



## Live Sports Get Personalized with Harmonic, Google and 3SS

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### Breakthrough Picture-in-Picture, Sports Multiview and Personalized Mosaic Capabilities on Android TV™ Demonstrated at IBC2019

SAN JOSE, Calif., Sept. 12, 2019 /PRNewswire/ -- Harmonic (NASDAQ: HLIT), in collaboration with Google and 3SS, has created an integrated OTT and broadcast live sports workflow on Android TV™, delivering essential tailored features such as picture-in-picture, multi-view and personalized mosaic. At IBC2019, on Harmonic Stand 1.B20 and Google Stand 14.E02, the companies will demonstrate how pay-TV operators can now deliver personalized, low-latency live sports experiences on OTT and hybrid set-top boxes (STBs) using Harmonic's VOS® cloud-native live video platform, a powerful UHD STB and the 3READY custom launcher application from 3SS.



The demo incorporates Harmonic's containerized VOS software platform, spanning content preparation through origin server, hosted on Google Cloud Platform. Enabling unified OTT and broadcast delivery workflows, the VOS platform ensures low latency and exceptional picture quality for all multistream applications, improving the live sports experience.

"Personalized experiences are common in OTT sports environments, and it's time to bridge the gap between the OTT and broadcast worlds," said Shahar Bar, senior vice president, Video Business, at Harmonic. "This tailored live sports OTT and linear experience on Android TV is a breakthrough in our industry, made possible thanks to a unique cloud-native live video platform provided by Harmonic, a powerful UHD STB powered by Android TV and an intuitive user experience enabled by 3SS."

"The customer need for live sports is super simple. It has to be live and in best quality. The reality is that OTT live streams typically have a latency between 30-90 seconds and are often far from ultra-high quality," said Pierre Donath, chief product officer at 3SS. "Together with Harmonic, we challenged what's possible and created the next level of OTT live sports and personalized linear experience by combining our industry-leading technologies powered by Android TV."

Harmonic will demonstrate its hybrid OTT and broadcast solutions at IBC2019, Sept. 13-17, in Amsterdam at Stand 1.B20. Additionally, at the Google booth, Stand 14.E01, Harmonic's vice president of video strategy, Thierry Fautier, will present "Enhancing Live Sport Experience with Harmonic on Android TV" on Saturday, Sept. 14 at 4:30 p.m. and will show off VOS360 SaaS running on Google Cloud throughout the show. Further information about Harmonic and the company's solutions is available at [www.harmonicinc.com](http://www.harmonicinc.com).

*Android TV is a trademark of Google LLC*

#### About Harmonic

Harmonic (NASDAQ: HLIT), the worldwide leader in video delivery technology and services, enables media companies and service providers to deliver ultra-high-quality broadcast and OTT video services to consumers globally. The company has also revolutionized cable access networking via the industry's first virtualized cable access solution, enabling cable operators to more flexibly deploy gigabit internet service to consumers' homes and mobile devices. Whether simplifying OTT video delivery via innovative cloud and SaaS technologies, or powering the delivery of gigabit internet cable services, Harmonic is changing the way media companies and service providers monetize live and VOD content on every screen. More information is available at [www.harmonicinc.com](http://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, 2018, 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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