

DAB / DMB MULTIPLEXER



- D-VAUDAX is VDL's all-in-one audio, video and data multiplexer bringing all key functions in one unit.
- D-VAUDAX has been designed by a DAB/DMB network provider to meet the concrete and specific requirements of broadcasters.

D-VAUDAX

1 box with 5 assets :



- *Compactness, Flexibility & Adaptability*
For reducing costs
For building easily any system,
simple or complex
- *Data Services*
For broadcasting efficiently
Multimedia services
- *Remote Control & Remote Management*
For controlling systems entirely from any place
- *Security & Redundancy*
For guaranteeing a continuous service
- *Easy Management and User-friendliness*
For accessing the main functions quickly and simply
For efficient management



Specifications

KEY FEATURES

- Real-time multiplexing of video, audio and data sources
- Seamless dynamic reconfiguration
- Can be controlled via scheduler or open API
- Single or dual-redundant operation
- Error reporting via e-mail or SNMP traps
- Seamless audio bit rate reconfigurations
- Class-leading dynamic FIC generation algorithm

- Compliant with both local and remote encoders
- Support for all specified character sets
- Redundancy possible with both "N+1" and "N+N" operation
- Time-stamp compliant operation for SFN synchronisation (ETI-TIST)
- Interfaces with 1 pps and 2.048 Mbps (E1) GPS Time Reference

Automatic FIC Generation

- Uses current configuration information
- Transmits next configuration information prior to reconfiguration
- External FIG feeds including announcements and dynamic program type

HARDWARE

Uses a standard Industrial rack mount PC platform Specifications :

- Intel Chipset
- SDRAM 256MB
- 10/100 Base-T Ethernet Card
- 2 x IDE HD in RAID 1
- CD-ROM
- Redundant Power Supply Option
- Linux operating system (Redhat 7.2)
- LCD control panel for management and alarms

COMPATIBILITY

- ETSI EN 300 401 v1.4.1 main DAB standard
- ETSI ETS 300 799 Ensemble Transport Interface
- Network Independent Layer ETI (NI, G703)
- Network Adapted Layer ETI (NA, G704) (5592 & 5376)
- DAB Modes I, II, III and IV

SPECIFICATIONS INPUTS/OUTPUTS

INPUTS

MPEG-1 Layer II

- MPEG 1/2 Layer II via X21 or IP
- up to 16 x 21 inputs and/or up to 63 audio streams via IP
- 384 kbps max. bit rate per encoder

DAB+

- DAB+ HE-AAC V2 via X21 or up to 16 x 21 inputs and/or up to 63 audio streams via IP

PAD Insertion via TCP-IP (both local & MUSICAM based)

- DLS
- MOT (including Broadcast Web Sites, TPEG & Slide Show)
- Output on RS232

Packet/Stream data insertion via TCP-IP

- MOT (including Broadcast Web Sites, TPEG & EPG & Slide Show)
- DMB
- Traffic announcement switch,
- TDC
- IP tunneling

ETI input

- ETI-NI (G.703) via 75 ohms BNC
- ETI-NA⁵⁵⁹² (G.704) via 75 ohms BNC
- ETI-NA⁵³⁷⁶ (G.704) via 75 ohms BNC
- STI-PI (G.703) via 75 ohms BNC
- STI-PI (G.704/1) via 75 ohms BNC
- STI-PI (G.704/2) via 75 ohms BNC

GPS Input Capability

- 2048 kbps (E1) reference 75 ohms BNC
- 1 pps reference TTL input 50 on SMA

OUTPUTS

- ETI-NI (G703) via 75 ohms BNC
- ETI-NA⁵⁵⁹² (G704) via 75 ohms BNC
- ETI-NA⁵³⁷⁶ (G704) via 75 ohms BNC



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