Mediatek AI Vision, Voice Platforms Improve Performance per Watt at the Edge

BRANDON LEWIS, EDITOR-IN-CHIEF

The MT8175 AI vision platform delivers fast, precision image capture by integrating an image signal processor (ISP) and AI processing unit (APU) in a single device, enabling an increase in performance over competing image capture solutions at lower power consumption. Beyond smart displays, this technology can be applied to smart cameras on the edge.

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FEATURE

Achronix Speedcore Gen4 eFPGA IP Fits AI/ML and Networking Hardware Acceleration

Achronix Semiconductor, a developer of FPGA-based hardware accelerators, recently announced the availability of its Speedcore Gen4 embedded FPGA (eFPGA) IP.

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FEATURE

Hybrid DSP From CEVA Adds Controller Functionality

Many IoT applications, particularly those serving consumer, automotive, and industrial markets require both digital signal processing (DSP) capability, as well as digital signal control.

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NEWS

Avnet and Newark element14 Join Forces on SmartEdge Agile with AI and Security at the Edge

Newark element14 and Avnet, along with Octonion and ST Microelectronics, have developed SmartEdge Agile, a low power, IoT

ready-to-use device. It has nine sensors and can implement artificial intelligence (AI) at the edge via an easy-to-use, zero-code interface.

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NEWS

AAEON Joins Forces with Gorilla Technology Group at CES to demo High-Performance AI Computing

AAEON and Gorilla Technology Group have come together to demonstrate their AI computing capability for smart transportation solutions during CES 2019.

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NEWS

Mirabilis Design Releases VisualSim AI-based Automotive Architecture Exploration Platform

MIRABILIS
design

Mirabilis Design has released its Time-Sensitive Networking (IEEE802.1Q) protocol in the VisualSim AI-based Automotive Architecture Exploration Platform.

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NEWS

Sensory Introduces TrulySecure Sound ID for Identifying Home Sounds

sensory

Sensory has released TrulySecure Sound ID, an always-listening, cloud-free AI helping devices identify and interpret ordinary and crucial sounds within the home, and debate if action needs to be taken, preventing the security risk of sending audio recordings to the cloud.

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NEWS

AImotive aiSim2 autonomous vehicle simulator brings determinism to hardware/software-in-the-loop testing

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AImotive has released the aiSim2 simulator, an autonomous vehicle technology for testing and validating self-driving cars. Unlike game-based simulators, aiSim2 relies on a purpose-built engine and optimized hardware that adhere to the laws of physics and deliver high levels of determinism and realism.

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