



CHARACTERISTICS

- Support for MPEG, DVB and ATSC standards
- Up to 8 Transport Stream inputs
- Support for ASI and SMPTE310M interfaces
- Dual ASI and SMPTE 310M monitoring outputs
- SI (DVB) and PSIP (ATSC) opportunistic data insertion
- ASI/SMPTE 325M flow control output for insertion of opportunistic data
- Output table parameter editing capability
- Configurable output bitrate
- Support for program filtering, blocking and remapping (grooming)
- Automatically fixes conflicts across PIDs
- Input and output frames PID parsing capability
- 10MHz and 1 PPS inputs for synchronization
- Front panel LED status indicators
- Multiple interfaces for control and configuration:
 - A display and keypad at the front side of the equipment
 - Local RS-232
 - Centralized management with SIVAC NMS
 - TCP/IP from a web browser
 - SNMP-based alarms

TS MULTIPLEXER

SIVAC MTS1000 is SAPEC's remultiplexer combining up to 8 multi-program or single-program (MPTS or SPTS) Transport Stream (TS) inputs and provides the necessary tools for setting up and manipulating the output TS.

SIVAC MTS 1000 supports the MPEG, ATSC and DVB standards, and processes and regenerates the tables. Some output tables parameters can be added and modified, such as, for instance, those relating to the network information.

All inputs support the TS over DVB-ASI format. Input 1 is also software configurable as ASI or SMPTE 310M.

The equipment provides 4 outputs:

- 2 ASI outputs (1 for monitoring);
- 2 SMPTE 310M outputs (1 for monitoring);

SIVAC MTS 1000 enables to manipulate each PID separately. There are two basic modes of operation:

- Manual routing: Allowing to block, pass-through or re-map each PID;
- Automatic routing: Automatically fixes conflicts across PIDs;

SIVAC MTS 1000 supports insertion of SI opportunistic data in DVB and PSIP in ATSC.

The **SIVAC MTS 1000** family supports configuration and alarm display via a web browser, front display, and also provides an SNMP agent for external monitoring. The equipment can also be managed centrally and simultaneously with **SIVAC NMS 1000** management system.

SIVAC MTS 1000 features make it especially suitable for DVB or ATSC head-end applications where combining and manipulating multiple video sources (encoders, video servers, etc) into a single TS is required.

BUSINESS BENEFITS

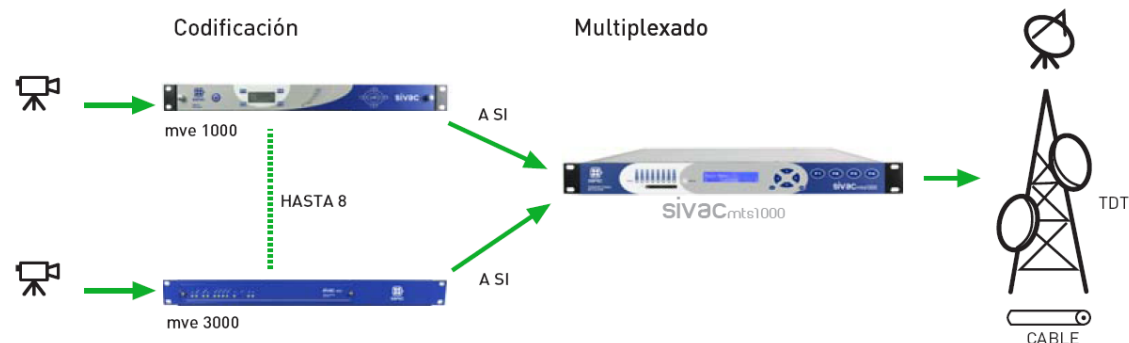
Data Analyzing – SIVAC MTS 1000 allows to quickly and conveniently analyze the input and output TSs through different graphical PID and table visualization methods.

Easy configuration – SIVAC MTS 1000 series equipment include a front panel display making on-site equipment configuration easier.

APPLICATIONS

SIVAC MTS 1000 features make it especially suitable for DVB or ATSC head-end applications where combining and manipulating multiple video sources (encoders, video servers, etc) into a single TS is required.

TYPICAL APPLICATION



TECHNICAL SPECIFICATIONS
SIVAC MTS1000

Input

Number of inputs:	Up to 8 -Input 1 selectable as ASI or SMPTE310M -Rest DVB-ASI inputs
Interfaces:	DVB-ASI: up to 213 Mbps Support for Burst and Spread modes SMPTE310M: 19.39 Mbps or 38.78 Mbps
Supported input standards:	-MPEG-2 TS -DVB -ATSC

Output

Number of outputs:	Up to 4, depending on the configuration -2 dedicated ASI outputs (one for monitoring) -2 selectable SMPTE 310M outputs (one for monitoring) -1 dedicated ASI SMPTE 325M output
Interfaces:	DVB-ASI: up to 213 Mbps -Spread Mode -SMPTE 310M: 19.39 Mbps or 38.78 Mbps
Opportunistic data flow control:	SMPTE 325M
Supported output standards:	-MPEG-2 TS -DVB -ATSC

GPIO and alarms

Alarms:	Support for alarm relay configuration
General Purpose Input/Output:	One general-purpose input-output available

System management

Front:	Front Panel controls with display
WEB Browser:	WEB Browser accsses
NMS:	SIVAC NMS Control (optimal SAPEC NMS software)
SNMP:	Support for SNMP V2

Environmental

Power	
Input Voltage Range:	AC 85 - 265 V/ 50Hz-60Hz
Typical Consumption:	<50W
Operating Temperature:	0°C to 50°C
Physical	
Dimensions :	19" wide x 1RU high x 393,7
Weight:	5.57 Kg

SAPEC reserves the right to change the specifications without notice

