



Camco Dual Vortex 6 Amplifier & Nexo NX241 Digital TD Controller

Camco Vortex 6 is a 2chClass H power amplifier with up to 3000W output power per channel @ 2Ω

The NX241 Digital TD controller is a 2 in/4 out loudspeaker controller dedicated to Nexo speakers. It performs as a Nexo speaker system crossover, and provides equalization and protection/monitoring, through use of its dedicated amplifier sense inputs



Physical

Size of Unit	[V6] 483W x 421D x 88H mm [NX241] 480W x 65D x 44H mm
Item Weight	[V6] 12.4kg [NX241] 4kg
Size of unit cased	600W x 538D x 760H mm
Cased weight	68kg
Quantity in Case	6 Assets: NX241 Controller, AR-DU-8P Patch Panel, 2 x Camco Vortex 6 Amps, 2 x NL8>dual NL5 break out tails

Electrical

Input Power	[V6] Internal switchmode PSU, 90-240V 50/60Hz, hard-wired [NX241] MANUAL switchmode PSU, 115/230V 50/60Hz, IEC
Power Consumption	[V6] 60W Idle, 1800W typical @ 4Ω, 9400W Max @ 2Ω [NX241] 20W max
Rated Current Draw	[V6] 5.5/8/12A Typical @ 8/4/2Ω, 21/35/60A Maximum @ 8/4/2Ω [V6] 40/28/16.2A Maximum @ 2/4/8Ω
Power Connection	[V6] Hard Wired Power Cable [NX241] IEC
Power output RMS	2x 730,1350/2300/3300W @ 16/8/4/2/Ω stereo mode // 1x 2700,4600/6600,4600,6600W @ 16/8/4/2/1Ω bridged
Power output peak	4090W x 2 channel // 8180W bridged

Mounting Options

Rack Mountable	Yes, In 6RU wheeled case
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Input / Outputs

Analog Inputs	[V6] Ch A/B balanced XLR in [NX241] L/R balanced XLR in
Analog Outputs	[V6] L/R XLR parallel out [NX241] 4 x balanced XLR out (variable patch options)
Digital Inputs	[V6] No [NX241] No
Speaker Inputs	[NX241] 4ch input sense control
Speaker Outputs	[V6] 4 x NL4 [wired ch A: 1+/- ch B: 2+/-; B reverse order [NX241] – NL8 patch panel = 2 x NL8 + 2 x NL8>Dual NL4 Low/Hi breakout tails (PS series etc.)
Bridging	[V6] Yes
Stereo/Parallel switching	[V6] Yes // [NX241] via program patch

Parameters

Frequency Response	20 Hz – 20 KHz
Input Impedance	[V6] 40kΩ [DTD-T] 20kΩ
Output Impedance	[V6] 16/8/4/2/1Ω capable [NX241] 50 Ω
Dynamic Range	[V6] Not Specified [NX241] Channels 1 & 2 = 99 dBu. Channels 3 & 4 = 101 dBu (111 dBu with DRG on). (Up to 120 dBu dynamic range with proper input/output gain scaling)
Latency	[V6] N/A (analog) [NX241] 1.4 ms on a flat setup
A to D Converters	[V6] N/A (analog) [NX241] 48/96kHz, 24 Bit ADC/DAC, up to 64bit resolution if using digital inputs
Signal Processing	[V6] Input Ground Lift, Parallel/Stereo/Bridge Mode, Clip Limiter, Gain Level [NX241] Delay, array EQ, dynamic processing to match Nexo speaker cabinets
Protection	[V6] inrush current, temp monitoring, output DC, output over current, mains fuses [NX241] On-board Nexo parameters to protect Nexo speaker cabinets using amplifier sensing inputs
Remote control	[V6] No [DTD-T] No
Configuration method	[V6] Manual switching and volume control [NX241] Manual Controls on front panel

[illegible]

Information Links

Manufacturer link	Vortex 6 Product Page
Manufacturer link	NX241 Controller Product Page
Datasheet	Vortex 6 User Manual
Datasheet	NX241 Controller User Manual

