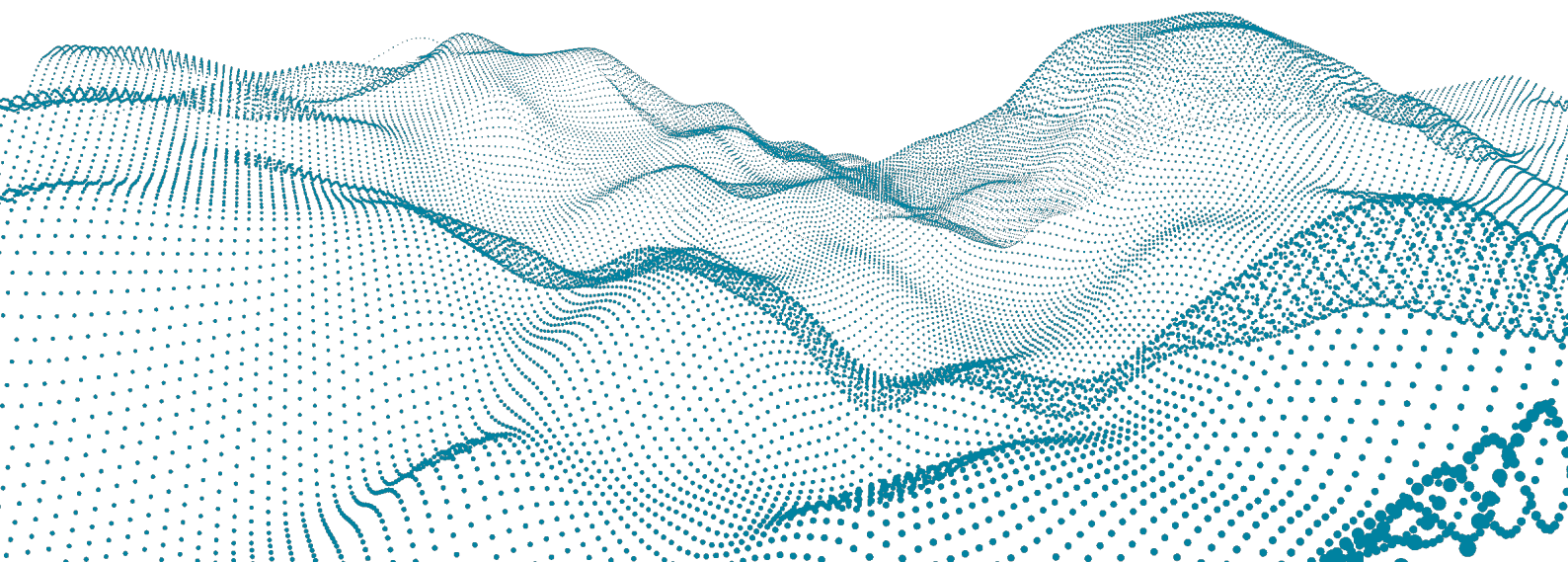




Roboception GmbH | December 2025

URCap rc_visard and rc_cube

SOFTWARE CHANGELOG



V3.1.0 (2025-12-02)

- Add ItemPickAI support
- Add expert function to ItemPickAI to receive bounding box of detected items
- Add BoxPick+Match support

V3.0.6 (2024-11-27)

- Bugfix: Adjust arguments for rc_trigger_measure_depth expert function

V3.0.5 (2024-10-15)

- Add nodes for remaining grasps/tags

V3.0.4 (2024-10-15)

- URCap version updated

V3.0.3 (2024-10-15)

- Bugfix: ItemPick TryOut does not show image

V3.0.2 (2024-07-23)

- Add expert function rc_trigger_measure_depth

V3.0.1 (2024-01-30)

- Update license information

V3.0.0 (2024-01-30)

- Return tag id in AprilTag node
- Add expert function to trigger template warmup service

v2.2.3 (2022-07-26)

- Add additional expert functions for SilhouetteMatch and CADMatch
- Remove obsolete expert functions (save_parameters)

v2.2.2 (2022-07-20)

- Add pose prior functionality to CADMatch module
- Bugfix in expert function

v2.2.1 (2022-02-14)

IMPORTANT: This new release of the URCap requires to update the rc_visard/rc_cube firmware to v22.01 or higher. Older firmware versions will not work.

- Improve layout in the installation node

v2.2.0 (2022-02-01)

IMPORTANT: This new release of the URCap requires to update the rc_visard/rc_cube firmware to v22.01 or higher. Older firmware versions will not work.

- URCap now uses API v2 of rc_visard/rc_cube firmware
- Add support for multiple pipelines
- Minor text and layout improvements

v2.1.7 (2021-04-20)

- Use 8 poses for Hand-Eye calibration
- Improve output of Hand-Eye calibration node
- Add item maximum size to ItemPick
- Add German translation

v2.1.6 (2021-03-17)

- Fix grasp return order in BoxPick

v2.1.5 (2020-12-21)

- Adapt to new Hand-Eye calibration interface (use error in meters if available)
- Fix names of expert functions

v2.1.4 (2020-11-30)

- Fix SilhouetteMatch visualization for v20.11 and higher

v2.1.3 (2020-10-26)

- Improve return info for TryOut with returned grasps
- Fix in SilhouetteMatch with no load carrier

v2.1.2 (2020-11-16)

- Allow CollisionCheck without load carrier in SilhouetteMatch
- Make whole area of template ID focusable
- Fix in setting of Preferred Orientation

v2.1.1 (2020-10-26)

- Increase timeout in BoxPick and ItemPick to 15 seconds
- Increase timeout in TagDetect modules to 10 seconds

v2.1.0 (2020-10-12)

- New feature: CADMatch
- Add LoadCarrier, CollisionCheck and Preferred Orientation support to SilhouetteMatch

v2.0.2 (2020-07-29)

- Allow to get region of interest in camera frame

v2.0.1 (2020-05-16)

- Fix enabling installation of Schmalz 3D-R and Roboception URCaps at the same time

v2.0.0 (2020-05-01)

- Add CollisionCheck support to BoxPick and ItemPick
- Add new orientation to get_grasp dropdowns for all modules

v1.4.0 (2020-04-21)

- New feature: TagDetect
- Add CollisionCheck functionality to BoxPick and ItemPick
- Add more info boxes
- Fix for back-compatibility
- (Schmalz) Add new installation menu
- (Schmalz) Add new program node

v1.3.2 (2019-10-07)

- Improve return status from BoxPick
- Add pop-up if get/set/reset/parameter returns false
- Remove start SilhouetteMatch
- Rename offset to Distance in SilhouetteMatch calibration
- Change grid size to fit the calibration grid size and not physical grid size

v1.3.1 (2019-09-19)

- Fix with wrong display of dropbox for the approach angle

v1.3.0 (2019-09-04)

- Prefix all functions with 'rc'
- UI improvements

- Add checkbox for termination if pose not found
- Allow to define pose_frame in all detection functions
- Move here button added to hand eye calibration set pose node

v1.2.0 (2019-08-14)

- New feature: BoxPick
- New feature: SilhouetteMatch
- Remove ItemPick program
- Major UI improvements in positioning of fields

v1.1.0 (2019-06-26)

- New feature: Generic node
- Add support for robot mounted sensors in Hand-Eye calibration
- Clear IP address in installation node
- Minor bugfixes and UI improvements

v1.0.0 (2019-04-24)

- New feature: Hand-Eye Calibration node
- New feature: ItemPick node
- New feature: rc_visard installation node

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URCap rc_visard and rc_cube

SOFTWARE CHANGELOG

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<https://doc.rc-cube.com>

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