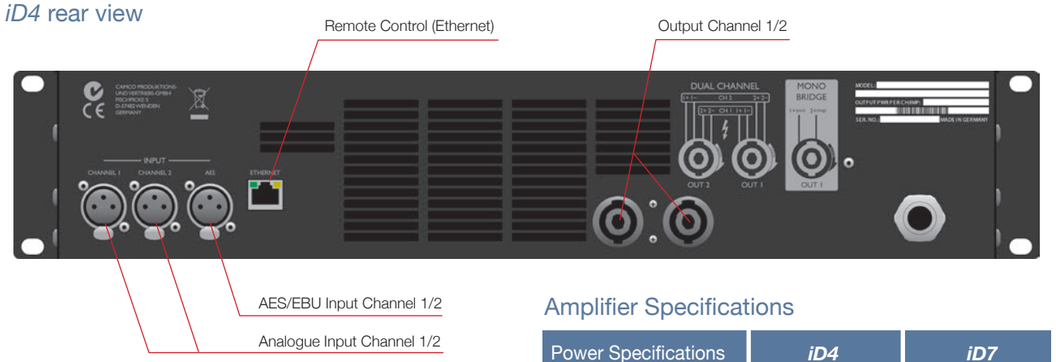
iD4 rear view



DSP Specifications *iD4 & iD7*

Audio Performance	
Dynamic Range (Inputs)	120 dB
Dynamic Range (Outputs)	117 dB
Frequency Range	20 Hz - 40 kHz
Sampling Rate	96 kHz, 64 bit digital processing
Latency	600 microseconds only

Audio Control Parameters	
Number of Param. Filters	10 on each input and each output
Filter Settings	Bell, Shelving, Notch or Allpass
Crossover Filters	Butterworth, Bessel, Linkwitz-Riley filters up to 24 dB / octave
Input Delay	max. 1 s on each input
Output Delay	max. 20 ms on each output
Limiters	Limiter on each input and each output
Compressor	Multiband compressor
Input Gain	-48 dB to +12 dB
Phase Inversion	180° reversal

Features	
Inputs	2 AES/EBU and 2 analogue inputs
Routing	Configurable routing of each input to each output
Number of Presets	50
Configuration	via PC (software included)
Monitoring	Real-time via PC (software included)
Grouping	Grouping functions available
Software	available for Windows XP, Windows 7 and Mac OS

Amplifier Specifications

Power Specifications		*iD4*	*iD7*
Stereo All channels driven @ 1 kHz, THD < 1%	16 Ω	600 W	750 W
	8 Ω	1100 W	1380 W
	4 Ω	1900 W	2300 W
	2 Ω	1500 W	3440 W
Mono Bridge @ 1 kHz, THD < 1%	16 Ω	2200 W	2760 W
	8 Ω	3800 W	4600 W
	4 Ω	3000 W	6880 W
Max. Output Voltage		142 V_p / 280 V_{pp}	165 V_p / 320 V_{pp}
Output Circuitry		Class H	Class H

Audio Performance	*iD4*	*iD7*
Signal To Noise-Ratio 10 Hz - 20 kHz, 8 Ω load	> 106 dB (A-weighted) > 103.5 dB (unweighted)	> 107.5 dB (A-weighted) > 105 dB (unweighted)
THD+N (typical) 20 Hz - 10 kHz, 4 Ω, 120 W output	< 0.02%	< 0.035%
Damping Factor 8 Ω load, 1 kHz and below	> 400	> 400
Frequency Response 4 Ω, 120 W output	10 Hz - 20 kHz ± 0.175 dB	10 Hz - 20 kHz ± 0.175 dB

Features	*iD4*	*iD7*
Input Impedance	29 kΩ balanced	29 kΩ balanced
Voltage Gain	32 dB	32 dB
Protection Circuits	Inrush-current limitation, protection circuits against power-on/off transients, temperature monitoring, output DC protection, temperature dependent power transistor SOA protection, intelligent mains fuse protection	
Indicators	LEDs for SIGNAL/PROTECT, CLIP, LCD (2 x 16 characters)	

Dimensions	*iD4*	*iD7*
Net Weight	9.4 kg / 20.7 lbs	12.4 kg / 27.3 lbs
Shipping Weight	11 kg / 24.3 lbs	15 kg / 33.1 lbs
Dimensions (WxHxD)	483 x 88.1 x 419 mm 19 x 3.5 x 16.5 in. (19"/2U)	483 x 88.1 x 436 mm 19 x 3.5 x 17.2 in. (19"/2U)
Shipping Dim. (WxHxD)	600 x 105 x 527 mm 23.3 x 4.1 x 20.7 in.	540 x 135 x 615 mm 21.3 x 5.3 x 24.2 in.

