VISOR® Robotic with KUKA App

Seamless communication between VISOR® and KUKA KRC4 controller

User-friendly set-up of robotics applications using the KUKA smartPAD

As applications in the automation sector increase in complexity, the tasks facing operators are becoming more and more challenging. Thanks to the **VISOR® Robotic KUKA App**, communication between the VISOR® and robot can be set up in just a few simple steps, making configuration of automation tasks particularly quick and easy.

A direct connection between VISOR® and KUKA robots.

Designed with a high-performance hardware, VISOR® Robotic also comes with a specially developed KUKA App for simple use.

The app – developed for usage with KRC4 controllers – allows direct data exchange between VISOR® Robotic and the KUKA robot. No additional KUKA packages are required.
Thanks to a series of basic commands, you can supply object coordinates straight to the KRL programme. And this is done directly on the KUKA smartPAD.

In addition to process data, the app shows live images and enables the creation and management of backups.
Image processing with VISOR® Robotic is carried out as usual in the VISOR® PC software.

Technology is advancing – so why not use VISOR® Robotic as a simple, effective solution for your vision-guided robotics applications.

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Overview of functions

Live image:

- The live image keeps everything under control: Provide the user with a live image of the application. In most cases, it is possible to analyse the process and make a diagnosis without an additional PC. Focus your VISOR® and adjust the brightness in set-up mode.

Calibration:

- You can teach the necessary coordinates in a step-by-step process so that you quickly reach your goal.
  A selection menu offers easy access to coordinate systems and tools. Create calibration procedures and install them directly on your VISOR®. These can then be transferred to other jobs and devices

Device management:

- You can connect up to eight vision sensors simultaneously with the VISOR® Robotic KUKA App. Backups of your devices can also be easily created - just in case - and quickly reimported in the worst-case scenario.

  Job management provides an overview of your system and enables a simple changeover between jobs.

KRL instructions:

- **VISOR® GetObjectPosition**: Supplies the coordinates of your objects directly to your KRL programme. Thanks to predefined data output, this is carried out without converting results or creating variables. The focus is exclusively on your application.

- **VISOR® Calibrate:** Use calibration procedures and carry out validations at suitable points in the process. This guarantees maximum availability and reliability within your process.

- **VISOR® Terminal:** If the available functions are not comprehensive enough, access the VISOR® Terminal. It allows you to make use of all of the available VISOR® telegrams so that you can adjust your programme to specific requirements.