

A&E

SPECIFICATIONS

The CobraNet® interface shall provide 2 analog Mic/line input channels that can be routed to up to 8 CobraNet output channels (network audio streams) on any of 4 Cobranet Bundle Transmitters. The Cobranet interface shall provide the following analog features...

- Dual unbalanced RCA inputs (summed to mono) with a -8dBu (nom)/+12dbu (peak), 10k ohm input stage for each channel.
- Single balanced (true differential topology) XL3 (F) input with a +4dBu (nom)/+24dBu (peak), 2k ohm input stage with +24volts phantom power for each channel.
- XL3 (F) connector shall be 'latchless' to minimize mechanical damage to the CobraNet interface.
- Each XLR3 (F) input shall be mixed with the dual RCA summed mono input to create a single channel.
- Each input channel gain shall be adjustable over 60dB in 3 steps, ie, -56dBu (nom)/-36dBu (peak), -26dBu (nom)/-6dBu (peak) and +4dBu (nominal)/+22dbu (peak) via a front panel mounted slide switch. The slide switch shall be recessed to avoid damage and use a 3 position LED display to indicate gain position.

The CobraNet interface shall provide a 100baseTx CobraNet port, allowing for 8 simultaneous audio streams to the network from the 2 analog input channels. The CobraNet audio traffic shall be completely configurable via SNMP, including the following...

- Bundle address and priority.
- Bundle Unicast, Multicast and Multi-Unicast settings.
- Bundle channel count.
- CobraNet latency of 1.33, 2.67 and 5.33 milliseconds.
- CobraNet sample rate of 48kHz or 96kHz.

The CobraNet interface shall provide 115MIPS of digital signal processing (DSP), where the 2 analog channels shall route through a 2x2 input mixer to a pair of processing side chains. Each side chain shall provide a 5 band parametric equalizer, high pass, low pass low shelf filters and a compressor.

The CobraNet interface shall be wall or floor mounted and available in tooled options to suit either USA "Decora®", EU "Schuko®" or UK "Euro" styles of decorative faceplate (to match the interior design or architectural requirements). The Cobranet™ interface rear PCB assembly shall be no more than 85mm wide, 70mm high and 45mm deep to suit standard 2 gang US J-Box, or equivalent 2 gang Schuko® or UK backboxes.

The CobraNet interface shall be powered from an Ethernet switch using Power over Ethernet (PoE) technology.