STREAMER-TX/RX

AXEL TECHNOLOGY

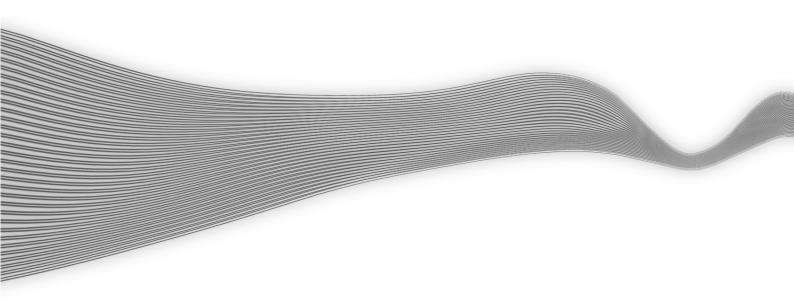## MP3 / MP2 Audio Stream CODEC Box over IP

The easiest and cost effective way to create your audio network. Small and compact, completely autonomous audio encoder/decoder box. Directly pluggable on the IP network. Easy to install and remotely manageable.

General Features

- **Distributes audio effectively over existing standard TCP/ IP networks**
- **Streaming audio in LANs, WANs or Internet**
- **MPEG-Layer II (MP2) decoder, III (MP 3) encoder/ decoder**
- **Unlimited number of Streamer-TX/RX devices in any system**
- **Interface to OEM through DLL**
- **Multicast or Unicast configuration**
- **GPIO for remote control of peripherals and interactivity**
- **Balanced audio input and output on option**

STREAMER-TX/RX

Product Overview

Streamer-TX/RX is designed for reliably encoding (MP3 only) reproducing and distributing MP2 and MP3 audio over Ethernet using IP protocols. **Streamer-TX/RX** is the professional solution for applications requiring audio to be sent costeffectively and easily over standard IP-Networks covering long distances and/or to multiple locations.

Streamer-TX/RX supports compressed audio in MP2 (MPEG1 Layer II) only for decoding and MP3 (Layer III) for encoding and decoding formats. It is ideal for audio transmission, live sound and streaming in standard IP/Ethernet networks.

Streamer-TX/RX applications can be user designed to control all units linked to external equipment with the factory supplied OEM library (DLL). Fully programmable routing control permits sending audio to any **Streamer-TX/RX** or multiple groups of **Streamer-TX/RX**.

Applications

- Over-IP receiver for broadcast internet radio with optional interactivity, opinion polling terminal ...
- Information and public address for airports, bus and railway terminals, sports arenas, outdoor theaters, cruise ships, …
- Combined sound distribution system, public address and emergency evacuation control, ...
- Zoned sound reinforcement for boardrooms, lecture halls, museums, auditoriums, ...
- Global audio distribution via TCP/IP and UDP, multi-channel audio over standard IP Network …
- Central operation in crisis and con trol centers, tunnel control centers, parking surveillance centers, ...
- Background music/paging for theme parks, hotels & convention centers, shops, ...
- Advertising networks for shopping malls, supermarkets, fairs, conventions, large factories, ...
- Emergency evacuation control for schools and universities, stadiums, hospitals, ...

Technical specifications

AUDIO
Format: (TX) MPEG1/2-Layer III (RX) MPEG1/2-Layer II and III for UDP (raw) audio streaming
Bit rate encoding: VBR from 32 to 192 Kb/sec (MPEG1-L3), from 8 to 160 Kb/sec (MPEG2-L3)
Sampling frequency: 16/22,05/ 24/32/44,1/48 Khz
Mode mono and stereo
Bit rate decoding: from 32 to 384 Kb/sec (MPEG1-L2), from 32 to 320 Kb/sec (MPEG1-L3), from 8 to 160 Kb/sec (MPEG2-L2/3)
Sampling frequency: 8/11,025/ 12/16/22, 05/24/32/44, 1/48 Khz
Mode: stereo, joint stereo, dual channel, single channel
Audio Input: line stereo unbal. analog input (PinRca), line stereo balanced on terminal blocks (optional)
Audio Out : line level on 3.5 mm jack connector, line stereo balanced on terminal blocks (optional)
Frequency response 20 - 20.000 Hz (+/- 3 dB)
Signal to noise: ratio > 94 dB
Crosstalk: >80 dB, **THD** 0,003%
NETWORK: Interface RJ45 female connector full duplex IEEE 802.3 10/100 Mb/s protocols UDP (raw) encoding/decoding, HTTP (TCP) only decoding
REMOTE CONTROL: Via internet, local ethernet network by Software or API
POWER REQUIREMENT: 12/24V DC or AC 90 mA (6 mm coaxial connector) - Power Supply Unit included
DIMENSION: 110 x 80 x 30 mm

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