

MULTIPLEXER

DMUX-3000i

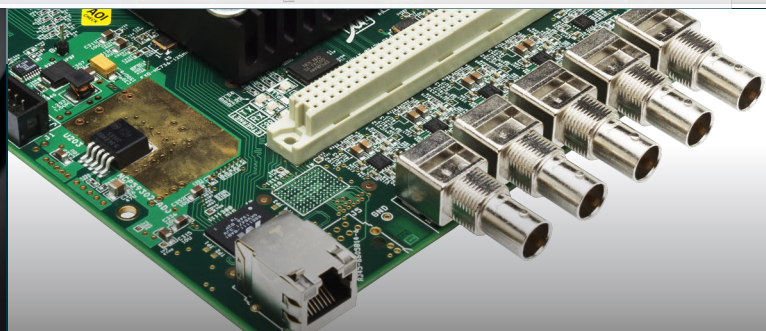
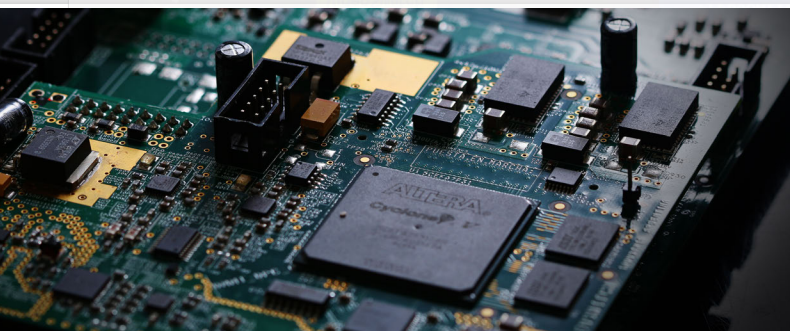
ISDB-T INTERNATIONAL STANDARD

► 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 International standard



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 with redundant option
- 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 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). 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 a user access control system so that only authorized users can operate it.



DMUX-3000i

ISDB-T MULTIPLEXER

FUNCTIONS

- Multiplexing of up to 32 services by BTS
- Independent Ethernet Video and Control interfaces with redundant option
- 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 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)
- Service splicing (L)
- Optional: Embedded GPS receiver for internal generation of 10 MHz and 1 PPS References [G]

INPUTS

- Standard: 1 IP GbE Input/Output + 4 ASI inputs
- Optional: 2 IP GbE Inputs/Outputs (2 x Data / Main + BackUp / Input + Output) [2ID]
- Optional: 8 ASI Inputs (8 x Data / 4 x Data + 4 x Backup) [8A]
- Supports up to 248 SPTS/MPTS over IP Unicast/Multicast + 4(8) SPTS/MPTS over ASI

REFERENCES

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

OUTPUTS

- From 1 to 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) [2ID]

CONTROL

- Software and Firmware management and update through a user-friendly and intuitive Web Interface
- User control for access restriction
- Hotswap front panel for basic configuration and access to fans and power supplies
- Indication of the global status of the device with alarms and error log.
- RS-232 port for service and maintenance
- Monitoring and control through SNMP protocol (L)
- Optional: Dual Ethernet Interface for control and monitoring [2IC]

OPTIONAL MODULES

- 4 ASI inputs expansion [8A]
- Embedded GPS receiver [G]

GENERAL

- 1U 19" x 250mm (depth) – Single removable Power Supply
- Optional: Hot-Swap Power Supplies [2 FNT]
- Maximum Power Consumption 30W

(L): Software licensing