

DaySequerra

iLM4ST 4 Channel Stereo Loudness Monitor



The DaySequerra iLM4ST Intelligent Stereo Loudness Monitor was designed to make it easier for radio and television broadcasters and cable networks to deliver an audio experience that won't have viewers scanning stations or reaching for the mute button.

The iLM4ST simultaneously measures the perceived loudness of four stereo channels of audio using industry standard ITU-R BS.1770/1. Optional DTS Technologies Neural Loudness Measure (NLM) uses a perceptual model of human hearing to more accurately detect spectral and density differences.

- Four AES3 stereo inputs; balanced on 75-ohm BNC and balanced on 110-ohm XLR connectors
- Easy-to-read numerical Measured and Target readouts on VFD display
- Front panel headphone monitor
- Rear panel includes GPIO port as well as an Ethernet interface for long-term logging, email alerts and field software updates capability



dts™

Neural Technologies

4 Channel Stereo Loudness Monitor



iLM4 Technical Specifications

Inputs	- 4 AES PCM inputs for four stereo channels
Passive Outputs	- 4 AES PCM outputs for four stereo channels
Digital Inputs & Outputs	- AES/EBU, 75ohm, unbalanced BNC - Balanced Digital AES via DB-25 TASCAM format cable with option
Loudness Algorithms	- ITU-R BS.1770/1 Industry Standard Loudness Measurement - DTS Neural Loudness Measure
Headphone Monitor	> 150mW max into 32ohm load, 3.5mm front panel TRS connector
Sample Rate	- 32kHz to 96kHz
Latency	< 4 msec
Dynamic Range	- 140dB DR, any input to any output [1]
GPIO	- Opto-isolated DB-9 female connector; 0-5VDC TTL
Ethernet	- 10/100-BASE-T for remote logging and field software updates
Dimensions and Weight	- 1 RU, 19" [482mm] W x 8" [203mm] L x 1.75" [44mm] H; 7 lb [3.2kg]
Environmental	- Convection cooled; Operating: 0 to 60 degrees C
Regulatory	- North America: Designed to comply with FCC Class A, Part 15 - Europe: LV Directive 73/23/EEC and EMC Directive 89/336/EEC; CE Mark [EN 55022 Class A, EN55024]; RoHS and WEEE compliant
Options	- O1: Balanced Digital AES via TASCAM interface
Power Supply	- Auto-sensing 100-240V, 50-60Hz - EMI suppressed male IEC320 connector
Notes	[1] Audio measurement made using a 0dBfs 1kHz sine wave sampled at 48kHz, 20-20kHz A-weighted