



IdEnc is an DAB audio encoder based on the last HW and SW technology.

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

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

Connection with the mux is IP based and the encoder is fully remotable via web server and SNMP.

The only encoder that include a 6 Bands audio processor for a perfect definition of you audio with loudness control ITU1770.

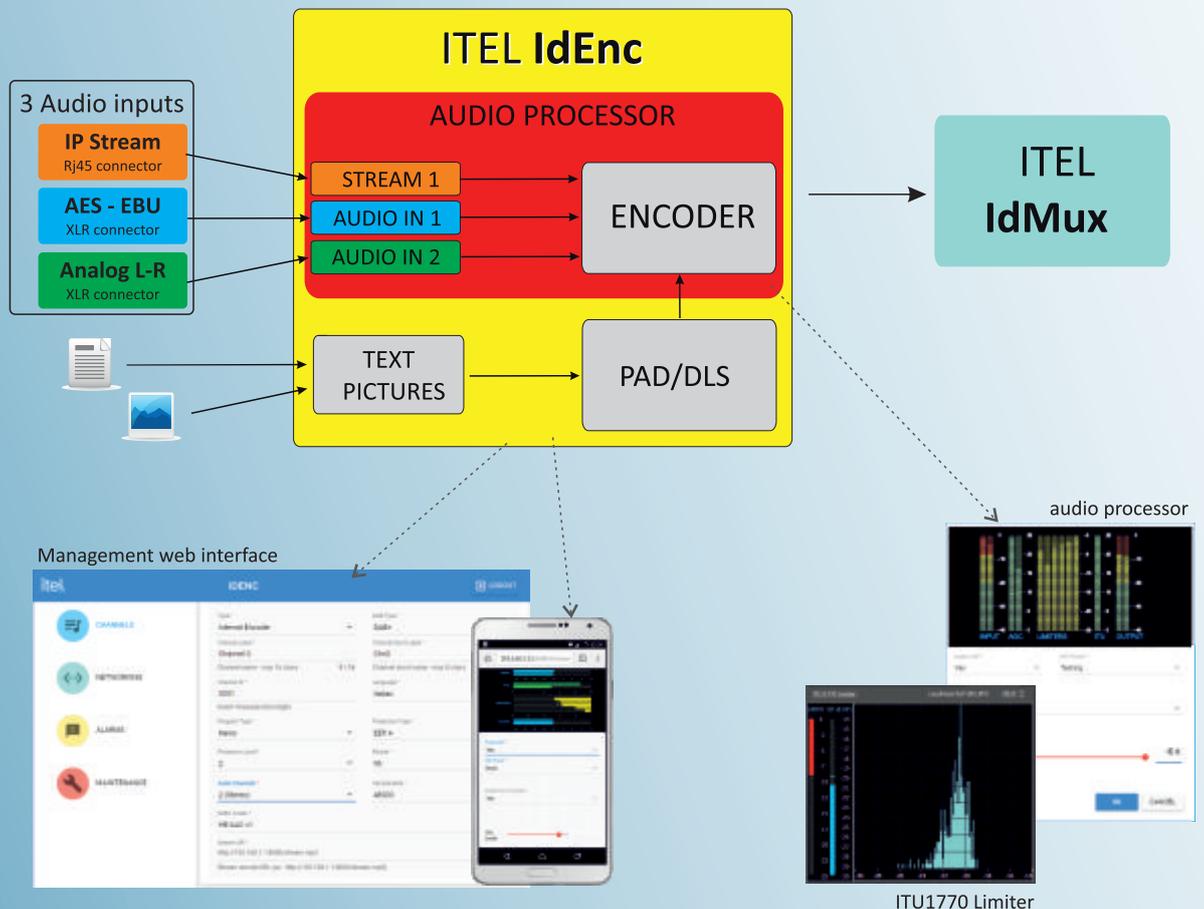
IdEnc the state of art of DAB encoder

Features:

- **Audio inputs**
Analog XLR Female Connector
AES-EBU XLR Female connector
IP Streaming
- **Output**
IP Rj45 connector
- **ISO/MPEG ½ Layer 2 DAB Encoder (EN300401)**
- **Support All Mpeg Data rates**
- **PAD Over LAN**
- **DAB Sampling frequencies**
24 and 48 Khz
- **DAB+ Sampling frequencies**
32 and 48 Khz
- **LAN Interface for Audio, PAD and Control**
- **SNMP**
- **6 Bands Audio processor included with loudness control ITU1770**

DAB encoder

IdEnc is installed between audio sources and IdMux. Versatility of the products allow the possibility to receive inputs from different audio sources (stream, aes-ebu, analog). The encoder manage the DLS, Slide show with data coming from streaming. Available as option 6 bands audio processor totally web controlled.



Technical features

Digital Input	AES/EBU XLR Female Connector	Chassis Type	1RU 19" rack Mounting
Analogue Input	L-R XLR Female Connector	Operating System	Linux
Input Type	Balanced	Processor	Intel® quad core
Input Impedance	>10Kohms	Power Input	Connector Type IEC
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-AACV2	Weight	3Kg
	ETSI TS 102 563	Operating Temperature	+5°C to +50°C
Audio Coding Modes	Mono, Mono+SBR, Stereo, Stereo+SBR, Stereo+SBR+PS	Storage	0°C to 85°C
		Humidity(non-condensing)	< 90%

*(-3dB, 24-bit/96kHz format)

**@ 1KHz at -2dBfs

ITEL Elettronica e Telecomunicazioni

Via S.Penna 82 - 06132 Perugia (PG)

Tel - Fax: +39 075 7829669

Email: info@itel.it Web: www.itel.it

