

DAB/ DAB+ ENCODER

Our DAB/DAB+ audio encoder is based on the latest hardware and software technology, optionally incorporating the Fraunhofer broadcast audio codec.

The connection with the multiplexer is IP-based, and the encoder can be fully controlled remotely through a web server, accessible from the two LAN interfaces and SNMP. The platform's flexibility enables the management of various audio sources, including analog, digital, AES67, and IP streams.

Additionally, it features an optional six bands audio processor designed for specific DAB+ applications, ensuring impeccable audio

definition with ITU1770-compliant loudness control.



MAIN ADVANTAGES

- ISO/MPEG 1/2 layer 2 DAB encoder (EN300401).
- Supports all MPEG data rates.
- DAB sampling frequencies of 24 and 48KHz.
- DAB+ sampling frequencies of 32 and 48KHz.
- Link to multiplexer with TCP protocol, EDI with timestamp for synchronization.
- Remote control and DLS, SLS, DL+ on PAD through LAN interface.
- Webserver configuration.
- SNMP protocol.
- Six bands audio processor with loudness control ITU1770 (optional).

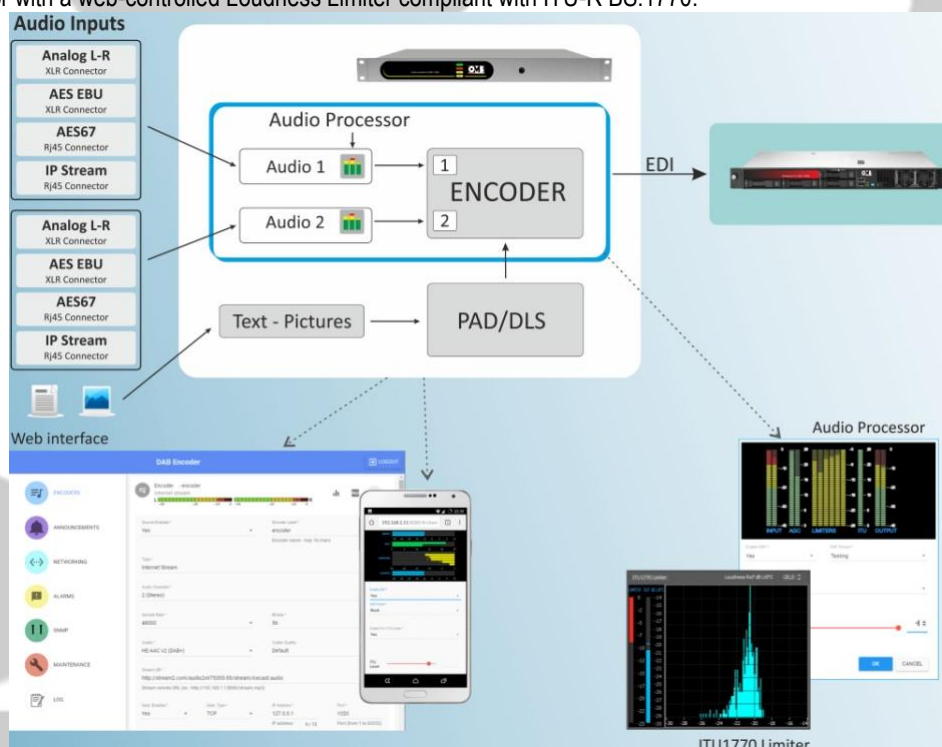
GENERAL CHARACTERISTICS

AUDIO INPUTS	Analog XLR(F) connector AES-EBU XLR(F) connector IP streaming AES67 RJ45 connector
OUTPUT	IP double RJ45 (management and link to multiplexer)
INPUT TYPE	Balanced
INPUT IMPEDANCE	>10kΩ
FREQUENCY RESPONSE	<10Hz to 48KHz (-3dB, 24bit/96KHz format)
INPUT THD + NOISE	0.0004% (-108dB) @1KHz at -2dBfs
AD CONVERTER RESOLUTION	24bit

REFERENCE INPUT	NTP RJ45 connector
AUDIO CODING ALGORITHM	MPEG-4 HE-AACV2 ETSI TS 102 563
AUDIO CODING MODES	Mono, Mono + SBR, Stereo, Stereo + SBR, Stereo + SBR + PS
SYNCHRONIZATION	NTP configurable
OPERATING SYSTEM	Linux
PROCESSOR	Intel® quad core
POWER INPUT	IEC type connector
POWER SUPPLY	Redundant dual power supply
INPUT VOLTAGE	95-240Vac, 50/60Hz
INPUT FREQUENCY	47-63Hz
POWER CONSUMPTION	35W maximum
WEIGHT	3,7Kg
OPERATION TEMPERATURE	+5 to +40°C
STORAGE TEMPERATURE	0 to +85°C
HUMIDITY	<90%
DIMENSIONS	One standard rack unit of 19" 48,2x44,5x31cm

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The encoder goes between the audio sources and a multiplexer. Its versatility enables the reception of inputs from various audio sources, including streams, AES-EBU, AES67 and analog signals. The encoder handles DL/DL+, DLS, and slideshow functionalities, incorporating data from streaming sources. Optionally, it offers a six band audio processor with a web-controlled Loudness Limiter compliant with ITU-R BS.1770.



* The images and/or technical specifications are subject to change without previous notice.