

DaySequerra

Mono2Stereo 4 Channel Stereo Synthesizer



Dealing with mono content in today's live sports surround sound environment presents a number of problems for engineers who are working to deliver the highest quality mixes. Simple mono sound sources just don't always cut it.

DaySequerra's four-channel synthesizer uses a DTS proprietary algorithm developed to produce an artifact-free, wide soundstage with natural, spectrally balanced stereo from mono content.

- Independently process four stereo channels of audio simultaneously from digital or analog equipment
- User presets simplify setup and allow consistent, easy recall of favorite settings
- Fast responding limiter maintains desired output threshold level
- Built-in low shelf and high shelf filters to help compensate for microphone frequency response and tailor overall mix balance
- Full-time 24 bit Analog-to-Digital, Digital-to-Analog and Sample Rate Conversion

4 Channel Stereo Synthesizer



Mono2Stereo Technical Specifications

Inputs	<ul style="list-style-type: none"> - 4 AES PCM inputs - 4 balanced analog inputs with Option 01 - 1 AES-3 or AES-11 SYNC
Outputs	<ul style="list-style-type: none"> - 4 AES PCM outputs - 4 balanced analog outputs with Option 01 - 1 AES-3 or AES-11 SYNC pass-through
I/O Interface	<ul style="list-style-type: none"> - AES/EBU, 75 ohm, unbalanced BNC - Balanced 110 ohm analog via DB-25 TASCAM format cable with option
Sample Rate	- 32kHz to 96kHz
Latency	<1msec at 48kHz sample rate
A to D/D to A Performance	<ul style="list-style-type: none"> - 24 bit delta/sigma ADC converter - 32kHz to 96kHz, 24 bit
Dynamic Range/THD+N	<ul style="list-style-type: none"> - 140dB DR/135dB THD+N Digital Input/Output [1] - 105dB SNE/0.0015% THD+N [2]
Ethernet	- 10/100-BASE-T for 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
Power Supply	<ul style="list-style-type: none"> - Auto-sensing 100-240V, 50-60Hz - EMI suppressed male IEC320 connector
Options	- 01: Balanced Analog I/O via TASCAM interface
Applications Include:	- Ingest, Head - End, Uplinks, Post Production
Notes	<p>[1] Dynamic Range measured using a -60dB 1kHz sine wave and A weighting</p> <p>[2] THD+N measured using a 20dBu 1kHz sine wave sampled at 48kHz, 20-20kHz A-weighted</p>