CI 8-120 DSP

The CI 8-120 DSP delivers a conservative 8 x 120 watts per channel @ 8 ohm and is bridgeable to 4 x 300 watts per channel @ 8 ohm. The hybrid digital amplifier platform delivers stable and efficient power with high current capability all in a slim 1U rack space. The CI 8-120 DSP uses a customized version of the proven Hypex UcD output stage. It is capable of delivering massive power with extremely low distortion and noise in the audible range. Every detail of this design has been carefully executed to wring out every last drop of performance. Designed to deal with the demands of the CI world, it was made to handle long cable runs and difficult speaker loads.

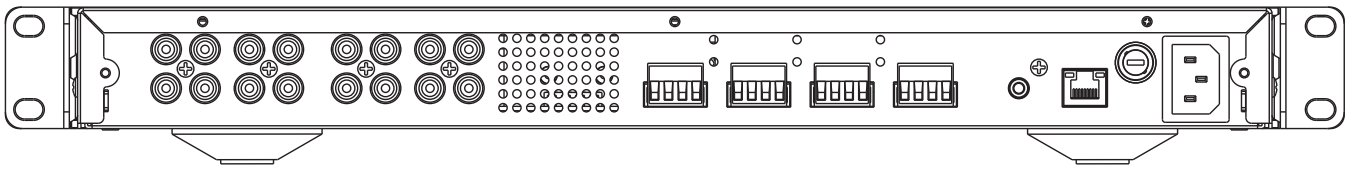
The CI 8-120 DSP is a network controlled amplifier which allows the installer to configure and calibrate via a web based user interface. The user interface offers access to multi-channel digital signal processing (DSP) providing detailed equalisation control. In addition, the UI offers insight into temperature and power status, as well as basic troubleshooting functions like power cycling, factory resetting and updating.

At the heart of this state-of-the-art multi-channel amplifier is the legendary NAD performance.

FEATURES & DETAILS

- Platform accessed through IP control
- Custom web app manages DSP calibration, IP control and more
- 8 Channels x 120 Watts @ 8 ohm
- Bridgeable to 4 channels x 300 Watts @ 8 ohm
- Renowned NAD sonic signature
- Effectively handles long cable runs and difficult speaker loads
- Dual global Inputs/Outputs
- 1U Rack height
- 0.5W Standby Mode, 3W Network Standby
- 12V Trigger In; IR In/Out
- Auto Sense Turn-on
- Universal AC Power Supply

CI 8-120 DSP Rear Panel



Specifications CI 8-120

GENERAL		
Continuous output power		
into 8 ohms		120 W (ref. 20 Hz-20 kHz at rated THD - all channels driven)
		130 W (ref. 20 Hz-20 kHz at rated THD - two channels driven)
into 4 ohms		135 W (ref. 20 Hz-20 kHz at rated THD - all channels driven)
		230 W (ref. 20 Hz-20 kHz at rated THD - two channels driven)
8 ohms Bridged		200 W (ref. 20 Hz-20 kHz 0.03% THD - all channels driven)
		320 W (ref. 20 Hz-20 kHz at rated THD - two channels driven)
Rated THD		
(20 Hz – 20 kHz)		0.05% (1 W to 100 W, 8 ohms and 4 ohms)
IHF Dynamic Power	8 ohm	125W
	4 ohm	200W
	2 ohm	180W
IHF Dynamic Power	8 ohm	440W
(Bridged mode)	4 ohm	350W
	2 ohm	230W
Clipping power (All channels driven)		>130 W (1 kHz 8 ohms 0.1 % THD)
		>150 W (1 kHz 4 ohms 0.1 % THD)
Clipping power into 8 ohms at Bridged mode		>300 W (1 kHz 0.1 % THD - all channels driven)
		>400 W (1 kHz 0.1 % THD - two channels driven)
Damping Factor		>110 (ref. 8 ohms, 20 Hz to 6.5 kHz)
Frequency Response		±0.5 dB (20 Hz - 20 kHz)
Signal/Noise Ratio, A-Weighted		>88 dB (A-weighted, 500 mV input, ref. 1 W out in 8 ohms)
Peak output current		>20 A (1 ohm, 1 ms)
Channel separation		>70 dB (1 kHz)
		>65 dB (10 kHz)
Maximum undistorted input level		2900 mV
Input sensitivity		
(for 120 W in 8 ohms, maximum volume)		1150 mV
Analog Input audio sense threshold		
(one channel with signal)		3±0.5 mVrms (ref. 100 Hz - 10 kHz)
Trigger IN level		3 - 30 Vdc
Standby power		0.5W
DIMENSION AND WEIGHT		
Dimensions (W x H x D)*		483 x 45 x 435 mm (19 1/16 x 1 13/16 x 17 3/16")
Net Weight		NA
Shipping Weight		10 kg (22 lbs)

* Gross dimensions include feet, extended buttons and rear panel terminals. ** Non-metric measurements are approximate. NAD Electronics will not assume any liability for errors being made by retailers, custom installers, cabinet makers, or other end users based on information contained in this document. Note: Installers should allow a minimum clearance of 55mm for wire/cable management.