HARDWARE
AND SOFTWARE
SOLUTIONS
FOR DIGITAL TV

VideoSwitch
DIGITAL INNOVATION

MULTIPLEXER

DMUX-3100

NEW CORE

NEW WEB INTERFACE

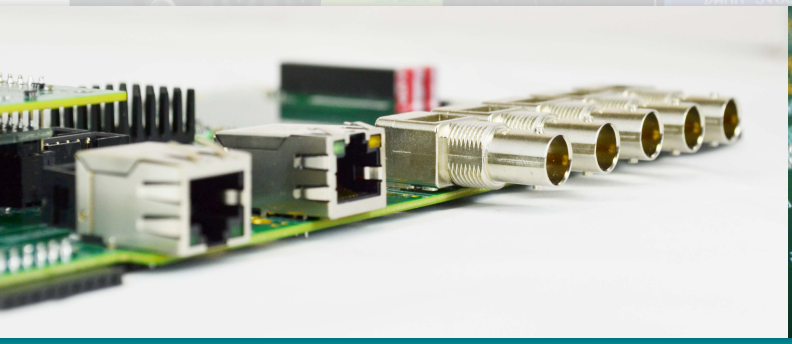
ISDB-T INTERNATIONAL STANDARD

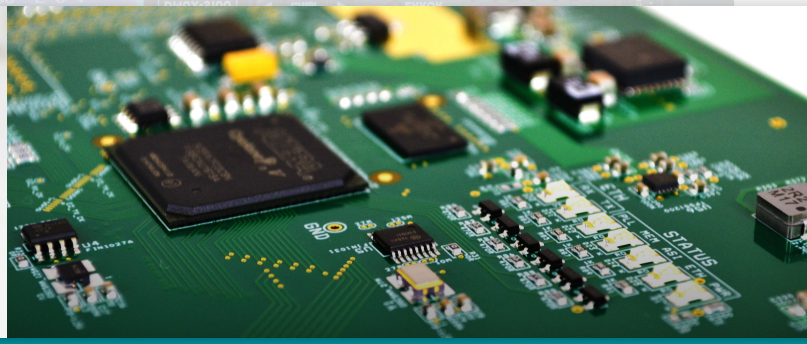
Multiple Configurations

- ASI and IP inputs, with automatic redundancy
- 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
- Manual or Automatic activation of EWBS and Superimpose via EWDT processing
- 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 NEW

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.

This multiplexer also has the EWDT (Emergency Warning Distribution Table) processing function, which allows activating the EWBS emergency alert together with the Superimpose automatically when it receives this table on any of its inputs.

Configuration and monitoring via Web and SNMP, with access control system.

DMUX-3100

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 Sevice ID correction (L) Synchronization for SFNs (L) Bitrate Limiter per input and service (L) EWBS and Superimpose signaling with manual or automatic activation via EWDT (Emergency Warning Distribution Table) (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 NEW 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

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