

DECOMPRESSOR AND MULTIPLEXOR

DMUX-500W

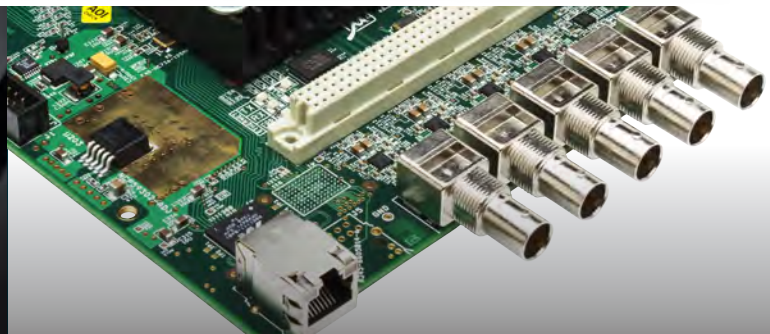
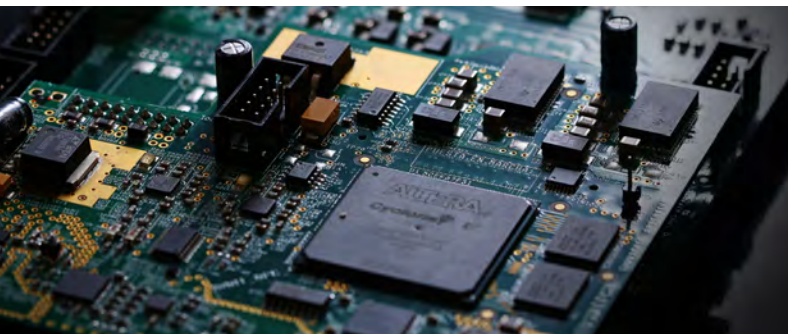
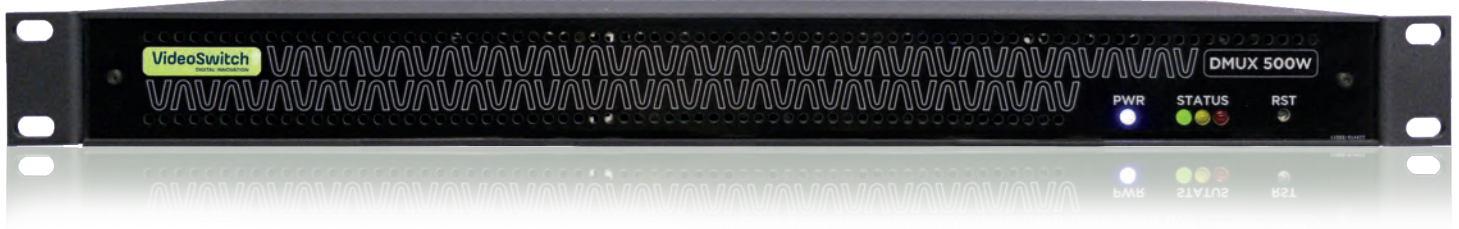
With EWDT Processing

Multiple Configurations

- ASI and IP inputs, with automatic redundancy
- Duplicate BTS output
- EWBS (Emergency Warning Broadcast System)

Embeddable

- Integrable with any transmitter that complies with the ISDB-T International Standard



MAIN FEATURES

- ▶ ISDB-Tb Decompressor and Multiplexer compatible with MPEG and ISDB-Tb standards
- ▶ BTS generation according to ARIB STD-B31 and ABNT NBR 15601
- ▶ Independent Ethernet Video and Control Interfaces
- ▶ Manual and automatic PMT editing allows insertion of Closed Caption, OAD, Ginga, etc.
- ▶ Compatible with operation guide ARIB TR-B14 to ensure the correct functioning in all the receivers
- ▶ Bit Rate limitation through Service
- ▶ Input and Service with automatic redundancy
- ▶ Automatic activation of EWBS and Superimpose via EWDT processing
- ▶ Synchronization for SFN networks
- ▶ Software licensing
- ▶ Supports EPG, Closed Caption y Ginga servers, including SSA (Auxiliary Services Server) from VideoSwitch
- ▶ Non PC-based, embedded FPGA/Microprocessor
- ▶ Supports EWDC-300

Decompressor and Multiplexer Equipment for Digital Terrestrial Television transmitting stations compatible with the MPEG and ISDB-Tb multiplexing standards. Prepared to operate in both MFN and SFN networks.

It is capable of generating and retransmitting PSI and SI tables. It has 10MHz and 1PPS inputs and outputs for SFN network synchronization and can optionally incorporate a GPS receiver within the same cabinet.

It has 1 IP Gigabit Ethernet (RJ-45) in/out interface and 4 ASI (BNC) inputs. All can be configured as active or redundant.

It has 1 redundant ASI / BTS output (2 BNC) and 1 ASI / BTS Monitoring output (BNC). It also has the ability to generate BTS over IP both Unicast and Multicast.

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

The equipment includes a simple and intuitive Web configuration interface that facilitates the management of the system and provides a friendly graphical interface allowing anyone with minimal knowledge to operate it. It also has support for SNMP monitoring and control systems. In all cases, an access control system is available so that only authorized users can operate it.



**DMUX-500W
DECOMPRESSOR AND MULTIPLEXOR**

FUNCTIONS

- Multiplexing up to 32 Services
- Remapping of PIDs, Services and Transport
- Manual and automatic PMT editing
- BTS generation according to ARIB STD-B31 and ABNT NBR 15601 with insertion of Null Packets
- 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 by Entry and Service (L)
- EWBS and Superimpose signaling with automatic activation via EWDT (Emergency Warning Distribution Table) (L)
- Clean Switching of Services (L)
- Integrated GPS receiver for internal generation of 10 MHz and 1 PPS References [G] (Option)

DATA INTERFACES

- 1 IP GbE input/output (1 x RJ-45)
- 4 ASI inputs (188 o 204 bytes) (4 x BNC 75Ω), compatible with DVB-ASI (MPEG-2 TS).
- Supports up to 248 SPTS/MPTS through IP Unicast/Multicast + 4 SPTS/MPTS through ASI Input
- 1 ASI BTS redundant Output (Main + BackUp) (204 bytes) (2 x BNC 75Ω), compatible with BTS ISDB-Tb (32.5 Mbps) and DVB-ASI (MPEG-2 TS)
- 1 ASI BTS Monitoring Output (1 x BNC 75Ω)

REFERENCES

- Input and Output (Active Loop) of 10MHz and 1PPS (4 x BNC 75Ω)
- High precision Internal Oscillator with Hold Over
- Integrated GPS receiver [G] (Option)

CONTROL

- Software & Firmware management and update via friendly and intuitive Web Interface
- User control for restricted access
- Shows the global status of the equipment with alarm and error logs
- RS-232 port for service and maintenance
- Monitoring and control via SNMP protocol (L)
- Data-independent Ethernet control interface (1 x RJ45)

GENERAL INFO

- 1 UR 19" x 160mm (depth) - Fixed internal power supply
- Maximum Power Consumption: 20W (depending on the addition of optional features)
- Power supply: 85-264VAC (47Hz-63Hz)

(L): Software licensing.