



CI 8-120 DSP v2



The CI 8-120 DSP v2 builds on an already high performance, versatile and robust platform, which is tried and tested to reliably and consistently meet the demands of professional installations.

At the heart of this state-of-the-art multi-channel amplifier is the legendary NAD performance. In terms of performance, the CI 8-120 DSP v2 still 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 v2 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 NAD CI DSP series is a range of network-controlled power amplifiers. This network capability allows integrators to configure the amps via web UI, and monitor them remotely, providing a level of functionality and versatility that far exceeds a conventional power amp, without a huge leap in cost.

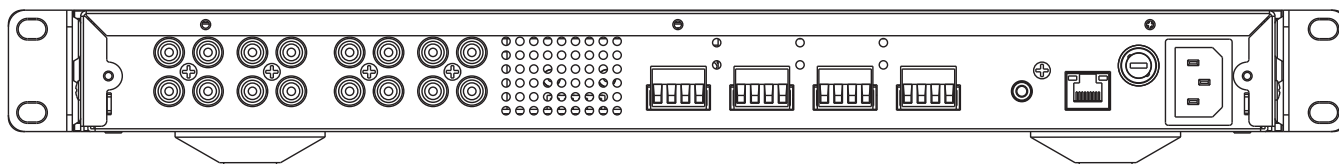
In the updated v2 platform we have improved the web UI, making it simpler to navigate and configure, as well as adding features to make the amplifiers even more flexible. A new Dashboard page allows a quick overview of current status with channel level feedback on input levels, temperature and operational status. A new Zones screen allows channels to be grouped for simple configuration, and the Global Input can now be assigned to only interrupt specific zones. In the DSP settings, we have added Limiters, Delay, Tilt and Phase control to the existing PEQ, High and Low Pass filters, to give even greater power to refine the acoustics of a space or use the amps to power a passive subwoofer, while offering protection for the speakers drive units. Further to this the v2 platform will support a library of DSP Speaker profiles to quickly optimise the performance of selected architectural speakers. In addition, the amplifiers start-up time has been reduced and further power options, such as Zone Sleep, have been added to improve use and efficiency.

As with the original version of the CI DSP series, the amps can accommodate up to 10 AWG speaker cable through their larger Phoenix connector blocks, another improvement in the v2 platform, is an upgrade to snap-on connectors, making set-up quicker and easier for the installer.

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 (Bridged mode)	8 ohm		440W
	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.



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