

## MULTIPLEXER

### DMUX-500i

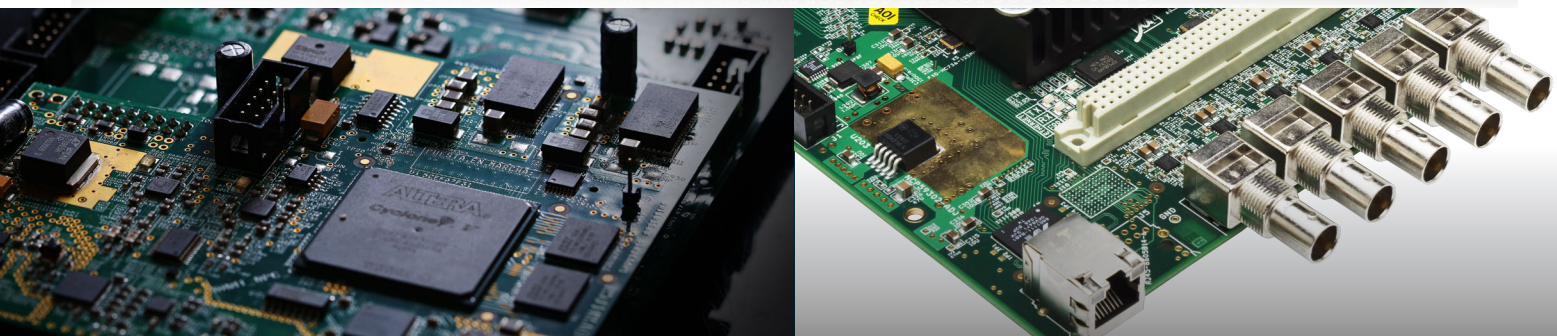
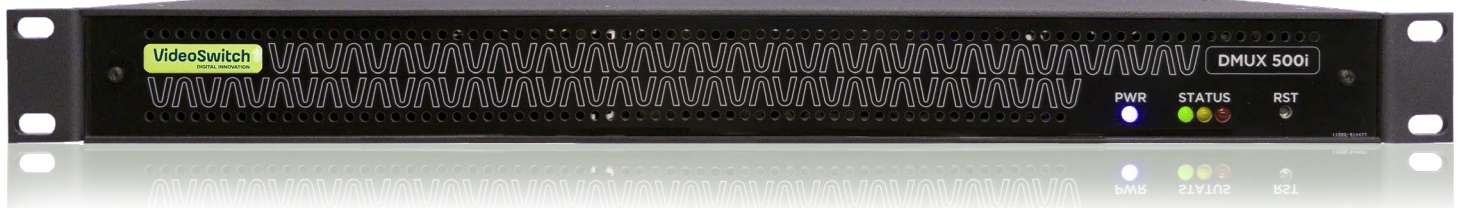
## ISDB-T INTERNATIONAL STANDARD

### ► Ideal for repeaters

- Cost-effective, high performance
- Integrable with any transmitter that complies with the ISDB-T International Standard

### ► Simple and Robust

- Active and redundant ASI and IP inputs
- Duplicate BTS output



### MAIN FEATURES

- ISDB-T Multiplexer compatible with MPEG and ISDB-T International standards
- BTS generation according to ARIB STD-B31 and ABNT NBR 15601
- Independent Ethernet Video and Control interfaces
- Manual and automatic PMT edition, allowing Closed Caption insertion, OAD, Ginga, etc.
- Compatible with ARIB TR-B14 operation guide, which guarantees its correct working with every receiver
- Service bit rate limiter
- Automatic redundancy for inputs and services
- EWBS signaling for emergency information
- Synchronization for Single Frequency Networks
- Software licensing
- Supports EPG, Closed Caption and Ginga servers, including SSA (Auxiliary Services Server) from VideoSwitch
- Non PC-based, embedded FPGA/Microprocessor

**Multiplexer Equipment for Digital Terrestrial Television broadcasting stations compatible with MPEG and ISDB-T International multiplexing standards. Prepared to operate both in MFN and SFN networks.**

It is capable of generating and retransmitting PSI and SI tables. It has 10 MHz and 1 PPS inputs and outputs for SFN networks synchronization and it can optionally house a GPS receiver in the same case

It has 1 Gigabit Ethernet (RJ-45) IP input/output interface and up to 4 ASI (BNC) inputs. All of them can be set as active or redundant.

It has 1 ASI / BTS output (2 BNC) and 1 ASI/BTS Monitoring output (BNC). It is also capable of generating the BTS over IP Unicast as well as Multicast.

The device incorporates a simple and intuitive Web-configuration interface that makes system management easier and provides a user-friendly graphical interface so that any person with basic knowledge may operate it. It also provides support for SNMP monitoring and control systems . In every case, there is an access control system so that only authorized users can operate it.



DMUX-500i

ISDB-T MULTIPLEXER

**FUNCTIONS**

- Multiplexing of up to 32 services by BTS
- PIDs, Transports and Services remapping
- Manual and automatic PMT edition
- BTS generation in compliance with ARIB STD-B31 and ABNT NBR 15601
- Generation and retransmission of PSI and SI tables according to ABNT NBR 15603
- Correction and re-stamping of PCRs
- Automatic redundancy of inputs and services, with internal switch-over (L)
- Automatic EIT editing for Service ID correction (L)
- Synchronization for SFN networks (L)
- Bitrate Limiter for Entry and Service (L)
- EWBS (Emergency Warning Broadcast System) signaling for Emergency Information (L)
- Optional: Integrated GPS receiver for internal generation of 10 MHz and 1 PPS references [G]

**DATA INTERFACES**

- 1 x GbE UDP/IP Input / Output (1 x RJ45)
- 4 x ASI inputs (4 x BNC)
- Supports up to 248 SPTS/MPTS over IP Unicast/Multicast + 4 SPTS/MPTS over ASI Inputs
- 1 x Duplicate ASI-BTS Output (Main + BackUp) (2 x BNC)
- 1 x ASI BTS (Monitoring) (1 x BNC)

**REFERENCES**

- Input and Output (Active Loop) of 10MHz and 1PPS
- High precision Internal Oscillator with Hold Over
- Optional: Integrated GPS receiver [G]

**CONTROL**

- Software and Firmware management and update through a user-friendly and intuitive Web Interface
- User control for access restriction
- Indication of the global status of the device with alarms and error log.
- RS-232 port for service and maintenance
- Monitoring and control via SNMP protocol (L)

**GENERAL**

- 1 UR 19 "x 160mm (depth) - Fixed internal Power Supply
- Maximum Power Consumption 20W (depending on the addition of optional features)

(L): Software Licensing