



Harmonic Boosts Video Streaming and Broadcast Efficiency with Next-Generation XOS and Spectrum X Solutions

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Harmonic's Software-Based Solutions Achieve Unprecedented Performance, Energy Efficiency and Cost Savings

SAN JOSE, Calif., Sept. 12, 2024 /PRNewswire/ -- Harmonic (NASDAQ: HLIT) today announced that the company will showcase the latest generation of appliances for its XOS Advanced Media Processor and Spectrum X Media Server at IBC2024, driving new efficiencies for production, playout, video streaming and broadcast delivery workflows. The next-generation XOS media processor enables 50% more channel encoding and transcoding than the previous generation, while the Spectrum X media server doubles channel density for most workflows, representing a breakthrough in energy efficiency and cost savings.



"Efficiency is paramount in today's cost-conscious video streaming and broadcast market. Our customers are striving for significant improvements, and our software solutions are designed to help them meet their cost-efficiency goals," said Stéphane Cloirec, vice president, video appliances and software product management at Harmonic. "By offering a substantial reduction in total cost of ownership, including lower costs per channel, reduced CapEx investment and minimized power consumption, we enable broadcasters and video service providers to achieve greater operational efficiency with less equipment, cables, rack space and cooling requirements."

In addition to offering increased encoding and transcoding performance, the new XOS media processor provides 33% reduced power consumption per channel (8 Watts per HD channels). It also features a new encoder stress performance gauge that measures CPU resource consumption and the video quality of channels encoded by XOS in real time. Through this innovative performance gauge, broadcasters and video service providers can maximize the number of channels each XOS processor encodes while ensuring exceptional video quality.

Featuring AI-powered video compression and quality optimization technology, the XOS media processor enables service providers to reliably deliver crystal-clear video quality at the lowest possible bitrates.

Harmonic's Spectrum X media server enhances production and playout workflows by combining file, baseband and transport stream ingest with integrated channel playout capabilities. The next-generation Spectrum X system delivers outstanding broadcast quality and mission-critical reliability from a 1RU COTS server, which is perfect for space-constrained applications and for service providers looking to future-proof their infrastructure.

Apart from boosting operational efficiency, these next-generation platforms are key to enabling new services like the introduction of advanced video codecs such as VVC and the manipulation of visually lossless content such as JPEG-XS.


Harmonic will demonstrate its next-generation XOS advanced media processor and Spectrum X media server at IBC2024, Sept. 13-16 in Amsterdam. To schedule a meeting with Harmonic at IBC2024, stand 1.B20, visit www.harmonicinc.com/video-streaming/events/ibc. Further information about Harmonic and the company's solutions is available at www.harmonicinc.com.

About Harmonic

Harmonic (NASDAQ: HLIT), the worldwide leader in virtualized broadband and video delivery solutions, enables media companies and service providers to deliver ultra-high-quality video streaming and broadcast services to consumers globally. The company revolutionized broadband networking via the industry's first virtualized broadband solution, enabling operators to more flexibly deploy gigabit internet services to consumers' homes and mobile devices. Whether simplifying OTT video delivery via innovative cloud and software platforms, or powering the delivery of gigabit internet services, Harmonic is changing the way media companies and service providers monetize live and on-demand content on every screen. More information is available at www.harmonicinc.com.

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Statements concerning Harmonic's business and the anticipated capabilities, advantages, reliability, efficiency, market acceptance, market growth, specifications and benefits of Harmonic products, services and technology are forward-looking statements. These statements are based on our current expectations and beliefs and are subject to risks and uncertainties, including the risks and uncertainties more fully described in Harmonic's filings with the Securities and Exchange Commission, including its Annual Report on Form 10-K for the year ended Dec. 31, 2023, its Quarterly Reports on Form 10-Q and its Current Reports on Form 8-K. The forward-looking statements in this press release are based on information available to Harmonic as of the date hereof, and Harmonic disclaims any obligation to update any forward-looking statements.

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