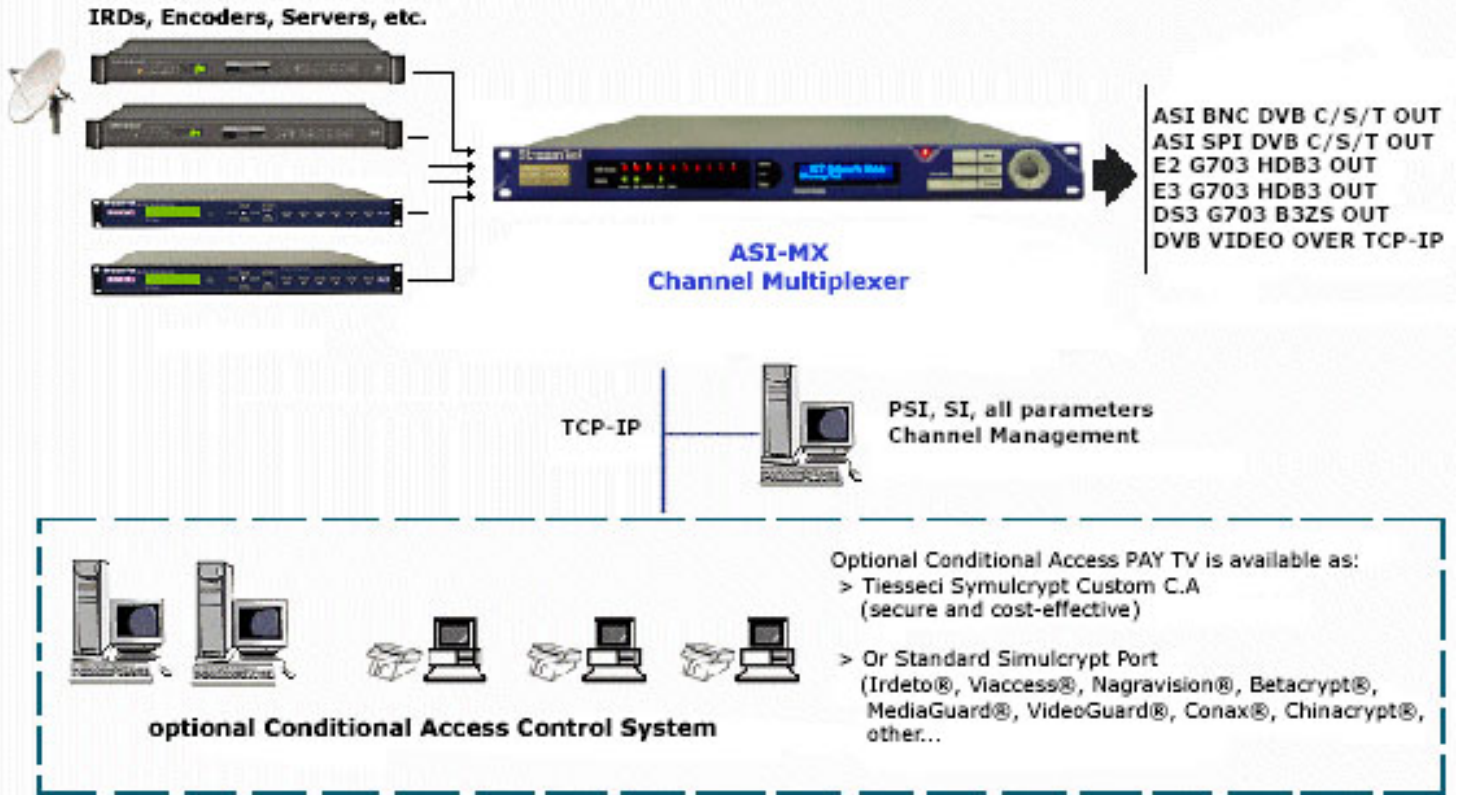
PLEASE NOTE: installed connectors depends upon the installed features and the purchased encoder version

