Amlogic to Showcase Its AI-Native Ecosystem, Delivering Cost-Efficient Intelligence at Scale, IBC2026 (Stand 1.F40)

SANTA CLARA, CA, UNITED STATES, August 12, 2026 /EINPresswire.com/ -- Amlogic, a leading fabless semiconductor provider announced its participation at IBC2026 (September 11–14, Stand 1.F40). At this year's event, Amlogic will showcase its expanding SoC portfolio of Edge-AI solutions, demonstrating Amlogic's strategic capabilities in AI at the edge, enhanced privacy, and seamless user experiences across media, smart home, industrial and vision applications.

Strategic Product Portfolio: Advancing AI-Powered Edge Computing
Amlogic's IBC showcase will feature its latest generation of AI-native, high-performance SoCs, engineered to power intelligent edge applications while reducing operating costs through the optimal balance of edge and cloud computing.

A311Y3: Advanced Edge AI Computing Platform
The A311Y3 represents Amlogic's next-generation Edge AI platform, combining high-performance computing with dedicated AI acceleration capabilities. Featuring an 8-core CPU architecture based on Arm Cortex-A78/A55, an 8 TOPS dedicated hardware NPU, and support for up to 16GB LPDDR5X memory, the platform is optimized for running advanced AI workloads including large language models (LLMs), vision-language models (VLMs), and Transformer-based AI applications at the edge.

With industrial-grade reliability, advanced security features including post-quantum cryptography (PQC), and support for Linux and Android 16 onwards, the A311Y3 enables a broad range of intelligent applications, including smart robotics, interactive displays, AI terminals, and industrial edge computing systems.

S905X5: Next-Generation AI Media Platform
The S905X5 brings advanced AI capabilities to Amlogic's next-generation 4K media platforms. Built on an advanced 6nm process technology, it integrates powerful CPU/GPU processing with dedicated AI acceleration to deliver enhanced multimedia experiences, intelligent content interaction, and real-time AI-assisted applications for connected entertainment devices.

Designed for the next generation of Set Top Boxes, streaming devices, and connected home products, the S905X5 enables richer AI-powered user experiences while maintaining Amlogic's industry-leading multimedia capabilities.

Edge AI Demonstrations: Intelligence in Action

Building on its established AI demonstration platform, Amlogic will showcase a wide range of multimodal AI capabilities enabled by its latest SoCs, including:

- On-device AI Agent

- Multimodal Vision Understanding (VLM) and Real-time Video Content Analysis

- On-device AI Semantic Image Search

- On-device AI Meeting Summarization

- Real-time AI translation

- Voice recognition and enhancement

- Gesture and posture recognition

- Semantic understanding

- AI-powered conversational interaction

- Intelligent image enhancement

- Predictive diagnostics and edge analytics

At IBC2026, Amlogic will demonstrate how on-device AI processing enables lower latency, improved privacy, and more responsive user experiences by reducing reliance and costs associated with cloud-based processing.

Visitors to Stand 1.F40 will experience AI applications powered by the S905X5 and A311Y3 Edge AI platforms, together with real-time IPC solutions based on the C305X2 and C302X2 camera solutions.

Building a Complete Edge AI Ecosystem with Advanced Connectivity

As intelligent edge applications continue to grow, connectivity becomes a critical foundation for AI-enabled experiences. Amlogic will also showcase its latest connectivity solutions, including AP Router platforms featuring multi-core processing architectures, Wi-Fi 6 AX3000 connectivity with dedicated hardware acceleration.

These solutions provide high-performance, full line-rate networking capabilities to support the increasing data demands of of the fully connected home.

Join Amlogic at IBC2026

Dates: September 11–14, 2026
Location: RAI Amsterdam, Netherlands
Stand: 1.F40

For more information, visit: www.amlogic.com

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