Infinity Core

Broadcast Mixing Console Processor

For increasingly complex global live productions, the Studer Infinity Core Series comfortably exceeds the most demanding processing requirements, in a compact footprint, with the assurance of the highest level of processing redundancy protection. Studer 'Infinity Core' technology leverages standard IT components to create the ideal flexible, future-ready backend audio signal processing solution.

Capable of processing more than 1000 audio channels in a CPU-based engine, Infinity Core technology provides a scalable system, with faster development of new signal processing designs, huge channel counts, full system redundancy without a single point of failure. In combination with Studer's A-Link digital audio interface, Infinity Core solutions, enable the use of significantly higher density I/O solutions, utilizing up to 11 A-Link interfaces, each with 1536 I/O capability and provides unrestricted distribution of I/O frames over long distances where required.

Infinity Core technology also includes sophisticated redundancy by running two cores in parallel, in primary and secondary modes, with auto fail-over switching without the slightest audible disturbance. Available in 300, 600, and 1000 MEQ channel versions, the Studer Infinity Core delivers unprecedented capacity with superb sonic quality and with more than 5000 paths to processing.

Features

- Infinite processing power (Moore's law (Coined by Gordon Moore, co-founder of Intel) postulates that every 2 years there will be a doubling of the number of transistors per square inch on dense integrated circuit boards. We are seeing the effects of this with our latest Infinity Core Processors, increased power at a competitive price.)
- Scalability of audio signal processing with minimal re-engineering of the processing core
- No need to redesign processing cards with new DSP- or FPGA-chip generation
- Infinity Core technology provides the highest level of processing redundancy protection. With it, two sample-locked cores running in parallel in primary and secondary modes, auto fail-over switching is achieved seamlessly without the slightest audible disturbance.
- 5 HU high, recessed or flush mountable
- Optional full Core redundancy (1+1) with seamless audio switching
- 300, 600 or 1000 MEQ processing channels (1 MEQ = Mono equivalent channel with full processing configuration)
- Max. 768 mono mix-busses (Main, Group, Aux, N-X, vMix, VSP-Reverb etc.), customer configurable
- 11 A-Link ports with max. 1'536 I/O per port (bi-directional)
- Total max. 8'448 I/O (bi-directional) in mixer mode
- Total max. 16'896 I/O (bi-directional) in router mode
- Hot swappable redundant power supply
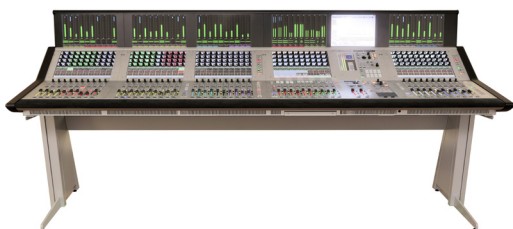
STUDER®
by **HARMAN**

Infinity Core-supported Consoles

Vista X

- Features Vistonics and FaderGlow and provides control of 800 or more audio DSP channels and more than 5,000 inputs/outputs.
- Available in 32-, 42-, 52-, 62-, and 72-fader versions.

Vista V

- Powerful, dependable and flexible broadcast audio mixing solution in compact form factor.
- Features Vistonics and FaderGlow for an intuitive and stress-free operator experience.
- Available in 32-, 42-, and 52-fader versions.

Vista 5 Black Edition

- Cost effective control surface ideal for users in broadcast production, live sound, and performance venues.
- Available in 22-, 32-, and 42-fader versions, and supports an optional TFT meter bridge.

Vista Compact Remote

- Ideal as a synchronized or secondary desk, provides full control and use with all Vista consoles.
- Control surface includes 12 motorised Penny&Giles faders, 40 channel rotary controls, a touch pad and a slide-in keyboard.

STUDER®
by HARMAN