Lawo at NAB 2023



Lawo .edge

Lawo, the avant-garde German technology company, is set to captivate attendees at the upcoming 2023 NAB Show in New York. Located at booth 617, Lawo will present an extended IP portfolio tailored to the broadcast and professional audio communities. Furthermore, in a world debut, Lawo will showcase its latest product launched during a special online event on the day before NAB. Be prepared for spectacular sparks of innovation.

Central to the NAB New York presentation – beside the newly launched product – are Lawo’s HOME Apps. These pioneering software applications - HOME Multiviewer, HOME UDX Converter, HOME Stream Transcoder, and HOME Graphic Inserter - are based on a flexible microservice architecture and offer remarkable processing capabilities with minimal energy consumption. This enables rapid adaptation to evolving requirements and budget considerations. Supporting SMPTE ST2110, SRT, JPEG XS, NDI, and H.264/H.265, Lawo's HOME Apps thrive in mixed technology environments, instantly adjusting to emerging format requirements. They run seamlessly on standard servers, whether on-premise, in remote data centers, or in the public cloud, thus redefining media processing versatility.

Also on show is the HOME-native .edge Hyper-Density SDI/IP Conversion and Routing Platform. Each rear I/O blade provides 48 HD-BNC connectors for SD/HD/3G/UHD SDI interfacing, resulting in 192 SDI/IP conversions per 2RU. .edge is designed as a dense gateway for IP and hybrid infrastructures and as an easy drop-in SDI router replacement. It provides full support for the SMPTE ST2110 suite of standards as well as ST2022-7 redundancy, with advanced essence-based handling and seamless protection switching of audio, video and ancillary data streams in both local and wide-area network workflows. Through licensable options like proxy generation and JPEG XS compression, Lawo mitigates bandwidth constraints, streamlining IP pipes and optimizing workflows. Customers benefit from JPEG XS encoding and decoding at the network’s edge for bandwidth-neutral compression as well as bandwidth-saving proxy generation in remote workflows and any application where bandwidth is finite.

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Lawo's commitment to empowering live productions is evident in the V10.8 software release for the mc²/A__UHD Core/Power Core platform. With features like flexible bus routing, expanded AUX count (up to 256 busses), QSC Q-Sys proxy integration in HOME, Remote Show Control via OSC, and more, Lawo's platform sets a new benchmark for live performance capabilities. In addition, NMOS support for the mc² Gateserver bolsters device compatibility, offering seamless integration into Lawo's ecosystem.

Highly configurable and available with a versatile console-width “Virtual Extension” touchscreen option, the modular diamond broadcast console can be customized to fit any operational scenario from 2-fader production booths to massive 60-fader MCR installations. Its compact size is ideal for small spaces, yet informs beautifully with two high-resolution color TFT displays per fader strip, touch-sensitive faders and rotary controls, and customizable color-coded control groups. Nine different modules offer two fader styles, full- and half-width monitor options, and 3 different key/rotary control modules. The Virtual Extension’s 13.3” HD color touchscreens instantly visualize context-sensitive data like EQ curves, compression settings, DSP functions and routing setups.

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diamond’s mixing engine is Lawo’s compact 1RU Power Core, which accommodates hundreds of AoIP, MADI, Dante, AES3 and analog signals, with multiple license packages to tailor capabilities to operations. Power Core complies with the ST2110-30 standard ensuring seamless operation in combined radio / TV broadcast plants, as well as ST2022-7 Seamless Protection Switching for simultaneous, redundant network links. The Audio I/O Extender (AIOX) unit, also displayed in New York, adds 64 analog or digital I/O per unit; up to 20 may be connected to a single Power Core to add as many as 1,280 additional I/O per system, making Power Core an extremely space-efficient baseband-to-IP gateway solution.

Lawo invites industry professionals to visit booth 617 at the 2023 NAB Show in New York and explore these exciting solutions first-hand. And watch out for another sparkling facet in Lawo’s radio broadcast portfolio.

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