

DaySequerra

NLC 5.1ST 8 Channel Neural Loudness Control



DaySequerra's NLC 5.1ST Surround Loudness Control measures and controls perceived loudness of the program audio using the industry-standard ITU-R BS.1770/1 as well as DTS Neural Loudness Measure (NLM) and DTS Neural Loudness Control (NLC) algorithms.

- Simultaneous measurement and loudness control for 5.1 surround and auxiliary stereo inputs
- Industry-standard ITU-R BS.1770/1 and DTS Neural Loudness Measure (NLM) measurement algorithms
- Low-latency DTS Neural Loudness Control with proprietary look-ahead technology
- Ethernet interface for long-term logging, email alerts and field software updates



dts™

Neural Technologies

8 Channel Neural Loudness Control



Shown with Balanced Digital AES option

NLC5.1ST 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
Outputs	<ul style="list-style-type: none">- 3 AES PCM outputs for 5.1 surround sound- 1 AES PCM output for auxiliary stereo
Digital Inputs & Outputs	<ul style="list-style-type: none">- AES/EBU, 75 ohm, unbalanced BNC- Balanced Digital AES via DB-25 TASCAM format cable with option
Sample Rate	<ul style="list-style-type: none">- 32kHz to 96kHz
Latency	<ul style="list-style-type: none">- <16 msec
Dynamic Range/ THD+N	<ul style="list-style-type: none">- 140dB DNR / 135dB THD+N, any input to any output [1]
GPIO	<ul style="list-style-type: none">- Opto-isolated DB-9 female connector; 0-5VDC TTL
Ethernet	<ul style="list-style-type: none">- 10/100BASE-T for software updates, logging and remote control
Dimensions and Weight	<ul style="list-style-type: none">- 1 RU, 19" (482mm) W x 8" (203mm) L x 1.75" (44mm) H 7 lb (3.2kg)
Environmental	<ul style="list-style-type: none">- 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
Power Supply	<ul style="list-style-type: none">- Auto-sensing 100-240V, 50-60Hz- EMI suppressed male IEC320 connector
Option	<ul style="list-style-type: none">- O1: Balanced Digital AES via TASCAM interface
Applications	<ul style="list-style-type: none">- Ingest, Head-End, Uplinks, Post Production Facilities & Quality Control
Notes	<p>[1] Audio measurement made using Odbfs 1kHz same wave sampled at 48kHz, 20-20kHz A-weighted</p>