

EPSON Compact Vision 2.3.3.4 Release Notes

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Thank you for using the EPSON Compact Vision system. This document contains the latest information for this firmware release. Please read before using this software.

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Changes for version 2.3.3.4

1. Fixed a problem for when if RuntimeAcquire = None and AsyncMode = True, the sequence processing time was longer than it should be.

Changes for version 2.3.3.3

1. Support hardware revisions.

Changes for version 2.3.3.2

1. Fixed a problem for ImageOp. Sometimes when a sequence was drawn for the first time on the CV monitor or for VSaveImage with graphics, the CV unit was no longer functional.

Changes for version 2.3.3.1

1. Fixed a problem for Timeout property for Geometric and Correlation tools. The tools were not timing out during initial rough search.
2. Fixed problems for Geometric graphics on the CV monitor when the ModelWinType is Circle or RotatedRectangle.

Changes for version 2.3.3.0

1. Added support for Compact Vision model CV2-L.
2. Added support for acA1300-60gm camera.

Changes for version 2.3.2.7

1. Fixed a problem where if an invalid firmware was attempted to be installed, then the unit was no longer functional.

Changes for version 2.3.2.6

1. Added support for Type property. This is a read-only property that returns the type of a vision object as an integer value.

Changes for version 2.3.2.5

1. Fixed a problem where a "project does not exist" error sometimes occurred when multiple cameras are used in the same CV.
2. Added support for using PC image files for VSet ImageFile. RC+ 7.3.1 or later must be used.

Changes for version 2.3.2.4

1. Fixed a problem where if multiple sequences are using the same camera, and one sequence is using strobed acquisition, sometimes the strobed acquisition is aborted when Call is used in the SPEL program.
2. Fixed a problem where sometimes Blob results are not consistent.

3. Fixed an exception for ImageOp if Operation is ColorFilter and no models are taught.

Changes for version 2.3.2.3

1. Fixed a problem where GigE channel 1 could become inoperative when using firmware 2.3.2.2 and the CV2 IP address was changed.
2. Moved the Configure button on the CV Monitor main screen to the left side.
3. Fixed a problem where sometimes GigE cameras can no longer grab images when the same CV is connected from different PCs or when the time and date in the PC is changed between connections with the CV.

Changes for version 2.3.2.2

1. Fixed a problem where Code Reader could not read Data Matrix with C40 encoding correctly.
2. Fixed a problem where sometimes a GigE camera is not detected after startup.
3. Improved Correlation when AngleEnable is true.

Changes for version 2.3.2.1

1. Fixed a problem where the CV became unresponsive when large values are used for ImageOp ShiftX or ShiftY.

Changes for version 2.3.2.0

1. Added support for RC+ 7.2.0, including EdgeSort for objects using edges and ImageOp Shift operation.

Changes for version 2.3.1.3

1. Fixed a problem where sometimes an acquisition error occurred for certain camera models.
2. Fixed ImageOp ColorFilter.

Changes for version 2.3.1.2

1. Fixed a problem where Point with intersection did not work for multi-search.
2. Fixed a problem where the CV became unresponsive after creating a sequence with a name beginning with underscore.

Changes for version 2.3.1.1

1. Fixed a problem for calibration Distortion Correction where the corrected image was corrupted.

Changes for version 2.3.1.0

1. Fixed a problem where video display sometimes changed to black after all clients have disconnected and a project is specified for display.
2. Fixed a problem where the Line Finder and Line Inspector results were not drawn correctly when using multiple search.
3. Fixed a problem where the location of the Point object was not updated on the CV monitor when the Point was configured as the midpoint of a line.
4. Fixed a problem where the CV unit can sometimes become inoperative when ArcFinder, ArcInspector, LineFinder, or LineInspector are used, or when a RotatedRectangle window type is used, from the RC+ Vision Guide window.
5. Fixed a problem where if EndPointObject for a Line was set to an object (e.g. Blob), the line was not displayed correctly on the CV monitor.
6. Fixed a problem where Geometric edge pixels were not updated after adding don't care pixels where edge pixels were located.
7. Fixed a problem for Arc Finder, Arc Inspector, Edge with Arc search when they are rotated in a frame. Sometimes an invalid property value error occurred.
8. Fixed the Sequence AllPassed result. Previously, it always returned False.
9. Fixed a problem where the DataMatrixPolarity value was not loaded.
10. Fixed a problem where sometimes an incomplete calibration error can occur on the next VRun after VSave is executed.

Changes for version 2.3.0.1

1. Fixed Code Reader results display for CV monitor.
2. Fixed CodeReader when CodeType is set to EAN13 or EAN8. When CodeType was set to Auto, EAN13 and EAN8 codes could be found. But when CodeType was set to EAN13 or EAN8, the codes were not found.
3. Fixed problem for VSaveImage with graphics to USB key.
4. Fixed SubABS operation for ImageOp. The image subtraction was being performed only in the upper left corner of the image instead of the ImageOp window location.

Changes for version 2.3.0.0

1. Supports both the CV1 and CV2 Compact Vision systems.
2. Changed monitor GUI to support from one to six display areas. Please refer to the Vision Guide 7.0 manuals for details.

Connecting with Model CV2

The CV2 Compact Vision System supports connection with EPSON RC+ v7.1.1 or greater. Older EPSON RC+ products cannot connect with CV2 and will hang up or issue an error message if a connection is attempted. This includes EPSON RC+ 5.0 all versions, EPSON RC+ 6.0 all versions, and EPSON RC+ 7.0 v7.0.x and v7.1.0.