



Bosch Augmented Reality applications now also work with the new Microsoft HoloLens 2

Bosch AR solutions ease and accelerate several working processes

February 2019
PI 10873 AA Kr

- ▶ Bosch's Common Augmented Reality Platform (CAP) is now also available for the new Microsoft HoloLens 2
- ▶ Bosch CAP allows quick and easy creation of digital contents.
- ▶ Microsoft HoloLens 2 is a self-contained holographic computer that enables hands-free, heads-up interaction with 3-dimensional digital objects.
- ▶ Using Bosch AR applications for repair tasks allows time savings of 15 percent in average.

Karlsruhe – Whether logistics, trainings or support for rescue forces, Bosch Augmented Reality applications have eased and optimized several working processes in different areas throughout the last years. AR can be used for numerous applications. By means of the Common Augmented Reality Platform (CAP) developed by Bosch, the merger of both real and digital worlds can easily be adapted to new fields of application. CAP is also available for the new Microsoft HoloLens 2 presented in the run-up to the Mobile World Congress trade fair in Barcelona. Due to its great experience concerning AR applications, Bosch will be one of the first companies worldwide to use and test the new HoloLens 2 as part of a strategic cooperation. “With the new HoloLens 2, we are able to expand the potentials of our Augmented Reality applications even better. In addition, the new HoloLens 2 also provides the technical basis for the development of pioneering AR applications previously only realizable to a limited extent”, Jürgen Lumera, Bosch Augmented Reality product manager, said.

AR applications are already used to train workshops regarding sophisticated repair tasks on vehicles, for example. There is, for instance, a special AR training on how to readjust the sensors of driver assistance systems – e.g. after replacing the windshield. In this regard, it is of major importance to keep an eye on the whole vehicle. The new HoloLens 2 provides a much bigger field of view than

former products. This allows displaying more details and watching larger objects from closer. And the manufacturer also increased the wearing comfort of the HoloLens 2 significantly.

Significant time savings thank to Augmented Reality

Augmented Reality applications complement the real image superimposing useful and time-saving additional information. In case the wearer of AR glasses looks onto a vehicle or a machine featuring AR information, explanations, 3D objects or videos are added to the real image. Technical nexuses thus literally become transparent. Bosch performed a field study at the Automotive division to analyze the benefits of Augmented Reality applications. Augmented Reality allows time savings of 15 percent in average per step taken – even on common vehicles and in case of less sophisticated repair tasks.

In order to create efficient Augmented Reality applications, Bosch created the Common Augmented Reality Platform (CAP) allowing the fast and easy integration of digital and visual contents. Fed with stored contents, the platform compiles the required data for each specific Augmented Reality application. Combining powerful CAP applications with the new HoloLens 2, the realization of AR scenarios previously considered highly visionary is now within reach. In future, AR glasses might, for instance, substitute user interface displays and keyboards on machines and systems or revolutionize repair processes at workshops.

Press Image: #1830365, #1830604

Contact person for press inquiries:

Nico Krespach

Phone: +49 (721) 219942-2209

E-mail: nico.krespach@de.bosch.com

The Automotive Aftermarket division (AA) provides the aftermarket and repair shops worldwide with a complete range of diagnostic and repair shop equipment and a wide range of spare parts – from new and exchange parts to repair solutions – for passenger cars and commercial vehicles. Its product portfolio includes products made as Bosch original equipment, as well as aftermarket products and services developed and manufactured in-house. About 17,000 associates in more than 150 countries, as well as a global logistics network, ensure that some 650,000 different spare parts reach customers quickly and on time. In its “Automotive Service Solutions” operations, AA supplies testing and repair-shop technology, diagnostic software, service training, and information services. In addition, the division is responsible for the “Bosch Service” repair-shop franchise, one of the world’s largest independent chains of repair-shops, with some 16,000 workshops, and more than 1,000 “AutoCrew” partners.

Additional information can be accessed at www.bosch-automotive-aftermarket.com

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