

# roboception

Roboception GmbH | July 2022

## SGM<sup>®</sup> Producer

### CHANGELOG



## Contents

<b>1</b>	<b>22.07.1 (2022-07-21)</b>	<b>2</b>
1.1	Improvements and Fixes . . . . .	2
<b>2</b>	<b>22.07.0 (2022-07-15)</b>	<b>2</b>
2.1	Improvements and Fixes . . . . .	2
<b>3</b>	<b>22.04.2 (2022-05-30)</b>	<b>2</b>
3.1	Improvements and Fixes . . . . .	2
<b>4</b>	<b>22.04.1 (2022-05-11)</b>	<b>2</b>
4.1	Improvements and Fixes . . . . .	2
<b>5</b>	<b>22.04.0 (2022-04-26)</b>	<b>2</b>
5.1	New Features . . . . .	2
5.2	Improvements and Fixes . . . . .	2
<b>6</b>	<b>22.01.0 (2022-01-18)</b>	<b>2</b>
6.1	New Features . . . . .	2
6.2	Improvements and Fixes . . . . .	3
<b>7</b>	<b>21.10.0 (2021-10-23)</b>	<b>3</b>
7.1	New Features . . . . .	3
7.2	Improvements and Fixes . . . . .	3
<b>8</b>	<b>21.07.0 (2021-07-16)</b>	<b>3</b>

## 1 22.07.1 (2022-07-21)

### 1.1 Improvements and Fixes

- Increased limit for maximum exposure time from 20 ms to 30 ms in Out1High and AdaptiveOut1 auto exposure mode

## 2 22.07.0 (2022-07-15)

### 2.1 Improvements and Fixes

- Implemented gamma parameter for rc\_visard (if rc\_visard firmware version  $\geq$  22.07.0)

## 3 22.04.2 (2022-05-30)

### 3.1 Improvements and Fixes

- Fixed finding libraries under Windows
- Added version for ARM64

## 4 22.04.1 (2022-05-11)

### 4.1 Improvements and Fixes

- Set Gamma to 1 in rc\_calib program as calibration grid detection relies on linear mapping.

## 5 22.04.0 (2022-04-26)

### 5.1 New Features

- New tool for checking connection and configuration of rc\_viscore sensor (rc\_check)
- rc\_visard and rc\_viscore sensors serve as dongle, i.e. USB dongle not needed any more
- Added parameter Gamma for controlling gamma factor for rc\_viscore sensors and using default of 0.5

### 5.2 Improvements and Fixes

- Make package installation relocatable by specifying the transport layer paths at runtime
- Fixed bug with changing calibration states, limited size of annotated calibration image and limited auto exposure time
- Showing min/max error during verification of calibration in rc\_calib
- Fixed switching of calibration and monocalibration radio buttons
- Fixed possibility to change Gain during auto exposure
- Fixed TL type for rc\_viscore

## 6 22.01.0 (2022-01-18)

### 6.1 New Features

- Support for new rc\_viscore sensor

- Calibration program (`rc_calib`) for `rc_viscore` sensor

## 6.2 Improvements and Fixes

- Use `AcquisitionAlternateFilter` only if `ExposureAlternateActive` is set for `out1`
- Limiting maximum exposure time to 20 ms in `Out1High` and `AdaptiveOut1` mode
- Changed way of limiting memory for stereo matching
- Explicitly testing `rc_visard` for `IOControl` license to improve error message in log file
- Fixed `auto_exposure_adapting` to report 0 if further adaptation is not possible

## 7 21.10.0 (2021-10-23)

### 7.1 New Features

- Added `GenICam` parameter `DepthExposureAdaptTimeout`

### 7.2 Improvements and Fixes

- Fixed internal single frame trigger timestamp
- Added some debug log output for single shot stereo
- Fixed always complaining about pending trigger
- Fixed crashing when connection to `rc_visard` is interrupted
- Fixed disabling of depth smoothing
- Removing prefix `rc_` from IDs and combining internal interfaces of same type

## 8 21.07.0 (2021-07-16)

- First stable version of producer for `rc_visard`

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**GitHub:**

<https://github.com/roboception>

**Documentation:**

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

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

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

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

**Shop:**

<https://roboception.com/shop>

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