

TSL AMU1-CHD DOLBY

TSL has introduced the first 1080P compatible audio monitoring unit, the AMU1-CHD Dolby, capable of de-embedding and decoding Dolby E bit streams from HD/SD video formats up to and including 1080P. The unit 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 active 5.1 speakers where higher listening quality is 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 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. 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 is 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 that is not 5.1 (different stereo language mixes or M&E channels) can be individually monitored as pairs.

www.tsl.co.uk

**Pro Audio Asia
November/December
2007**