

Information from SensoPart Industriesensorik GmbH, Gottenheim near Freiburg/Breisgau, Germany

One with the robot. Easy. Quick. Flexible. VISOR®.

Gottenheim, February 2023 – Set up robotic applications even faster and easier with the new VISOR® Robotic URCap.



Industrial automation is no longer imaginable without robots: Especially collaborative robotic systems (cobots) that are able to work hand-in-hand with human colleagues have become widespread in recent years. Our vision sensor VISOR® Robotic acts as the “eye” of the robot and is active worldwide in applications of vision-guided robotics.

An eye on everything – the vision sensor for Robot guidance

The VISOR® Robotic is part of the extensive VISOR® vision sensor family. With its five fast and robust detection methods for locating components, it represents the perfect solution for a wide variety of automation tasks. With the integrated Target Mark 3D technology, 3D object poses are determined in the shortest possible time. Thanks to the fully automatic and flexible calibration methods, both stationary and mounting on the robot arm are possible.

In addition to its robotics functions, VISOR® Robotic offers all inspection, measurement, and identification functions of the VISOR® framework.

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Packed in a robust, compact housing, the vision sensor can capture images up to 5 megapixels. The evaluation of the results takes place directly in the camera, an additional PC is not required. With this range of functions and ease of use, VISOR® Robotic is the market leader for 2D vision applications.

For a seamless connection of vision sensor and robot.

The VISOR® Robotic URCap enables direct data exchange between VISOR® Robotic and the UR robotic systems. It guides through all the steps necessary to set up vision-guided robotics applications and provides prepared program routines for pick-and-place tasks. This allows a very quick start into the application and at the same time offers highest flexibility. With the various QR codes, which refer to tutorial videos for each step, a set-up can be done in less than 15 minutes - even without camera or robot expert knowledge.

The URCap software package is available for users to download free of charge and is compatible with Universal Robots E-Series robotic systems. In addition, SensoPart will offer VISOR® robotic starter kits with a vision sensor, suitable bracket, and calibration plates.

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About SensoPart Industriesensorik GmbH

SensoPart develops, produces, and sells a wide range of innovative sensors for factory automation. The focus is on optoelectronic sensors and camera-based vision sensors that are used in industrial applications - e.g. for detecting objects or colors, for distance measurement, for code reading or in robotics. The products are developed and manufactured "Made in Germany" at the Gottenheim near Freiburg and Wieden sites in the southern Black Forest. With its four subsidiaries and its network of over 40 international sales partners, SensoPart is represented worldwide. Since it was founded in 1994, the family business has stood for medium-sized flexibility as well as for innovative and efficient products. SensoPart has repeatedly received awards for this, for example first place in the Automation Award and several times the German Sensor Application Prize.

You can find more information about SensoPart at <http://www.sensopart.com>.