Amplifiers

VENEZIA V8 DSPx² 24V

Ch: 8 - 4 | 2000 W



The **VENEZIA V8 DSPx² 24V** represents the most advanced expression of Hertz Marine audio engineering for vessels equipped with 24-volt electrical systems, designed to act as the intelligent heart of high-end and multi-zone onboard sound architectures. Combining exceptional power with advanced digital signal processing, it delivers precise control, immersive sound, and long-term reliability in real marine conditions. The integrated dual-core DSP and EVOCA® proprietary technology work together to optimize loudspeaker behavior in real time, enhancing dynamics, clarity, and listening comfort while protecting system components over time. Thanks to native A2B digital networking, VENEZIA V8 DSPx² 24V enables scalable system architectures with reduced wiring complexity, making it ideal for luxury yachts, OEM applications, and sophisticated installations where performance, efficiency, and integration matter. Certified for Hi-Res Audio and engineered with marine-grade materials, it ensures a refined, high-fidelity listening experience that remains consistent season after season, even in open-air environments.

TECHNICAL SPECS

Channels	8 - 4
Total Power	2000 W
Amp class	D-CLASS

GENERAL SPECIFICATIONS

Operating power supply voltage	20 ÷ 33 VDC / 100A external fuse
Power supply consumption @ 14.4v	50 (A)
Idling current	1.4 (mA)
Standby current draw	1.70 (mA)
Remote IN voltage	8 ÷ 33 VDC (1 mA)
Remote OUT voltage	18 ÷ 33 VDC (150 mA)
Efficiency @ rated power (RMS) @ 14.4 VDC, 1% THD, 4Ohm, All Channels	88% (4 ohms rated power)

AUDIO SPECIFICATIONS

AMPLIFIER STAGE	
Distortion - THD @ 1 kHz, 4Ohm, 70% Rated Power	<0.04%
Damping factor @ 1 kHz, 4Ohm, 2 VRMS	125
Bandwidth @ -1.5 dB	10 - 42k Hz

All the specifications subject to change without notice_20.A

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S/N ratio (A weighted @ 1 V Input) Master Input	98 dBA
S/N ratio (A weighted @ 1 V Input) Optical Input	106 dBA
Input sensitivity Pre-In	0.6 ÷ 6 Vrms (11 kOhm Impedance)
Analog Pre-Out voltage	6 Vrms
Minimum load impedance	2 ohms (STEREO) / 4ohms (BRIDGE)

INPUT STAGE

Pre-In CH	12
Coaxial S/PDIF Digital IN	Max 96 kHz / 24 bit
A2B DIGITAL IN	Up to 16 DSP Channels
Control Wires	4x Customizable control wires (+12V trigger)

OUTPUT STAGE

Amplified Speaker Out	8
DSP Analog Pre-Out	6
A2B DIGITAL OUT	Up to 16 DSP Channels

DIGITAL SIGNAL PROCESSOR

DSP units	2 x Analog Devices ADAU1467
Filter type	Full / High-Pass / Low-Pass / Band-Pass
Filter model and slope	Linkwitz-Riley @ 12/24/36/48 dB/Oct. Butterworth @ 6/12/18/24/30/36/42/48 dB/Oct. Bessel @ 6/12/18/24/30/36/42/48 dB/Oct. Chebyshev @ 6/12/18/24/30/36/42/48 dB/Oct. QLP @ 6 dB/Oct.
Crossover frequency	20 Hz ÷ 20 kHz
Phase control	0° / 180°, All-Pass filters
Output equalizer	Parametric/Graphic Biquad: 15 poles, 20 Hz ÷ 20 kHz
Input equalizer	12 Biquad + Delay
Time alignment distance	0 ÷ 510 cm / 0 ÷ 200.8 inches
Time alignment delay	0 ÷ 15 ms
Time alignment step	0.01 ms

OUTPUT POWER (RMS) @14.4 VDC, 1% THD

8Ch @ 4Ohm	160W x 8
8Ch @ 2Ohm	250W x 8
4Ch (Bridge 1/2; 3/4; 5/6; 7/8) @ 4Ohm	500W x 4

PHYSICAL SPECS

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