Perspective - Engineers, Designers and Operators

The S-Digital represents familiar territory – it looks and is laid out like an analogue console, complete with dedicated hardware controls for all major functions that use custom-designed LED encoders and OLED displays.

Total recall of every single parameter (cue by cue) on all inputs, and outputs.

Easy control surface set up – whether in FOH mode, 64-send monitor console or full theatre configuration, including 32x32 matrix.

Remote IO can be configured from 48-144 input signals on one of the 72 busses at once. Extra IO can be switched on/off on a cue-by-cue basis.

A large-scale number of inputs can be routed to outputs and controlled by a single control surface.

Utilises Cadac's bespoke extremely high speed and bandwidth data and audio transport comms. This includes full redundancy back-up, plus built-in PSU monitoring and talkback comms.

Embedded control software means the entire control surface remains operational, even if the computer-based cue automation system goes offline.

Enough DSP power to provide audio processing and dynamics on every single input and output as standard. Expansion slots available for future upgrades and plug-ins.

Sophisticated FPGA programming allows for adding direct outs, sends and returns, with no need for additional DSP.

Superb Cadac audio quality in both the digital and analogue domains.

Uniform compensated latency across all channels and outputs.

Exemplary EMC design and engineering protects against risk of control or audio failure from RFI artefacts and static electricity.

Different types of analogue and digital IO available.

S-Digital Benefits

Totally intuitive and familiar operation. No touch screens that you have continually to re-calibrate. No scrolling through layers. No learning curve or need to use the manual. All key functions are less than one button press away.

All or any parameters can be easily copied and pasted between channels or outputs.

Extremely fast set-up times enabling a wide variety of tasks to be performed. Control surface can be expanded during tech with extra frames relocated or removed at show time.

You only ever need one console – no show is too large, requiring the need for submixers or bussing two consoles together.

The S-Digital can act as a large-scale installation data and audio router.

Ensures an exceptionally fast control response, just using coax or fibre connections and no multicores. Enables you to locate the Control surface, DSP rack and any number of input and output racks in any location.

Extremely reliable and serviceable. Full redundancy provided (including DSP, control surface and PSU) with all modules hot pluggable.

No need for external processors and racks of 3rd party equipment. (Gates, compressors, limiters, EQ, Hi/Lo pass filters, Delay). The EQ is modelled on the analogue Cadac.

By adding an output rack (into digital or analogue) to the recording medium of your choice, you can record one or every night of a performance.

Blindfold tests indicate that you cannot tell the difference between Cadac analogue or digital audio.

Eliminating group delay and any comb filtering side effects.

Designed to ensure no down time or cancellations.

Can interface with any other analogue or digital core system.

Perspective - Owners

Offers a serious return on investment over console life, with long-term reliability over many years, as proven countless times before on Cadac consoles.

Modular Control Surface, I/O and DSP.

Designed to provide an easy learning curve and fast configuration.

Single or Multi-Operator control available with multiple listen systems provided as standard. The compact and lightweight control surface (only 2088mm wide) is expandable by adding multiple control frames.

Developed by the world leader in theatre console design in very close association with all of the world's top sound designers, engineers, operators and system technicians. Paying close attention to control functionality, hardware and complemented by Cadac's proven Sound Automation Manager show control system.

S-Digital Benefits

A console will be earning money long after it is paid for, and will retain capital value.

Allows for easy configuration, maintenance and future upgrade path. Long lifespan.

Reducing "in the shop" prep and show set up/design time.

Ensures shorter set up and show design times. (Extra control surface frames used for tech can be relocated or removed afterwards.)

New SAM show control software utilises library components for faster design times. Tracking mode allows for "one night only" offsets and parameter "ripple through" changes without the need to redesign the whole show.
Full offline SAM programming suite available for pre show prep.

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