

Press release
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Modular Area View Kit allows OEMs fast setup of test systems

First Sensor presents a modular Area View Kit (AVK) for the setup of 360° all-round view systems for applications in special vehicles and machines. The Area View Kit allows solution providers, integrators and OEMs to quickly and easily build up, develop, and test a demo system. Therefore, it accelerates the development process and minimizes technology risks. The kit consists of four digital HDR-CMOS cameras with a range of accessories for mounting on the vehicle or on a metal plate for desktop applications. The AVK software stitches the images of the individual cameras together to form a virtual overall picture and allows the programming of arbitrary viewing angles and zoom functions.

The Area View Kit delivers real-time images not only from a bird's eye view, but from any angle in a 360° all-round view. The driver or operator virtually looks from the outside on his machine and recognizes obstacles and distances to objects. This increases both the reliability and productivity through faster maneuvering and avoidance of accidents and interruptions. The robust, high-performance CMOS cameras of the Area View Kit feature a very wide dynamic range >100 dB for difficult lighting conditions and withstand the harshest environmental conditions such as cold, heat and permanent vibrations. The platform-independent, flexible AVK software can be easily integrated in various operating and image processing systems and adapted to customer requirements. The kit provides an OpenGL ES application programming interface and minimizes CPU load through the predominant use of the graphics processor. On request, the development engineers at First Sensor support OEMs in the adaption, development and expansion of the Area View Kit in the specific customer application.

Important features of the Area View Kit (AVK):

- Fast and easy buildup of 360° all-round view systems
- Consists of four HDR-CMOS cameras, software and accessories
- Arbitrary viewing angles and zoom functions
- OpenGL ES application programming interface

The Area View Kit is ideal for solution providers, integrators and OEMs to develop 360° area view systems for motor vehicles, commercial vehicles, special vehicles, as well as agricultural, construction and mining machines.

About First Sensor AG

First Sensor AG is one of the world's leading suppliers in the field of sensor systems. Our company develops and manufactures both standardized and tailor-made sensor solutions for the detection of light, radiation, pressure, flow, level and acceleration for applications in the Industrial, Medical and Mobility growth markets. The company produces in-house and along the value-added chain from component to system level.

With over 800 employees, we are represented at six German locations and also have development, production and sales sites in the USA, Canada, China, the Netherlands, Great Britain, France, Sweden and Denmark along with a worldwide partner network. We guarantee our compliance through regular successful certifications of the sites according to ISO/TS 16949, ISO 14001, EN ISO 13485, EN 9100 and ISO 9001 - matching the respective business field.

First Sensor AG is listed in the Prime Standard of the German stock exchange in Frankfurt.

For more details on First Sensor, please visit: www.first-sensor.com

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First Sensor AG

Peter-Behrens-Str. 15
12459 Berlin
Germany
T +49 30 6399 2399

Technical press contact:

Doris Tischer
Director Marketing Communications
Email: technical.press@first-sensor.com
T +49 89 80083-48
