FEATURES

- 2U amplifier/DSP systems optimized for VUE line array elements and loudspeaker systems
- 96k Hz sample rate, 64-bit mixed-mode processing and ultra-premium converters provide 120 dB of dynamic range
- Extremely low latency - less than 1ms (typical is 640 microseconds)
- Controllable via SystemVUE software
- Maximum input level of +23 dBu allows for easy interface with any professional system
- Universal integrated UREC™ mains power supply (85-268V) auto switched to work anywhere in the world
- Control each input level and delay (up to 2,000 milliseconds)
- Intelligent DSP monitoring and protection of amplifier functions including over power, voltage or temperature
- Smart input detection circuit automatically falls back to analog if AES digital signal fails
- Dante used here - two channels of Dante

NEXT GENERATION DSP CIRCUITRY

At the heart of the VueDrive™ is an extremely powerful and fully customized integrated circuit from ALLDSP, the world's leading supplier of advanced DSP solutions for professional audio applications. This sophisticated processor is used across multiple VUE product lines, including the h-Class powered loudspeakers. This means that VUE DSP and networking functionality is identical regardless of product or product class, and that different VUE product lines can be easily networked together and controlled via the SystemVUE software. In fact, VUE's DSP is so advanced that our engineers are constantly expanding VueDrive™' configuration programming so that the V242, V3, V4 and V6 Systems Engines can be used with ever-expanding selection of VUE Audiotechnik loudspeakers. From the simplest i-Class configurations, Complex e-class installs, to the most advanced al-Class-based flying rigs, the VueDrive™ Systems Engines are tightly integrated with all four VUE Audiotechnik product classes for improved sonic performance and simplified setup.

NETWORKABLE SOFTWARE CONTROL

The VueDrive™ Systems Engines provide VUE loudspeakers with a highly-sophisticated, networkable DSP and amplifier solutions that enable optimal performance when combined with any VUE loudspeaker system. The VueDrive™ Systems Engines' powerful, next-generation DSP technology handles all system processing and management functions, including speaker protection, system-optimized alignment of EQ, time and crossover functions, as well as system configuration settings. VueDrive™ Systems Engines are fully compatible with the SystemVUE Network, enabling easy system control and monitoring through the intuitive SystemVUE software for Mac and Windows.

INTEGRATED CLASS D AMPLIFICATION

The V242 Systems Engine is the install amp for the e-class and i-class. Input and output are Phoenix style connectors in a 2-in/4-out configuration that houses four discrete 500W amplifiers in its compact 2U chassis.

The V3 Systems Engine is a 2-in/3-out configuration developed o drive two al-12 line array elements to full SPL. This powerful amplifier supplies an impressive two channels at 1600W for the low and mid frequencies, and an additional 550W channel for the high frequency.

The V4 Systems Engine is a 2-in/4-out configuration that houses four discrete amplifiers in its compact 2U chassis. This powerful rack-mount unit supplies an impressive two channels at 1600W for the low frequency, and an additional two channels at 550W for the high frequency.

The V6 Systems Engine is a 2-in/6-out retaining the same compact 2U size as the V4, adding two additional amplifiers for a total of six. Power output is two channels at 1600W for the low frequency, two at 550 W for the mid frequencies, and two at 550W for the high frequencies. The V6 can also be software configured to provide four channels at 1600 watts for specialized applications, such as powering two as-418 subwoofers (custom cabling required).

SPECIFICATIONS

VUEDrive – AMPLIFIER/DSP SYSTEMS ENGINES

MODEL	V242	V3	V4-D	V6-D
DESCRIPTION	Installation Systems Engine	Touring Systems Engine	Touring Systems Engine	Touring Systems Engine
User Interface	Network Software	Network Software	LCD Display with Encoder & Network Software	
Front Panel Display	NA	NA	16 character LCD display	
Inputs Channels	2 Dante or XLR Analog	1 AES3, Dante or Analog	2 AES3, Dante or Analog	
Output Channels	4	3	4	6
Latency (analog in to out)	Less than 1 msec			
User Input Delay	up to 200 msec			
Nominal Input Level	0 dBu			
Max Input Level	23 dBu			
Inputs	Three pin Phoenix Connectors, Dante and control through Ethernet jack.	Female XLR input with male XLR loop output for both analog input and AES EBU digital input (default digital AES channel 1, channel 2 selectable remotely via software). If clock is present system uses AES digital input. System will fall back on analog input if clock is not present. Dante and control through ethernet jack-selectable through software.		
AMPLIFIER POWER				
Long Term Sine Wave before protection 8Ω/4Ω	4x 250/500 watts rms	2x 830/1600 watts rms 1x 275/550 watts rms	2x 830/1600 watts rms 2x 275/550 watts rms	2x 830/1600 watts rms 4x 275/550 watts rms
Average Burst 8Ω/4Ω	4x 300/700 watts	2x 1,250/2500 watts 1x 400/800 watts	2x 1,250/2500 watts 2x 400/800 watts	2x 1,250/2500 watts 4x 400/800 watts
Output Connectors	2x Phoenix touch proof IPC	1x NL8 (Pin1± Amp Ch1, Pin2± Amp Ch2, Pin3± Amp Ch3)	2x NL4 (Pin1± Amp Ch1, Pin2± Amp Ch2)	2x NL8 (Pin1± Amp Ch1, Pin2± Amp Ch2, Pin3± Amp Ch3)
THD+N (typical)	< 0,05 % (20 Hz - 20 kHz, 3 dB below rated power)			
Amplifier Protection	Input limiter, short circuit protection, DC protection of output, under & over voltage protection, intelligent mains fuse protection, power stage overload protection, temperature protection of transformers and heat-sinks			
Network	Ethernet / IP (DHCP, Ad-Hoc or fixed IP) for remote monitoring and control			
Network Connectors	1x Rear RJ45 Ethercon	2x Rear RJ45 Ethercon 1x Front RJ45 Ethercon		
Operational Voltage	Universal Mains, 85-268V (dual voltage auto selection). UREC™ power supply integrated amplifier modules provide universal mains operation for 120 V and 230 V			
Dimensions	2U - 482.6 x 88.9 mm (19 x 3.5 in) - depth 328.6 mm (13 in)	2U - 482.6 x 88.9 mm (19 x 3.5 in) - depth to rear panel 384.2 mm (15.125 in) depth to rear rack ears 844.9 mm (16.125 in)		
Weight	7.7 kg (17 lbs)	10.9 kg (24 lbs)	11.3 kg (24.9 lbs)	11.45 kg (25.2 lbs)

640 ALPINE WAY, ESCONDIDO, CA 92029, USA | T.+1.760.520.1069 | INFO@VUEAUDIO.COM | WWW.VUEAUDIO.COM

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