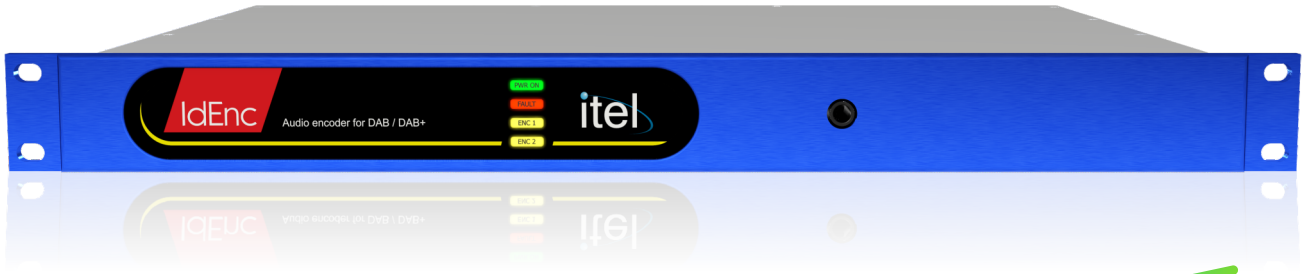
IdEnc

Encoder DAB / DAB+



IdEnc is a DAB and DAB+ audio encoder based on the last HW and SW technology. It is available in option latest **Fraunhofer** broadcast audio codec.

The flexibility of the platform allows the management of different Audio sources (Analog, Digital, AES67 and IP Stream).

Audio encoding modes supported in DAB are: Mono, Joint Stereo, Stereo.

Audio encoding modes supported in DAB+ are: Mono, Mono+SBR, Stereo, Stereo+SBR, Stereo+SBR+PS.

Connection with the mux is IP based and the encoder is fully remotable via WEB server, accessible from the two LAN interfaces and SNMP.

The only encoder that include (optional) a 6 Bands audio processor designed by ITEL for the specific DAB + application, for a perfect definition of you audio with loudness control ITU1770.

IdEnc the state of art of DAB encoder.

Features:

- **Audio inputs**
  Analog XLR Female Connector
  AES-EBU XLR Female connector
  IP Streaming
  AES67
- **Output**
  IP double RJ 45 (management and link to multiplexer)
- **ISO/MPEG ½ Layer 2 DAB Encoder (EN300401)**
- **Support All Mpeg Data rates**
- **DAB Sampling frequencies**
  24 and 48 KHz
- **DAB+ Sampling frequencies**
  32 and 48 KHz
- **Webserver for configuration**
- **Remote control and DLS, SLS, DL+ on PAD thruogh LAN interface**
- **Linking to Multiplexer with Tcp protocol, EDI with timestamp for syncronization**
- **SNMP protocol**
- **6 Bands Audio processor included with loudness control ITU1770 (optional)**

