

EPSON RC+ 7.4.0 Release Notes

June 11, 2018

Thank you for using EPSON RC+ 7.4.0. This document contains the latest information for this release. Please read before using this software.

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Documentation

All RC+ manuals are in PDF format and are installed on the PC hard disk. These manuals are accessible from the EPSON RC+ 7.0 environment Help menu.

Getting Started

Read the Getting Started chapter in the EPSON RC+ 7.0 User's Guide. This chapter will refer you to the RC700 Controller manual Installation chapter. This contains information for initial connections and start up.

What's New in version 7.4.0

1. Added new Force Guide feature.
2. Added new vision tools: Contour, Corner Finder, Box Finder, Text.
3. Added several new properties for existing Vision Guide tools: AngleBase, AngleMode, AngleObjResult, AutoRefInitRotation, AutoRefFinalRotation, AutoRefTolerance, Directed, FindChar, LJMMode, LuminanceCorrection, MaxMoveDist, Sequences.
4. Added optional robot speed and acceleration parameters for VDefArm, VDefLocal, VDefTool, and VGoCenter commands.
5. The Vision Guide ImageOp tool can now have a rotated window.
6. Added support for rectangular type DataMatrix with Vision Guide CodeReader tool.
7. Now the OCR tool can find the position of each character.
8. Added support for acA1300-60gm and acA2500-20gm/gc GigE cameras. CV firmware 3.1.0.0 or greater is required when using Compact Vision..
9. Added support for Euromap 67 I/O.

What's Fixed in version 7.4.0

1. Fixed a problem where ImageSize was not set in CV after creating a new project.
2. Fixed object copy for Edge object. Sometimes the position after copy was not correct.
3. Fixed a problem where position was changed for objects using a frame after another object was deleted or sequence step order was changed.
4. Fixed a problem where Edge with SearchType = Arc was not rotated in the frame.
5. Fixed VLoad for CV. If a PC was connected at runtime, VLoad was not being executed in the CV.
6. Fixed a problem where an exception occurred if the Vision Guide window was closed during the calibration cycle.
7. Fixed a problem for vision calibration when AutoCamPoints is used. The error message was not correct if the points generated were out of robot motion range.
8. Fixed upward camera calibration. Sometimes upward camera calibration with RobotLocal was not working correctly.
9. Changed PROFINET EDS file. DAP Ver.1 or DAP Ver.2 can now be determined on the master side.

Vision Guide

Camera & Lens Selection Tool

A camera and lens selection tool is provided in the EpsonRC70\Tools folder after installation. A PDF file with instructions is provided in the folder.

Parameter Tuning Tool

A sample project for a vision parameter tuning tool is provided in EpsonRC70\Projects\Samples\Vision\VGTuningTool. A PDF file with instructions is provided in the folder. The GUI Builder option is required to use this tool.