

ENC3001T Audio Encoder

Features

- MPEG-4 HE-AAC
- MPEG Layer III
- MPEG-2 AAC
- IP Multicast (RTP)
- Livewire digital audio output
- Analog and AES/EBU inputs and outputs with independent sample rate converters
- 10/100 Base-T Ethernet port allows remote control and streaming of audio over a LAN or WAN
- TCP/IP network connectivity
- Front panel headphone jack with level control
- Auto-configuring 90-240 volt power supply

A high-performance digital audio encoder, the ENC3001T offers many advanced audio codecs to ensure compatibility with performance and bandwidth expectations.

The ENC3001T features MPEG-4 HE-AAC, MPEG-2 AAC and ISO/MPEG Layer III encoding capabilities and is fully compliant with international standards. All of the common bit rates and sample rates are offered to enhance the IP delivery of audio.

The ENC3001T includes balanced audio inputs on XLR connectors and digital audio inputs using AES/EBU or Livewire input via networked IP on Ethernet. Livewire, from Axia, is a high-performance uncompressed digital audio networking interface/transport technology which provides savings on network wiring costs while maintaining audio quality by minimizing audio encode/decode occurrences.

The encoder output is normally digital audio transported with UDP/IP packets using RTP protocol which is fed to an IDC Event Manager™ or directly to the satellite system IP encapsulator.

The LCD and keypads on the front panel allow for easy setup and monitoring locally and the web browser interface allows for easy remote monitor and control. Users can select the audio quality by adjusting the codec, bit rate and sample rate. The SuperFlex® Pro Audio™ Series receivers will flow automatically which allows for maximum network flexibility and minimal cost. Software can be upgraded by using the internal FTP capabilities allowing future-proof protection of the implementation of next-generation codecs currently being developed. The ENC3001T is RoHS compliant and CE certified to meet the demands of users worldwide.

Buy Now!



TECHNICAL SPECIFICATIONS—ENC3001T Audio Encoder

AUDIO SPECIFICATIONS	
Algorithms	<ul style="list-style-type: none"> • MPEG-2 AAC • MPEG-4 AAC • MPEG-4 HE-AAC • MPEG Layer III
DATA RATES, SAMPLE RATES AND MODES	
Data Rates	32, 40, 48, 56, 64, 80, 96, 112, 128, 192, 256 kb/s
Sample Rates	32, 48 kHz
Modes	Stereo, Joint Stereo, Mono
GENERAL SPECIFICATIONS	
Frequency Response	(+0/-1dB, swept sine tone procedure)
AAC and Layer II AI	20-20,000 Hz at 48 kHz fs.
Modes	20-15,000 Hz at 32 kHz fs.
SEND INPUT—Active balanced with RF protection	
Line	-12 to +4 dBu nominal level
Clip Point	+21 dBu (adjustable)
Bridging	< 10K ohms (x2)
Interface	<ul style="list-style-type: none"> • XLR female/quarter-inch TRS combo connector • AES/EBU digital Input

LAN INTERFACE	
Interface	10/100 Base-T Ethernet
Supports	<ul style="list-style-type: none"> • Multicast IP (RTP) audio streaming • Livewire • TCP/IP (HTTP, Telnet and FTP)
STATUS AND CONTROL INTERFACES	
Remote Control	<ul style="list-style-type: none"> • Ethernet port using RJ-45-style connector • Bi-directional ancillary data: Serial connection at 9600 bps; eight contact closures
Software Upgrades	Downloadable-uses FTP over Ethernet connection
POWER REQUIREMENTS	
Supply Voltage	90 to 240 VAC, 50/60 Hz autoconfiguring
Power Consumption	100 Watts maximum
PHYSICAL PARAMETERS	
Chassis	1RU rackmount
Dimensions (H, W, D)	9 cm x 43 cm x 32 cm (3.5" x 17" x 12.5")
Weight	7.7 kg (17 lbs.)
ENVIRONMENTAL CONDITIONS	
Operating Temperature	0° to 45° C (32° to 113° F)
Storage Temperature	-20° to 70° C (-4° to 158° F)
Safety and Emissions	CE approved



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