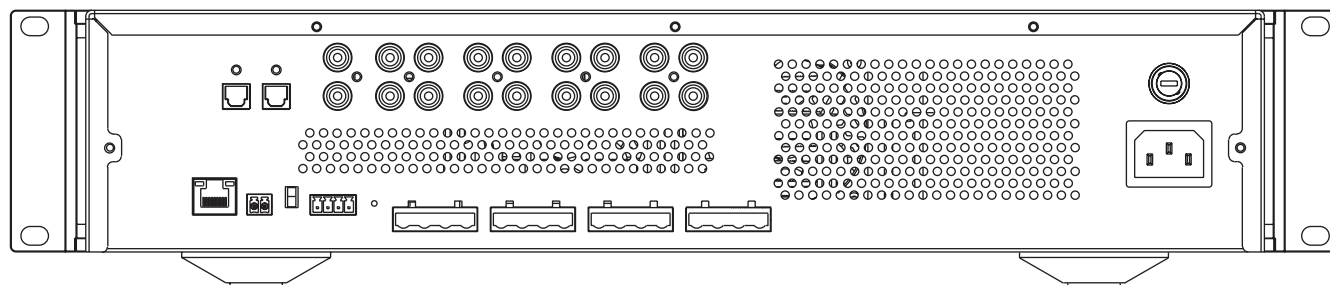# NAD

CI 8-150 DSP

The CI 8-150 DSP is NAD's flagship distribution amplifier and designed to deliver the most sonically refined power available today with the stability and durability necessary to reside in a rack space. The Hybrid Digital nCore amplifier produces 8 x 150 watts per channel @ 8 ohm and bridgeable to 4 X 280 watts @ 8 ohm. Designed to fit in a 2U rack space, the CI 8-150 DSP delivers audiophile level performance capable of offering highly detailed sound to the most demanding reference loudspeakers. In addition to a dual bus system and analog inputs, the CI 8-150 DSP offers a pair of optical and digital inputs.

The CI 8-150 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 a 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.

The CI 8-150 DSP delivers high resolution amplification, designed for today's rack mount applications.

FEATURES & DETAILS

▸ Platform accessed through IP control

▸ Custom web UI manages DSP calibration, IP control and more

▸ 8 Channels x 150 Watts @ 8 Ohms

▸ Bridgeable to 4 channels x 280 Watts @ 8 Ohms

▸ HybridDigital nCore amplifier delivers unmatched sonic performance

▸ Effectively handles long cable runs and difficult speaker loads

▸ Dual global Inputs/Outputs

▸ 2 x Optical and 2 x Coax Inputs

▸ 2U Rack height

▸ 0.5W Standby Mode, 3W Network Standby

▸ 12V Trigger In; IR In/Out

▸ Auto Sense Turn-on

▸ Universal AC Power Supply

Specifications CI 8-150 ▾

GENERAL		
Continuous output power into 8 ohms		>150 W (ref. 20 Hz-20 kHz at rated THD - all channels driven)
		>180 W (ref. 20 Hz-20 kHz at rated THD - two channels driven)
Continuous output power into 4 ohms		>180 W (ref. 20 Hz-20 kHz at rated THD - all channels driven)
		>300W (ref. 20 Hz-20 kHz at rated THD - two channels driven)
Continuous output power into 8 ohms		>280 W (ref. 20 Hz-20 kHz 0.02% THD - all channels driven)
at Bridged mode		>500 W (ref. 20 Hz-20 kHz 0.02% THD - two channels driven)
THD (20 Hz – 20 kHz)		<0.02 % (1 W to 120 W, 8 ohms and 4 ohms)
Signal-to-Noise Ratio		>90 dB (A-weighted, 500 mV input, ref. 1 W out in 8 ohms)
Clipping power (All channels driven)		>160 W (1 kHz 8 ohms 0.1 % THD)
		>200 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)
		>550 W (1 kHz 0.1 % THD - two channels driven)
IHF Dynamic Power	8 Ohms	180 W
(all channels driven)	4 Ohms	280 W
IHF Dynamic Power	8 Ohms	200 W
(two channels driven)	4 Ohms	360 W
IHF Dynamic Power (Bridged	8 Ohms	520 W
mode, All channels driven)	4 Ohms	670 W
IHF Dynamic Power (Bridged	8 Ohms	600 W
mode, two channels driven)	4 Ohms	800 W
Peak output current		>26 A (1 ohm, 1 ms)
Damping Factor		>150 (ref. 8 ohms, 20 Hz to 6.5 kHz)
Frequency Response		±0.5 dB (20 Hz - 20 kHz)
Channel separation		>75 dB (1 kHz)
		>65 dB (10 kHz)
Maximum undistorted input level		3300 mV
Input sensitivity (for 150 W in 8 ohms, maximum volume)		1450 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		0.5 W
DIMENSION AND WEIGHT		
Gross dimensions (W x H x D)*		483 x 90 x 435 mm
		19 1/16 x 3 9/16 x 17 3/16 inches
Shipping weight		17.6 kg (38.8 lbs)

* Gross dimension includes extended rear panel terminals and excludes installed feet