VISOR® Robotic and URCap

For a seamless connection between Vision sensor and robot.

Easy setup of robotics applications using the operating panel

Tasks in the automation sector are becoming increasingly complex, and expectations of robots are also steadily climbing. SensoPart is therefore expanding its VISOR® series of Vision sensors to include a robotics specialist. Thanks to a URCap software package, the new VISOR® Robotic can communicate directly with Universal Robot systems. This ensures particularly fast and easy configuration of automation tasks.
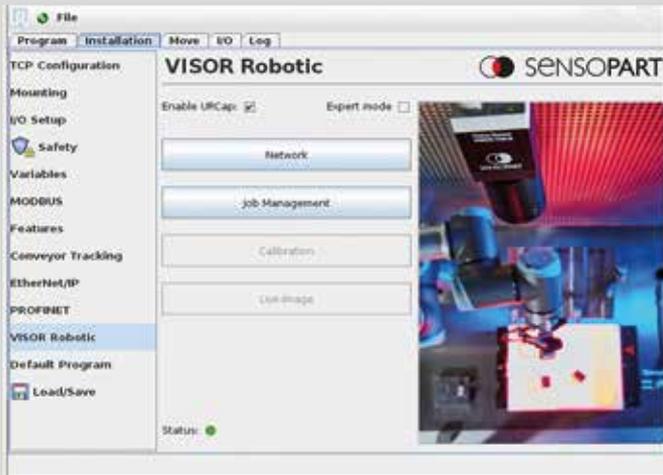

Speak the same language as robots - thanks to URCap.

In addition to the high-performance hardware of VISOR® Robotic, specially developed URCaps facilitate communication between the Vision sensor and the robot.

These software packages from the UR+ programme are tested and approved by Universal Robots and enable direct data exchange with UR robotics systems. The URCaps handle all the setup steps to ensure communication between the Vision sensor and the robot, and provide prepared programme routines for calibration and pick-and-place tasks.
This makes it possible to quickly get started, and guarantees utmost flexibility. And you can concentrate solely on your application!
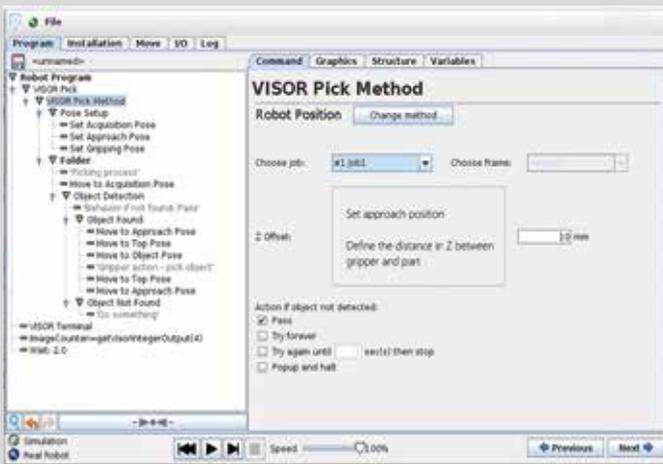
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Setup

Very easy to install and set up using the operating panel: from automatic network search by the VISOR® Vision sensor for connection configuration to the display of a live image with annotations. The URCap can additionally easily read the VISOR®'s job list, select the active job, copy the chosen calibration settings and effortlessly import them into other jobs.

Calibration

URCap offers two calibration methods.

- Calibration plate: simple, fast and precise calibration
- Point-pair list: considerable flexibility in the choice of calibration object and field of view

Predefined programmes are available for both methods. This enables the automation and cyclical validation of calibration.

Application

Pre-prepared procedures are also available when creating applications; complex programming is no longer necessary. To guarantee essential flexibility, the user has full access to all values in variables. Picking up objects could not be easier.

SensoPart's VISOR® Robotic with URCap is a powerful yet easy-to-use tool, whose outstanding flexibility pushes application boundaries.

URCap – Product Overview		
Order reference	Article number	Description
VISOR® Robotic UR-Starter kit V10	933-01003	Starter kit consisting of **VISOR® V10 Robotic**, integrated optics and lighting (red), connection cable, mounting bracket and calibration plate
VISOR® Robotic UR-Starter kit V20	933-01004	Starter kit consisting of **VISOR® V20 Robotic**, integrated optics and lighting (red), connection cable, mounting bracket, mounting clamp, polarising filter and calibration plate
VISOR® Robotic UR-Starter kit V20 C-mount	933-01005	Starter kit consisting of **VISOR® V20 Robotic C-mount**, external lighting (red), mounting bracket, mounting clamp, 2 x C-mount lens (f= 8mm, f=25 mm), protective housing and calibration plate

* Please check whether your current version of URCap supports this function