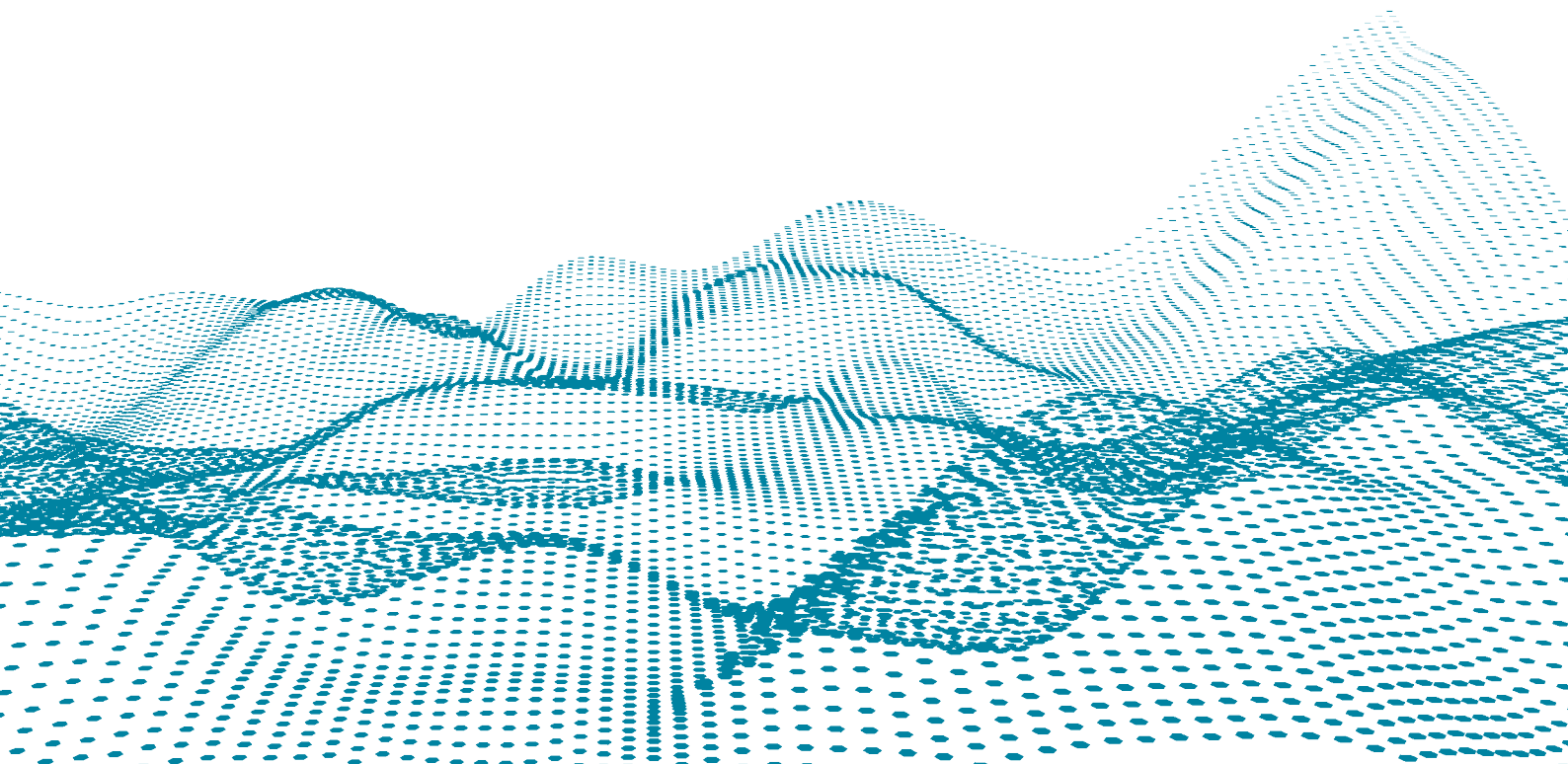


Changelog for Roboception rc_cube firmware

Roboception GmbH

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1 20.11.0 (2020-11-23)

1.1 New Features

- SilhouetteMatch (`rc_silhouettematch`):
 - Add collision detection with base plane
- StereoMatching (`rc_stereomatching`):
 - New `double_shot` mode: Combine images from two subsequent stereo image pairs. This is meant for the use with a random-dot projector in `ExposureAlternateActive` or `SingleFrameOut1` acquisition mode.
- Camera (`rc_stereocamera`):
 - New `Out1High` auto exposure mode: Adapt exposure time using only images with GPIO Out1 high. This is meant for the use with a random-dot projector in `SingleFrameOut1` acquisition mode.
- WebGUI:
 - Japanese translation
 - Add snapshot download on depth image page (with disparity and pointcloud as ply)
 - Optionally show image that is actually used by stereo matching on depth image page
 - Download try-out requests as JSON

1.2 Improvements and Fixes

- BoxPick (`rc_boxpick`):
 - Fix missing detections in packed scenes
 - Also draw detected box in grasp visualization
- SilhouetteMatch (`rc_silhouettematch`):
 - Improve refinement
- Hand-Eye calibration (`rc_hand_eye_calibration`):
 - Service `get_calibration` strictly returns only saved result. Before it returned values of calibrate call, even if `save_calibration` was not called
 - Service `set_calibration` implicitly calls `save_calibration`
 - Extended collinearity check to ensure that positions are at least 3 mm apart from each other
- CADMatch (`rc_cadmatch`):
 - Updated grasp sorting to also consider the matching score of the object the grasp is located on

1.3 Other Changes

- GigE Vision/GenICam:
 - add `DepthDoubleShot` feature
 - add `Out1High` to `ExposureAuto` enum
 - rename `RcAdaptiveOut1Reduction` to `RcOut1Reduction`

2 20.10.0 (2020-10-13)

First release