

roboception

Roboception GmbH | April 2024

rc_visard_ng 3D Stereo Sensor

FIRMWARE CHANGELOG



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1 24.04.0 (2024-04-23)

1.1 New Features

- Camera (rc_camera):
 - Support for triggering camera (software or hardware) via new parameters:
 - * acquisition_mode
 - * trigger_source
 - * trigger_activation
- WebGUI:
 - New collision check visualization: Show contact point and provide collision category (in collision with LoadCarrier, Matches or PointCloud, etc.) in 3D visualisation for all rc_reason modules.

1.2 Improvements and Fixes

- TagDetect (rc_april_tag_detect, rc_qr_code_detect):
 - Allow setting size also when no ID or only family is given and allow size filtering also in these cases.
- LoadCarrier (rc_load_carrier):
 - Improve detection for some corner cases.
 - Add detection timeout of 25s
- BoxPick+Match (rc_boxpick):
 - Allow grasps only on unoccluded item surface.
- WebGUI:
 - SilhouetteMatch: Draw unchecked grasps in yellow color.
 - Gripper: keep global element and TCP pose when changing the parent

2 24.01.1 (2024-03-11)

2.1 Improvements and Fixes

- Ensure gRPC server can always start by adding port to reserved ports.
- Don't scale down visualization images.
- Hand-Eye Calibration (rc_hand_eye_calibration):
 - Forcing detection of whole grid again as partial detection could result in degraded calibration in some corner cases. Instead exclude overexposed grid points from calculation.
 - Excluding grids if more than 16 calibration points (i.e. 4 squares) are over-exposed.
- EKI Bridge (rceki_bridge):
 - Log received and sent messages with info level so they show up in WebGUI log for ease of KRL program debugging.
- REST-API:
 - Prevent manually setting time to a date before firmware build time.
- WebGUI:
 - Minor improvements.

3 24.01.0 (2024-01-29)

first public release

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