Technical Details

Inputs	<ul style="list-style-type: none"> DVB-ASI: 4 to 10 inputs Interface: Copper TS bit rate: Up to 120 Mbps 	<ul style="list-style-type: none"> BitRate Transcoder Interface (optional)
Outputs	<ul style="list-style-type: none"> Variable Output Rate DVB-ASI: Dual output Interface: Copper TS bit rate (unscrambled): Up to 190 Mbps TS bit rate (Scrambled): Up to 78 Mbps IP Streaming: (option) Interface: RJ45 100BT Multicast + Unicast DVB over IP 	<ul style="list-style-type: none"> Telecom HDB3 (optional) Interface: G703 HDB3 BNC Unframed PDH Data rates: E2 - E3 - DS3 G703 TS packet format: 188/204 bytes FEC (optional): DVB-C FEC Telecom B3ZS - ATM (optional) Interface: ATM AAL-1 B3ZS BNC Unframed PDH Data rates: DS3, E3 G703
Processing	<ul style="list-style-type: none"> Re-Multiplexing (all input) Service level Component level Statistical Multiplexing (option) 	<ul style="list-style-type: none"> TS Processing PID Remapping PCR Restamping PSI/SI DVB Table Processing and Injection PSI/SI Generator Support for DVB Table editing and EPG insertion
Conditional Access	<ul style="list-style-type: none"> StreamCas® (option) StreamTel C.A. solution with smart cards and c.i. Multi-channel BISS scrambling (option) 	<ul style="list-style-type: none"> Simulcrypt (option) Interface: 100BaseT, ASI CAS: Irdeto®, Viaccess®, Nagravision®, Betacrypt®, MediaGuard®, VideoGuard®, Conax®, Chinacrypt®, others..
Features	<ul style="list-style-type: none"> Local Control via LCD and Keyboard Remote control Via SNMP, WEB & Serial interface NMS Remote Control Software INCLUDED Signal Lost Auto-Switch (option) 	<ul style="list-style-type: none"> Configurable Hot alarm relay (GPI) SW upgrade via RS-232 and Ethernet (TCP/IP)
Physical and Power	<p>Dimensions (H x D x H)</p> <ul style="list-style-type: none"> 44.5 x 442.5 x 500 mm (1RU x 17.5" x 20") <p>Weight</p> <ul style="list-style-type: none"> 10.4 Kg 	<p>Power Input</p> <ul style="list-style-type: none"> 90 - 260 Vac 50/60 Hz 48 Volt (option) <p>Consumption</p> <ul style="list-style-type: none"> 85W standard configuration 155W maximum depending from installed options
Environment Conditions	<p>Operating Temperature</p> <ul style="list-style-type: none"> -10°C to 50°C (14°F to 122°F) 	<ul style="list-style-type: none"> Humidity: 85% non-condensing Vibration and shock: in accordance with MIL-STD-810D
Compliance	<ul style="list-style-type: none"> CE marked in accordance with EN 50082-1 and EN 55022, Class B, FCC 	<p>Safety</p> <ul style="list-style-type: none"> in accordance with EN 60950

Application Example

ASI-MX Multiplexer Application Example



Ordering Information

Versions

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| ASI-MX10D | <ul style="list-style-type: none"> • 10 input • advanced statistical remultiplexing with integrated controller (no external pc required) • cas simulcrypt • Ethernet data insertion • 3 asi out • ip streaming out • Stat-Mux and remote control software • integrated N+1 encoder bnc change over input and controller • integrated multiplexer bnc-bnc redundancy changeover and controller |
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Options

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|----------------------|--|
| E1 | Adds Four E1 G703 outputs & bandwidth aggregation |
| E2 | Adds One E2 G703 output |
| E3 | Adds One E3 G703 output |
| DS3 | Adds One DS3 G703 output |
| STM1 | Adds One STM1 optical out |
| STM4 | Adds One STM4 optical out |
| SPI | Adds SPI parallel TS output |
| 48V | Adds redundant power supply with one AC 90-240 VAC input + one 48 Volt DC input |
| Dual AC | Adds redundant power supply with two AC 90-240 VAC inputs |
| SMPTE310 | Adds SMPTE310 output interface to drive 8VSB Transmitters in ATSC applications |
| SFN | Adds Single Frequency Network MIP injector with 10 Mhz / 1pps sync inputs and complete management with all flags/modes |
| DVB Modulator | Add DVB-C / DVB-T / DVB-S / DVB-H modulator for telecom cable & applications |
| QAM | Adds internal DVB-C digital Cable Modulator, all QAM modes, Full-Band 40 – 900 Mhz |