HARDWARE
AND SOFTWARE
SOLUTIONS
FOR DIGITAL TV

VideoSwitch
DIGITAL INNOVATION

EMERGENCY WARNING DISTRIBUTOR & COMPRESSOR

EWDC-300

▶ **BTS Compressor and Emergency Warning Transmitter via EWDT (Emergency Warning Distribution Table)**

▶ **TS 188 bytes output compatible with satellite systems**

MAIN FEATURES

▶ Up to 6 BTS inputs, 2 ASI and 4 UDP/IP (2 x RJ45)

▶ Automatic input redundancy (option)

▶ BTS processing for EWBS and Superimpose detection

▶ Dual-power supply redundant option

▶ Monitoring and control via Web interface

▶ Compact cabinet

▶ Up to 4 compressed BTS outputs (188 bytes), 2 ASI and 2 UDP/IP

▶ EWDT generation for Emergency warning and Superimpose transmission by satellite

▶ Non PC-based, embedded FPGA/Microprocessor

▶ Status information on the front panel through LEDs

▶ Compatible with DMUX-3000W y DMUX-500W

The EWDC-300 is a BTS processor and compressor equipment compatible with the ISDB-Tb standard that allows adapting this signal to a satellite transmission channel while maintaining the EWBS early warning signal. This functionality is achieved through the generation of an EWDT table (Emergency Warning Distribution Table) which allows sending all the emergency information so that the satellite transmission doesn't modify it. The specification of this table is open source and will be incorporated as a recommendation within the ISDB-T standards.

The equipment has ASI and IP inputs and outputs, facilitating the assembly of any installation. It also has input redundancy as well as duplicate outputs so that redundant systems can be built. It also has double redundant power supply, as an option.

The equipment includes a simple and intuitive Web configuration interface with access control that facilitates the management of the system and provides a friendly graphical interface. This allows anyone with minimal knowledge to be able to operate it.

The system is 100% compatible with satellite systems, allowing both cable operators and households (DTH) to receive the compressed signal without problems with any standard STB. You can even incorporate signal encryption without disturbing the EWBS transmission.

EWDC-300

BTS COMPRESSOR & EWDT GENERATOR

FUNCTIONS	BTS processing according to ABNT NBR 15601 y 15608 Packet conversion from MPEG 204 bytes to 188 bytes compatible with satellite systems BTS stuffing cancelling (Null Packets) for bitrate reduction Variable bitrate output. Constant bitrate output (option) EWDT generation for Emergency warning and Superimpose transmission by satellite Automatic input redundancy (option)
DATA INTERFACES	1 o 2 Inputs and up to 2 IP GbE Outputs (2 x RJ-45) with 4 UDP/IP input sockets and 2 outputs (option) 2 ASI/BTS Inputs (204 bytes) (2 x BNC 75Ω), compatible with BTS ISDB-Tb (32.5 Mbps) and DVB-ASI (MPEG-2 TS) 2 identical ASI/TS Outputs (188 bytes, 2 x BNC 75Ω), compatible with DVB-ASI (MPEG-2 TS)
SYNCHRONISM	Clock Input 10MHz (1 x BNC 75Ω)
CONTROL	Software & Firmware management and update via Web interface Data-independent Ethernet control interface (1 x RJ45) Control panel to restrict users access Shows the global status of the equipment with alarm and error logs Emergency activation record (option)

GENERAL INFO	Power supply: 85~264VAC (47Hz-63Hz)
	Consumption: 25W (Max.)
	Cabinet type:
	    o 1/3 UR (1UR height x 1/3UR width) (Simple power supply)
	    o 2/3 UR (1UR height x 2/3UR width) (Double power supply)
	Rack assembly kit included