

## REMULTIPLEXER

**DMUX-1000iL** **DMUX-2000iL**

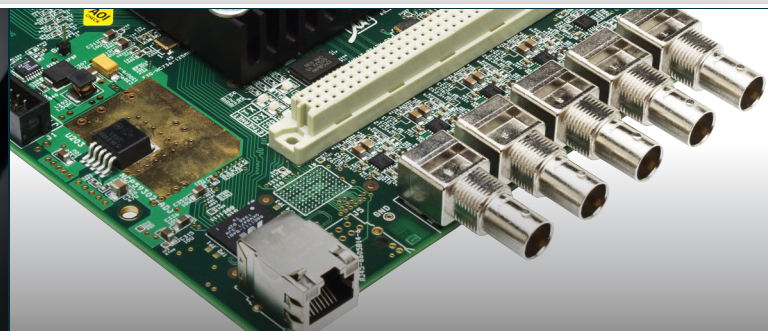
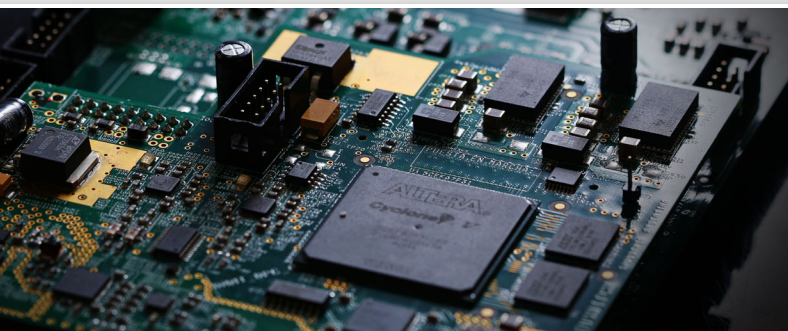
ISDB-Tb STANDARD

### ► Multiple Configurations

- ASI and IP inputs, active and redundant
- Up to 4 BTS per device
- Service bit rate limiter
- EWBS (Emergency Warning Broadcast System)

### ► Interoperability

- With any transmitter that complies with the ISDB-T standard



### MAIN FEATURES

- ISDB-Tb remultiplexer compatible with the MPEG and ISDB-Tb standard
- BTS generation according to ARIB STD-B31 and ABNT NBR 15601
- Transport, service and PID remapping
- Manual and automatic PMT edition, allowing Closed Caption insertion, OAD, Ginga, etc.
- Compatible with the 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
- Local manufacturing, support and guarantee

**Remultiplexer Equipment for Digital Terrestrial Television broadcasting stations compatible with MPEG and ISDB-Tb 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 network synchronization and it can optionally house a GPS receiver in the same case.

It has 1 or 2 IP Gigabit Ethernet (RJ-45) inputs and up to 8 ASI (BNC) inputs. All of them can be set as active or

redundant. It has from 1 to 4 ASI / BTS redundant outputs (2 BNC per each output) and 1 ASI / BTS Monitoring output (BNC).

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-1000iL/2000iL

### ISDB-TB REMULPLEXER

#### FUNCTIONS

- Multiplexing of up to 32 services by BTS
- PIDs, Services and Transports remapping
- Manual and automatic PMT edition
- BTS Generation in compliance with ARIB STD-B31 and ABNT 15601
- Generation and Retransmission of PSI and SI tables
- Correction and re-stamping of PCRs
- Automatic Redundancy per Input and Service with internal switch-over (L)
- Automatic edition of EITs for Service ID correction (L)
- Synchronization for SFNs (L)
- Bitrate Limiter per Input and Service (L)
- EWBS (Emergency Warning Broadcast System) signaling for Emergency Information (L)
- Optional: Embedded GPS receiver for internal generation of 10 MHz and 1 PPS References

#### INPUTS

- Standard: 1 IP GbE Input/Output + 4 ASI inputs
- Optional: 2 IP GbE Inputs/Outputs (2 x Data / Main + BackUp / Input + Output) (Only 2000iL models)
- Optional: 8 ASI Inputs (8 x Data / 4 x Data + 4 x Backup)

#### REFERENCES

- Input and Output (Active Loop) of 10 MHz and 1 PPS
- High accuracy Internal Oscillator with Hold Over
- Optional: Embedded GPS receiver.

#### OUTPUTS

- From 1 a 4 redundant ASI BTS (Main + BackUp) + 1 IP GbE Input/Output
- 1 x ASI BTS (Monitoring)
- Optional: 2 IP GbE Inputs/Outputs (2 x Data / Main + BackUp / Input + Output) (Only 2000iL models)

#### CONTROL

- Software and Firmware management and update through a user-friendly and intuitive Web Interface
- User control for access restriction
- Front panel for basic configuration
- Errors and Alarms Log
- RS-232 port for service and maintenance
- Monitoring and control through SNMP protocol (L)
- Dual Ethernet Interface for control and monitoring (only 2000iL models)

#### OPTIONAL MODULES

- 4 ASI inputs expansión
- Embedded GPS receiver

#### GENERAL

- 1000iL models: 1U 19" x 250mm (depth) – Single fixed Power Supply
- 2000iL models: 1U 19" x 480mm (depth) – 2 x Redundant Hot-Swap Power Supplies
- Maximum Power Consumption 55W (depending on options)

(L): Software licensing