

DaySequerra

iLM8

8 Channel Audio Loudness Monitor



Differences in audio levels between programs, or between programs and commercials, are a major annoyance to TV viewers.

DaySequerra's iLM8 Intelligent Loudness Monitor includes both the industry-standard ITU-R BS.1770/1 and proprietary DTS Neural Loudness Measurement algorithms to provide the most accurate measurement of perceived loudness for all types of audio content.

- HD/SDI and AES inputs – simultaneous measurements of 5.1 surround and auxiliary stereo inputs or 7.1 surround
- Exclusive Mix Monitor™ provides real time mix level analysis
- Positive feedback of overall mix on easy-to-read LED indicators
- Robust DSP platform – no PC operating system to hang; no lengthy boot-ups
- Ethernet interface for logging and software updates
- Applications include ingest, broadcast quality control and post-production facilities



dts™

Neural Technologies

8 Channel Audio Loudness Monitor



iLM8 Technical Specifications

Inputs	<ul style="list-style-type: none">- 3 AES PCM inputs for 5.1 surround sound- 1 AES PCM input for auxiliary stereo- 1 HD/SDI input with Option 01
Passive Outputs	<ul style="list-style-type: none">- 3 AES PCM outputs for 5.1 surround sound- 1 AES PCM output for auxiliary stereo- 1 HD/SDI passthrough output with Option 01
Digital Inputs & Outputs	<ul style="list-style-type: none">- AES/EBU, 75ohm, unbalanced BNC- Balanced Digital AES via DB-25 TASCAM format cable with option
Loudness Algorithms	<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">01: HD/SDI Input02: Balanced Digital AES via TASCAM interface
Power Supply	<ul style="list-style-type: none">- 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