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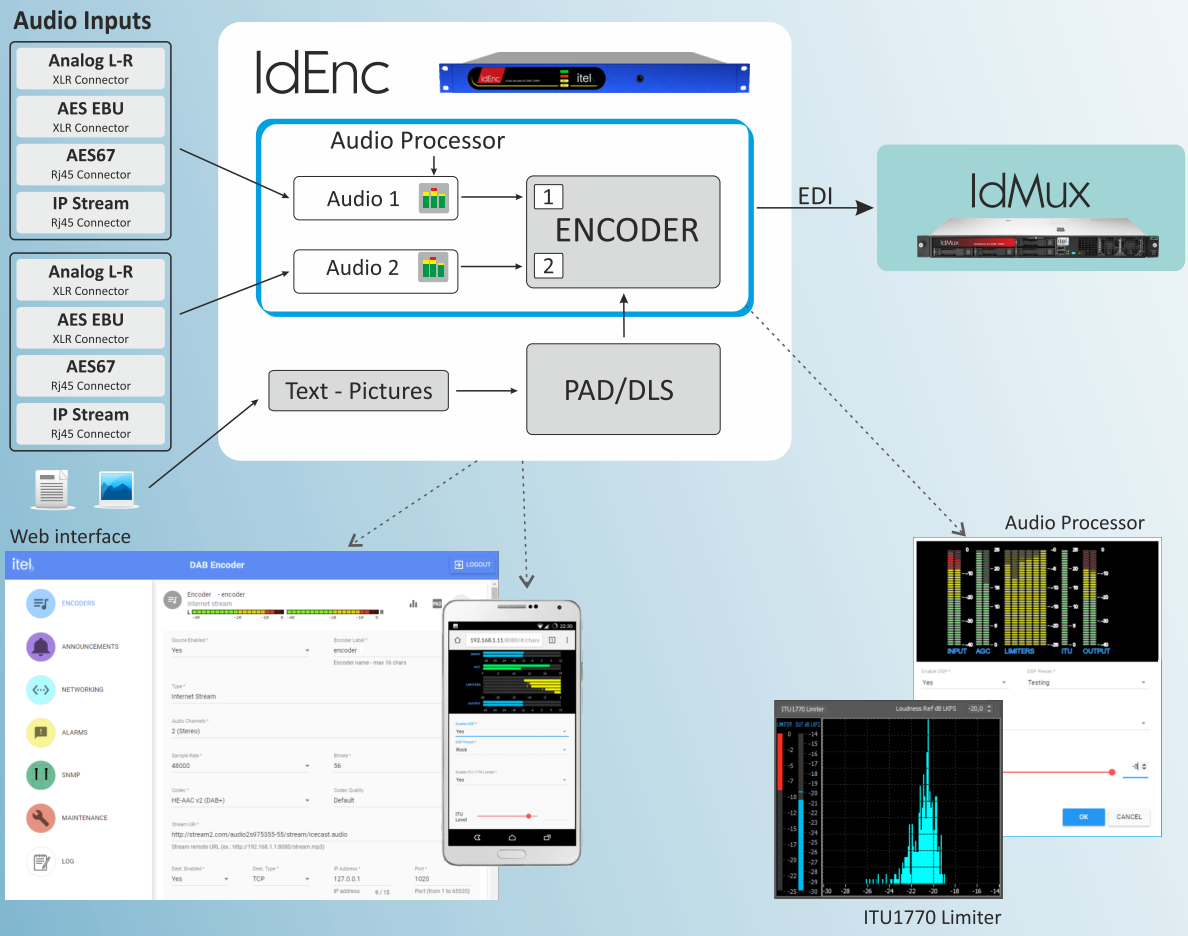
DAB / DAB+ encoder

IdEnc is installed between audio sources and IdMux multiplexer. Versatility of the products allow the possibility to receive inputs from different audio sources (stream, AES-EBU, AES67, analog).
The encoder manage the DL/DL+, DLS, Slide show also with data coming from streaming. Available as option 6 bands audio processor with Loudness Limiter ITU-R BS.1770, totally web controlled.



Technical features

Digital Input	AES/EBU XLR Female Connector AES67 Rj45 Connector	**Chassis Type**	1RU 19" rack Mounting
		Operating System	Linux
Analogue Input	L-R XLR Female Connector	**Processor**	Intel® quad core
Input Type	Balanced	**Power Input**	Connector Type IEC
Input Impedance	>10Kohms	**Power Supply**	Redundant dual Power supply
Frequency Response*	<10Hz to 48KHz	**Input Voltage**	95-240Vac 50/60Hz
Input THD + Noise**	0.0004% (-108dB)	**Input Frequency**	47-63 Hz
AD Converter resolution	24bit	**Power Consumption**	35W Max
Reference Input	NTP RJ-45 connector	**Physical Dimensions(mm)**	482(W) x 44.5(H) x 310(L) mm
Audio Coding Algorithm	MPEG-4 HE-AAVC-V2 ETSI TS 102 563	**Weight**	3,7Kg
		Operating Temperature	+5°C to +40°C
Audio Coding Modes	Mono, Mono+SBR, Stereo, Stereo+SBR, Stereo+SBR+PS	**Storage**	0°C to 85°C
		Humidity(non-condensing)	< 90%
Sincronization	NTP configurable		

***(-3dB, 24-bit/96kHz format)**
****@ 1KHz at -2dBfs**

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