



NXP Announces Full Availability of Offline Vision Solution, based on the i.MX RT106F Crossover Microcontroller for Face and Expression Recognition

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NXP Semiconductors today announced the release of its offline vision solution, SLN-VIZN-IOT, a comprehensive, integrated development platform that includes a hardware module design and associated software required to implement offline face and expression recognition. Based on NXP's i.MX RT106F crossover microcontroller, the company's turnkey face and expression recognition solution enables original equipment manufacturers (OEMs) to quickly, easily and inexpensively incorporate face and expression recognition into a diverse range of Internet-of-Things (IoT) products.

The solution provides low latency and eliminates the need for cloud connectivity. Additionally it is designed to remove the cost and overhead associated with an MPU-based system. The i.MX RT106F leverages NXP's vision processing engine to provide a breakthrough in price and performance, using a neural network to perform face detection, recognition and anti-spoofing. Developers can now take advantage of NXP's MCU-based solution to offer advanced human machine interface (HMI) capabilities that can anticipate and personalize the end user's experience with smart edge devices such as smart appliances, thermostats, lighting, alarms and power tools.

About the i.MX RT106F Crossover Microcontroller

The i.MX RT106F is an EdgeReady solution-specific member of the i.MX RT106F family of crossover MCUs, targeting low cost embedded face recognition applications. It features NXP's advanced implementation of the Arm® Cortex®-M7 core, which operates at speeds up to 600 MHz. The i.MX RT106F processor is licensed to run NXP's turnkey face and emotion recognition software solution, which includes image capture and pre-processing, face detection, alignment and recognition, with anti-spoofing and many additional features. In addition to delivering the face recognition capability, the i.MX RT106F MCU can also be used as the main microcontroller in most IoT product implementations.

Pricing and Availability

The SLN-VIZN-IOT development kit is available now, priced at an MSRP of \$199 USD. Find additional details about the kit and i.MX RT106F MCU, with ordering information for both, at: <http://www.nxp.com/mcu-vision>

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