Skyworth Digital Showcased New All-in-one AI Home Hub Powered by Amlogic S905D5 at IBC 2026

AMSTERDAM, NETHERLANDS, September 13, 2026 /EINPresswire.com/ -- Integrated edge-AI hub redefines connected home experience with on-device AI, multi-mode interaction and portable design, showcased at IBC 2026 in Amsterdam

Skyworth Digital, a world‑renowned innovator of consumer electronics and smart home devices, today announced All-in-one AI Home Hub built upon Amlogic's high-performance S905D5 SoC will be demonstrated during IBC 2026.

Designed as a central intelligent control and entertainment terminal for modern households, the Skyworth All-in-one AI Home Hub runs an Android-based AI Home OS. Driven by the Amlogic S905D5—featuring a quad-core ARM V9 CPU delivering over 40K+ DMIPS, an integrated 4 TOPS NPU for robust edge-AI computing, and an integrated small-size display—the hub enables rich on-device AI capabilities without heavy cloud dependency.

The portable unit integrates a built-in 5200 mAh battery for flexible placement around the home. Equipped with a 5MP integrated camera, it supports family interactive games and fitness tracking plus HDMI connecting to large format TV for shared viewing experiences. The device hosts a full suite of family-centric functions: multi-language AI voice assistant, proactive and scheduled smart-home services, unified smart-home management & control, personalized content recommendation, casual chat & companionship, educational interaction, kids-and-elderly care features, plus an AI-powered family digital album.

"Edge-AI is reshaping what home terminals can deliver beyond traditional media playback," said James Xie, Senior Vice President of Corporate Business Strategy at Amlogic. "Our S905D5 SoC brings balanced CPU performance and dedicated local NPU horsepower, enabling Skyworth to pack diverse AI-driven household features into one compact all-in-one hub. This collaboration demonstrates how Amlogic silicon empowers ODMs to build differentiated, end-user-focused smart home hardware for global markets."

"The All-in-one AI Home Hub represents our vision for a unified, human-centered smart home," commented Srithar Bala, Chief Product Officer at Skyworth. "By leveraging Amlogic S905D5's robust multimedia and edge-AI processing, we combine entertainment, home control, camera-based interaction and family care scenarios in one portable device. We are delighted to

showcase this joint innovation for European operators, retailers and industry partners at IBC□2026."

About Amlogic

Amlogic is a world-leading fabless semiconductor company that specializes in the design, development, and application of high-intelligence system-on-chips (SoCs). As a result of its cutting-edge technologies and best-in-class solutions, the company has actively expanded into new areas including edge AI processors, wireless connectivity, and automotive electronics — ushering in a new era of smart living. By providing complete turnkey solutions in combination with industry-leading software and hardware technologies — including multimedia processing, AI accelerators, state-of-the-art security systems, and advanced CPUs and GPUs — customers can rapidly optimize and develop market-leading products with world-class performance.

Amlogic is dedicated to sustainability and implements state-of-the-art silicon processing techniques along with advanced power management solutions. Founded in Silicon Valley, Amlogic has R&D, support, and sales offices worldwide. To learn more about products of Amlogic visit: https://www.amlogic.com/

About Skyworth

Skyworth is a leading global manufacturer of consumer entertainment products. Skyworth has grown into a global company with operations in more than 100 countries and regions.

Through continuous innovation in AI, display technology, smart connectivity and green energy solutions, Skyworth dedicated to developing home entertainment products and appliances that deliver premium experiences while supporting a sustainable future. Learn more at www.skyworth.com.

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