Need audio distribution in your School, Public Infrastructure, Hospital, Transport, Retail Space or Broadcast network?

Introducing the TERRACOM series of audio over IP encoders and decoders from ATEIS and now available from AVW – Australia and New Zealand.

Designed as a cost-effective and easy-to-use audio distribution solution, the TERRACOM encoders and decoders distribute high-quality, low latency and low-bandwidth audio streams (including SIP) over your existing IT switches and network infrastructure. No need for additional cable runs or hardware – the TERRACOM encoders and decoders simply plug into a standard RJ45 (CAT cable)

The TERRACOM audio solution is perfect for applications where users need:

- Distribute music, live or stored content and SIP device content across a facility, internet or multiple venues.
- Provide point-to-point or multi-point audio distribution
- Allow for passenger announcements / voice-overs
- Trigger-able playback of content based on time / date or external triggers
- Decode shout-cast and other Internet Radio audio streams

The TERRACOM Encoders and decoders come in a range of configurations including mains powered or POE (Power over Ethernet) models – the POE option allowing users to plug-in-play directly into POE IT networks. Decoder options with up to 20W powered amplifier outputs allows installations without external amplifiers and additional hardware to be used.

Each TERRACOM encoder and decoder has an addressable IP address allowing quick and easy setup via the built-in web-GUI, where installers can configure specific parameters, and operators can monitor the operation and status of each unit.
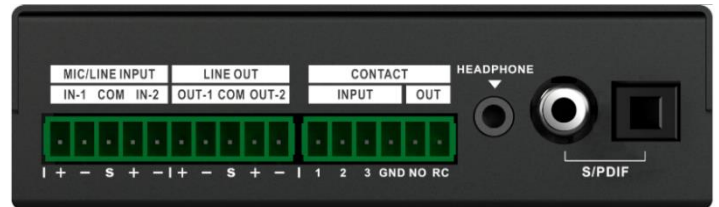
For the above reasons the TERRACOM audio encoders and decoders have been popular in the below installation examples:

1. Large Venue Infrastructure including Shopping Malls, Sports Stadiums, Large Campus

   (education) and multiple location "Chain store" Retail Environments

2. Radio Broadcast Networks – for content delivery to one or more receive locations

3. Critical Infrastructure – including public infrastructure, train and bus terminals.

4. Hospital and Public facilities where Voice Paging and Content Zoning is required.

Below is an overview of the two most common TERRACOM audio encoders and decoders; also within the range are voice paging desk stations, wall mount intercoms, powered amplified decoders and SIP interface hardware

Terra-IEX Encoder

The Terra-IEX Encoder is capable of encoding audio in either mono or stereo* at either line level or mic level via its Euro-Block type connectors in either MP3, WAV or G.722 format.

It also boasts 2 independent balanced outputs for half-duplex communication or for local output monitoring as well as in independent Headphone output.

The ability to be powered by a POE (Power over Ethernet) connection also means that you won't need any messy power cables, making it a much simpler and cleaner solution for your AoIP needs.

Terra-EX/EXA Decoders

The EX and EXA are the Decoder side of the TERRACOM family, both utilising the convenience and flexibility of a POE Ethernet port.
The Terra-EX offers two balanced line outputs with an additional USB input for playlist backups or pre-recorded announcements.

The Terra-EXA does not offer the USB solution, but instead in its place has two 20W 8Ohm outputs in a chassis half the size of the IEX and EX, eliminating the need for an additional power amplifier. Saving you an additional expense and more bulky hardware.

For more information on the TERRACOM range of audio encoder and decoders please contact AVW Australia or AVW New Zealand

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