All specifications subject to change without prior notice

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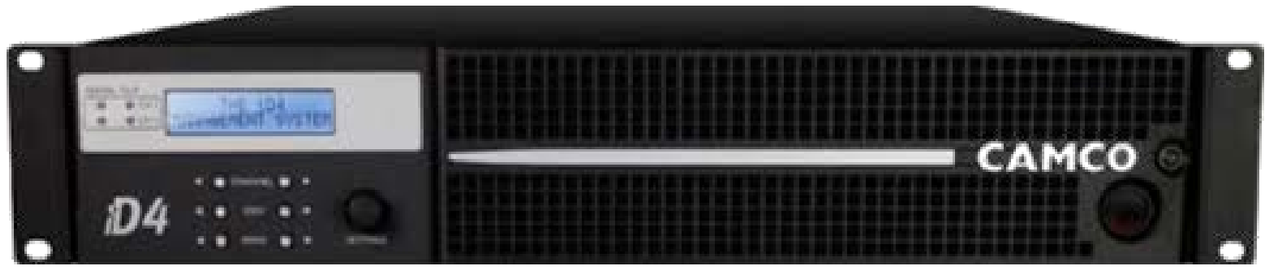
CAMCO

The Ultimate Listening Experience



iD4 captures all the key elements of CAMCO's advanced amplifier designs and marries it perfectly with powerful on-board 64 bit digital processing to produce an advanced power amplifier/DSP management system suitable for all professional applications.

CAMCO

Amplifier - DSP - Software

Excellent Class H technology meets new features

i-Series captures all the key elements of CAMCO's advanced amplifier designs and marries it perfectly with powerful on-board 64 bit digital processing to produce an advanced power amplifier/DSP management system suitable for all professional applications.

Featuring: Two analogue inputs, two AES/EBU inputs, two outputs, ten PEQ bands per input / output, a frequency range from 20 Hz to 40 kHz, rugged analogue input stage dealing with input voltages up to +23 dBu, excellent dynamic range of 120 dB, highest quality converters, all come together forming part of i-Series extensive feature set and resulting sonic purity.

Software

Easy to use and easy to configure system setups, the software includes all the control functions that demanding audio engineers require, it is presented graphically to make it straightforward and intuitive to use. The functions include grouping, clear graphical editing of parametric EQ's, saving of PEQ graphs as images, exporting presets as text files, delay can be measured in metres, millimetres, feet, inches, seconds and milliseconds. Other functions include remote monitoring of status, of external equipment, security access rights and integrated remote firmware upgrade. The software is available for Windows XP, Windows 7 and Mac OS.

The integrated DSP features 10 parametric equalizers (PEQs) on each input and each output. Up to 50 presets can be stored in the DSP for instant recall.

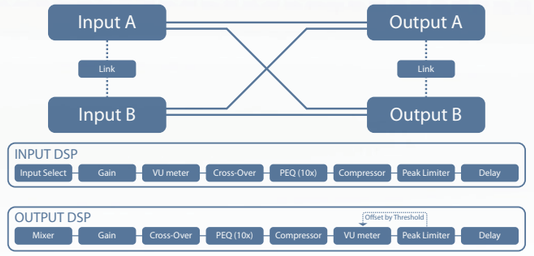
The multiband compressor allows the i-Series amplifier to apply surgical processing to your music, making it punchy but still clean and transparent.

Amplifier

The amplifier section provides highest quality power. CAMCO latest SMPS, high value protection system, intuitive control set & rotary encoder control access to all parameters and functions, navigation is straightforward and clear.

Along with rugged construction and fine styling, shear quality of results from all departments and ease of use have been created to meet the highest of engineering requirements.

The 6 quick-access buttons on the front panel are back-lit making them visible and easily accessible in dim environment. They also serve as shortcuts to the most commonly used features making configuration quick and easy.



The DSP section offers a vast range of filters, compressors, limiters and delay settings making the i-Series into a fully fledged speaker and power management system.

DSP Section

The DSP section features 96 kHz sample rate and high quality converters with dynamic range of 117 dB for the analogue inputs and 120 dB on the outputs, for optimal sonic purity. For each input and output you can set up 10 parametric filters, limiters and delay, making the i-Series fully configurable for any speaker system.

Special features include multiband compressors for surgical processing of your music and grouping functionality for controlling multiple systems simultaneously.

Up to 50 presets can be stored for instant recall from the front panel of the i-Series amplifiers.