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# EPSON RC+ 7.3.3 Release Notes

October 20, 2017

Thank you for using EPSON RC+ 7.3.3. This document contains the latest information for this release. Please read before using this software.

<b>DOCUMENTATION.....</b>	<b>2</b>
<b>GETTING STARTED .....</b>	<b>2</b>
<b>WHAT'S NEW IN VERSION 7.3.3 .....</b>	<b>2</b>
<b>WHAT'S FIXED IN VERSION 7.3.3 .....</b>	<b>2</b>

## 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 7.3.3

### Vision Guide

1. Added DictionaryMode property for vision OCR tool.
2. Added DistCorrectType property for vision calibration.

### Simulator

3. Added ability to render ECP coordinate system.
4. Added ability to render coordinate system of simple objects and CAD ones.
5. Added ability to move simple objects and CAD ones as the grasped part or mounted device.
6. Improved robot joint rendering. Rendering joint name and rotation direction are now possible.
7. Added CAD to Point for ECP function. Exporting ECP point data from any edges on the CAD object is now available.
8. Added ability to change the size of vertex and arrow for CAD to Point and CAD to Point for ECP.
9. Added ability to change point size and render point number.
10. Added ability to render virtual cameras as mobile or fixed ones.
11. Added ability to render virtual field of view (camera view).
12. Added ability to render force sensor.
13. Added ability to set Hand object on Tool coordinate system.

## What's Fixed in version 7.3.3

### Vision Guide

1. Fixed a problem for vision calibration of J4 and J6 mobile cameras when AutoReference is true. The generated reference point was not correct.
2. Fixed a problem for Code Reader DataMatrixPolarity property. The value was not being restored after the project was re-opened.
3. Fixed a problem for Code Reader Orientation property. The value was not being restored after the project was re-opened.
4. Fixed a problem for ImageOp RotationDirection property. The value was not being restored after the project was re-opened.
5. Fixed a problem for the SPELVidoe control in RCAPINet.dll. The size of the control was being limited to 640 x 480.
6. Fixed a problem for VCalPoints. Live video was not being displayed.

**Simulator**

7. Added ability to disable the simulator by registry.
8. Fixed a problem for rendering Singularity Area of Elbow for N2 robot.
9. Ctrl+C(Copy), Ctrl+X(Cut), and Ctrl+V(Paste) were operated on RC+ macro setting dialog.
10. Fixed a problem that vertex coincidence judgment sometimes was not correct for CAD to Point and CAD to Point for ECP.
11. Fixed a problem that value of V and W were inserted into point file for not only 6 axis robot but also scara one for CAD to Point and CAD to Point for ECP.