

Roboception Launches rc_visard NG

Next-generation robot vision platform offers increased computing power and on-board UserSpace for more flexibility in robotic automation.



Munich, Germany, November 3rd, 2023. Roboception GmbH, a leading provider of innovative robot vision solutions, has announced the launch of its latest AI-driven robot vision platform, the rc_visard NG. Powered by today's most advanced embedded AI solution, the NVIDIA® Jetson Orin™ series, this next-generation version of the rc_visard smart 3D stereo sensor features an increased computing power to support an easy integration of proven software products with proprietary add-ons, all on-board the sensor.

With this flexible vision platform, the Munich-based company opens a new chapter for the use of vision systems in automation: The smart 3D vision platform provides integrators and end users in the robotics industry with a powerful, yet adaptable and user-friendly approach to

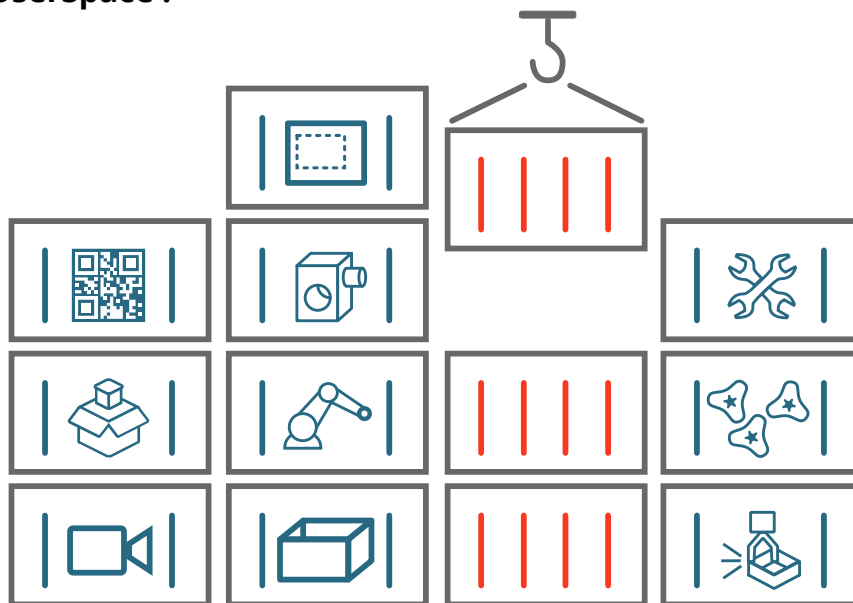
implementing vision-based automation scenarios.

„The rc_visard NG is a logical next step in the pursuit of our mission to provide ‚Eyes and Brains for Your Robot‘“, says Dr. Michael Suppa, co-founder and CEO of Roboception. “With the NG and its embedded computing capabilities, our customers will be able to take robot vision to a whole new level by leveraging the seamless integration of the hardware and all necessary software elements. We will expand our partner network to provide our customers with vision solutions for machine tending, depalletizing and quality control based on this-high end software platform, all of which are easy to use, robot and gripper agnostic, excellent in performance, and in line with our value proposition.”

Past image processing systems were typically designed as closed systems in which customer-specific extensions could only be implemented with considerable effort, if at all. By introducing the ‚UserSpace‘ function on the rc_cube IPC in 2021, Roboception created a straightforward solution for integrating individual software components on the same hardware via Docker containers for the first time. This opening up of the system made it possible to combine product-specific image processing applications with project-specific content without the need for additional hardware.

In order to further increase the efficiency and flexibility of robots, Roboception’s robot vision experts worked towards an integrated platform concept with significantly increased embedded computing power and the implementation of the ‚UserSpace‘ directly on the sensor. The outstanding ease of use allows the user to give their robot maximum flexibility. The rc_visard NG platform is hence ideally suited for complex and/or small-scale vision tasks and opens up a wide range of applications in both classic automation and new fields.

Roboception’s UserSpace :



Roboception GmbH

Roboception is a leading provider of intelligent robot vision platforms and systems. The Munich-based company enables robots to see and think, thus providing key elements for flexible automation solutions in Industry 4.0. Roboception supports integrators and end users in creating innovative automation solutions for the future-oriented use of robots in production and logistics.

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