

Media Alert



Media Alert: RT-RK to showcase Infotainment unit and Informational Driver Assistance with Automotive Machine Vision (AMV) software development kit on top of Qualcomm Snapdragon 820A at CES 2017

Novi Sad, Serbia – December 27, 2016 – RT-RK, a leading embedded and automotive software development house in Southeast Europe today announced plans to showcase a software development kit, dubbed RT-RK AMV (Automotive Machine Vision), intended for rapid development of multi-sensor algorithms for informational advanced driver assistance (ADAS) purposes integrated with infotainment functions, for the car.

What

RT-RK will demonstrate AMV platform and Qualcomm® Snapdragon™ 820A processor together running reference ADAS algorithms and infotainment applications. AMV provides a software model to develop algorithms which utilize available sensors (cameras, proximity), as well as multiple processing cores (CPUs, DSPs and GPUs) in an efficient way, in order to provide for the development of complex, computer vision and machine learning– based applications. AMV is a low level SW development kit, operational under Automotive Grade Linux (AGL), acting as a middleware stack which provides APIs to informational ADAS application developers to implement algorithm pipelines in an efficient, cost-effective and platform-agnostic manner.

AMV stack on top of the Snapdragon 820A is designed to provide heterogeneous compute cores that help in computer vision and machine learning. AMV provides sensor processing alongside Infotainment functionalities, which are all executed on top of multiple cores within the Snapdragon 820A. Within the demonstration, Infotainment unit will be showcased running side by side with intelligent ADAS algorithms like aroundview and driver monitoring, fusing the camera and other vehicle sensors on a single Snapdragon S820A processor. The framework is designed to bring in informational safety features to Infotainment systems.

When

The Consumer Electronics Show will be held January 5-8, 2017. The show is open from 10 a.m. to 6 p.m. on Thursday, 9 a.m. to 6 p.m. Friday through Saturday, and 9 a.m. to 4 p.m. on Sunday.

Where

Las Vegas Convention Center
North Hall, Qualcomm Automotive booth (N5609)

About RT-RK

RT-RK LLC is a R&D company and national research institute that delivers development services and own products in the arena of real time embedded systems, with strong focus on consumer electronics and automotive. Headquartered in Novi Sad, with offices in Belgrade (Serbia), Banja Luka (Bosnia and Herzegovina) and Osijek (Croatia) with over 800 engineers, RT-RK is one of the biggest development houses in Southeast Europe. RT-RK is professionally engaged in embedded system design, automotive software development, home automation technology, TV software development, testing of set-top box and multimedia devices, UI/UX design, digital signal processing, and FPGA rapid prototyping.

For more information, visit www.rt-rk.com

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