

THE SCAVA PROJECT OF DATALOGIC AND CRIT IS IN ITS FINAL STAGES - DATALOGIC

Bologna, September 20th, 2021. Datalogic, a global leader in the automatic data capture and factory automation markets, is pleased to announce that the SCaVa project (which stands for Stereo Camera Validation), carried out in collaboration with CRIT, is reaching its final phase.

It is part of the COVR project, funded by the Horizon 2020 program. COVR deals with the safety of collaborative robots (cobots) and aims to develop testing tools and methodologies.

The purpose of the SCaVa project is to propose a validation method for Video-Based Protective Devices with Stereo Technologies (VBPDST) in accordance with the relevant safety standards IEC 61496-1 and IEC/TS 61496-4-3. The validation of such protective devices is intended for their application in safe human-robot collaboration.

Datalogic is exploring the subject to create a new validation protocol for testing internally developed safety stereo-cameras. CRIT is leading the communication and dissemination of the project activities.

The results achieved so far, include the formalization of a test setup for evaluating the performance of two camera models: one with body detection capability and one with arm detection capability. The analysis of the collected data allowed an effective camera characterization performed in a controlled environment. Moreover, Datalogic provided an overview from a protective device manufacturer's perspective of the gaps identified in current standards and commercial robotic products.

By the end of September 2021, the project activities will be completed along with the protocol for validating a vision-based protective device with arm and body detection capabilities, in accordance with the IEC 61496 standard.

[For further information on the SCaVa Project and its results, as well as the COVR Project, a workshop will be held on September 30th. To learn more, click here.](#)