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**TSL Announces Industry's First Dual Scale 1080P Dolby Audio Monitoring Unit**

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TSL has introduced, what they claim, is the world's first 1080P compatible audio monitoring unit.

The AMU1-CHD Dolby is capable of de-embedding and decoding Dolby E bit streams from HD/SD video formats up to and including 1080P. Housed in a 1RU chassis, the AMU1-CHD Dolby compliments TSL's highly successful Cameo product range and marks a considerable advancement in technology and functionality.

Developed in response to a request by a major European broadcaster, the AMU1-CHD Dolby features dual HD/SD auto sensing video inputs with reclocked, downconverted and composite video outputs for ease of integration with third party systems. Input audio is selected from any of four de-embedded groups (a total of 16 channels) plus four AES and two stereo analogue input channels. An auto sensing Dolby processor decodes Dolby D or E bitstreams from either AES or HD/SD inputs and a dual 26 segment bargraph plus full bandwidth internal loudspeakers allows the user to select and hear stereo or individual Multichannel audio pairs. The LtRt mode activates a metadata determined stereo Downmix mode essential for monitoring the final audio heard by the majority of consumers in the home.

Audio output connections include decoded multichannel variable analogue signals, which can be used to drive a set of active 5.1 speakers in an environment such as an MCR or Ingest room, where higher listening quality may be required. A fixed or variable AES version of the decoded multichannel outputs also enable the user to connect to external audio devices such as mixing consoles, processors or an audio vectorscope.

When a de-embedded, AES or analogue input selection is made, the chosen pair is routed to the monitoring section. If the selected audio pair is stereo, the Dolby indicator LED will light yellow and the audio level is displayed on the stereo bargraph. The internal speakers and headphone output follow the selection, level control by a single overall volume knob.

If the chosen de-embedded or AES signal pair is encoded with Dolby E or Dolby Digital (D) then the tri-colour Dolby indicator LED will light green and the audio decoded into its eight component parts. In this mode, the five position monitoring switch is used to select which pair of the eight audio components is displayed and heard.

A Dolby encoded signal which is not 5.1, perhaps different stereo language mixes or M and E channels can be individually monitored as pairs using positions 2-4 of the monitoring selector switch. A compensating video delay to adjust for the 1 frame Dolby E decode cycle will be available from Q1, 2008