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Acconeer launches Evaluation Kit for A121 – new pulsed coherent radar sensor in A1 product family

As previously announced, Acconeer introduces a new high-performance radar sensor, A121, and today the evaluation kit (EVK) for the product has been shipped to distributors and will soon be available for customers to buy. The A121 radar sensor is planned to be ready for mass production in the first quarter of 2023.

CEO, Lars Lindell, comments: “This is a huge milestone for Acconeer as a company, as it moves us from a one-product startup to a multi-product company and proves that we have the capabilities to develop and maintain several sensor products in parallel. Now we are looking forward to seeing all the innovative customer products and use cases the A121 enables.”

The EVK for A121 consists of an evaluation board, XE121, and a connector board XC120 which makes it possible to connect the EVK to a computer using USB C. The XE121 includes the A121 sensor and is compatible with Raspberry Pi as well as STM32 Nucleo from ST Microelectronics. In addition, a compatible lens kit, LH120, is available. In the coming months a satellite board called XS121 will be launched to let customers evaluate multi-sensor use cases with the XE121.

Head of Product Management, Mikael Rosenhed, comments: “Many of our customers use microcontroller units (MCUs) from ST Microelectronics in their products, and by making our EVK compatible with the Nucleo system from ST we make evaluation and development very easy for all of them. For customers using other MCU suppliers, the Raspberry Pi option still exists and will work just as well as before.”

The new product will complement the A111 radar sensor and will have even lower power-consumption, increased performance and improved data quality. This will be of use in advanced power-critical use cases such as gesture-control using micro-motions and battery-driven IoT applications. The A121 will also have support for flexible power supply, with an IO interface of 1.8-3.3 V and will be qualified for AECQ-100 grade 2 to ensure operation over a wider temperature range. Being part of the A1 family, A121 is pin compatible with A111.

Acconeer launched the A111 pulsed coherent radar sensor during the spring 2018, and the A1 product family will now be complemented with the high-performance sensor A121. The next generation product family, A2, which is co-developed with Alps Alpine, will be launched in 2024 as previously announced.

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About Acconeer AB

With ground-breaking technology, Acconeer has developed a radar sensor that opens a new world of interaction. Acconeer Micro Radar Sensor, with low power consumption, high precision, small size and high robustness, is a 60GHz robust and cost-effective sensor for detection, distance measurement, motion detection and camera-supported applications with low power consumption. Acconeer combines the advantage of low power consumption with highly accurate pulsed radar systems of coherent radar, all integrated into a component with a surface area of only 28 mm². The radar sensor can be included in a range of mobile consumer products, from smartphones to wearables, but also in areas such as robots, drones, the Internet of Things, healthcare, automotive, industrial robots and security and monitoring systems. Acconeer is a semiconductor company and, as a business model, sells hardware to manufacturers of consumer electronics products. Acconeer is listed on Nasdaq First North Growth Market with the ticker code ACCON, Redeye is the company's Certified Advisor (CA) and can be contacted via telephone +46(0)8 121 576 90 or via e-mail certifiedadviser@redeye.se. For more information: www.acconeer.com.