

Broadcast Stereo Generator



This is a high performance Stereo Generator built into a one- rack space unit. Its stereo separation performance is higher than 60 dB with S/N higher than 85 dB. A high sensitivity VU meter allows accurate measurement of audio input levels. The two balanced audio inputs (XLR Connectors) are filtered from RF interference. The very low distortion (typical 0.05 dB) makes this low cost generator comparable in performance to the more expensive digital equipment.

NSC1 Stereo Coder Specifications

L & R Input connectors:	XLR female balanced
L & R Input impedance:	600 Ω Or 10K Ω internal sel.
L & R Input level:	0dBm \pm 3dB
Audio filter response:	\pm 0.25dB 20Hz to 15KHz
Audio filter attenuation:	>48dB @ 19KHz,>39dB to 60KHz
Pre-emphasis:	Flat /50 μ S/75 μ S internally selectable
Pre- emphasis deviation from ideal curves:	\pm 0.2
Harmonic distortion on encoded channels:	< 0.1% (0.05% type)20Hz to 15KHz
S/N:	> 85dB rms
Stereo separation:	> 60 dB (65dB type)
Pilot frequency:	19KHz \pm 1Hz
Subcarrier frequency:	38KHz \pm 2Hz
Subcarrier generation:	4.864KHz Crystal oscillator
Pilot level:	8 to 12% internal adjustable
Phase difference 19/38KHz:	0 $^\circ$ \pm 2 $^\circ$ internal adjustable
38KHz suppression:	> 60dB
CMRR:	> 60dB
Powering:	115 - 230 VAC rear panel selectable
Power consumption:	30 VA
Rack dimension:	19" 1 standard unit
Weight:	7 Lbs (3.2 KG)