

Press release for immediate release

CSEM Awarded Outstanding Score in Vision Systems Design 2017 Innovators Awards Program

Switzerland, April 4, 2017 –CSEM, the private, non-profit Swiss research and technology organization, announced today that its Vision-in-Package system for real-time embedded facial recognition was recognized by the judges of the annual Vision Systems Design Innovators Awards program. The judging panel consisted of esteemed experts from system integrator and end-user companies.

CSEM was honored with a gold-level award. The Vision-in-Package (VIP) system is a tiny, complete camera system with a low-power processor, a high-dynamic-range image sensor, optics, storage and communication interfaces. The facial recognition application runs in real time and is fully embedded on the VIP. Facial recognition is just one application of the VIP system. Others include robotic guidance, autonomous driving applications, smart homes, personal health monitoring, automated farming, and product verification.

“Compared with face analysis systems that run on powerful HW architectures, CSEM’s solution requires orders of magnitude less CPU time and memory – a combination well-suited to cost-effective, small-space applications,” explains Alain-Serge Porret, Vice-President of the Integrated and Wireless Systems Division at CSEM.

Alan Bergstein, publisher of Vision Systems Design (www.vision-systems.com) said *"This prestigious program allows Vision Systems Design to celebrate and recognize the most innovative products and services in the vision and image processing industry. Our 2017 Honorees are an outstanding example of companies who are making an impact in the industry."*

The Innovators Awards are judged based on the following criteria:

- Originality
- Innovation
- Impact on Designers, Systems Integrators, End Users
- Fulfilling a need in the market that hasn't been addressed
- Leveraging a novel technology

The 2017 Visions Systems Design Innovators Awards Honorees are featured in the June Issue of Vision Systems Design magazine as well as on www.vision-systems.com.

About Vision Systems Design

Published since 1996, Vision Systems Design is a global resource for engineers, engineering managers and systems integrators that provides comprehensive global coverage of vision systems technologies, applications, and markets. Vision Systems Design's magazine, website (www.vision-systems.com), email newsletters and webcasts report on and analyze the latest technology and business developments and trends in the worldwide machine vision and image processing industry.

About The Vision Systems Design 2017 Innovators Awards program

The Vision Systems Design 2017 Innovators Awards program reviewed and recognized the most innovative products and services in the vision and image processing industry. Honorees were announced at Automate 2017 held in Chicago, IL, USA. Criteria used in the Innovators Awards ranking included: originality, innovation; impact on designers, systems integrators and end-users; fulfilling a need in the market that hasn't been addressed, leveraging a novel technology, and increasing productivity.

About CSEM

CSEM—technologies that make the difference

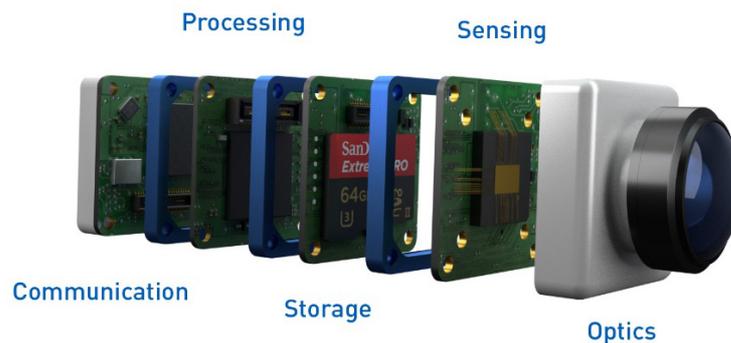
CSEM, founded in 1984, is a Swiss research and development center (public-private partnership) specializing in microtechnology, nanotechnology, microelectronics, system engineering, photovoltaics, and communications technologies. Around 450 highly qualified specialists from various scientific and technical disciplines work for CSEM in Neuchâtel, Zurich, Muttenz, Alpnach, and Landquart.

Further information is available at www.csem.ch

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Vision-in-package system



VIP exploded view

Discover the VIP system in action on our YouTube channel: [Real-time face detection and recognition: Just one application of the vision-in-package system](#)

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Press release