



Gocator Firmware 5.0 SR1 - Release Notes

Firmware Version 5.0.3.60

Document Revision A

This is a service release for the 5.0 firmware.

Compatibility

The Gocator 5.x web interface requires Chrome, Firefox or Edge. IE 11 is supported in a limited fashion (see known issues for details).

The 5.x releases are compatible with 4.x SDK.

Fixes

<i>Acquire Intensity with X angle or Z angle transformations</i>	A memory leak leading to a sensor crash could occur when Acquire Intensity is enabled and either X angle or Z angle is set in the Transformation section.
<i>Crash changing active area</i>	A sensor could crash when using the active area "Select," "Acquire," or "Cancel" functions in combination with Fixed Length scanning and a GDK based tool such as the Surface Edge tool.
<i>Profile Line tool overflow</i>	The Error Max measurement in the Profile Line tool could report Overflow when only a single data point is present within the measurement region.
<i>G3210 24V setting</i>	An error message "Unable to change voltage settings" could be displayed on G3210 sensors when attempting to switch between 48V and 24V settings.
<i>G3506 focus pattern</i>	The focus pattern could not be projected correctly under some circumstances.
<i>Active area selection</i>	In Surface mode on an aligned sensor, profile visualization could be incorrect after pressing "Acquire" when selecting the active area.
<i>Intensity with Z Angle</i>	The intensity image was incorreced when acquired with a Z angle set in a sensor's transformations.
<i>Plane feature rendering</i>	A Plane feature was rendered incorrectly when used as input into a tool such as the Feature Dimension tool.
<i>Incorrect grid</i>	The grid visualization could be incorrect for tools with Surface data output under some circumstances.
<i>Video mode on dual-sensor systems</i>	The video image for individual buddy sensors was incorrect when switching between different sensors.
<i>Points rendering</i>	Points visualization mode in 2D could result in very large points under some circumstances.

<i>Multiple exposures visualization</i>	When using multiple exposures on one sensor in a dual-sensor system, and visualizing using Multiple Exposure mode, the profile from one sensor was blank.
<i>Tool parameters not shown</i>	The tool parameters panel would not display for certain old jobs or recordings.
<i>Bar alignment</i>	Stationary bar alignment on dual-sensor systems could result in incorrect alignment if three sensors were previously buddied.
<i>G205 subsampling</i>	With subsampling enabled, some image distortion could be observed at specific X Start values.
<i>G250 frame sequence</i>	When using independent tracheid exposure, the frame sequence was PPT instead of PPPT.

Known Issues

<i>Internet Explorer</i>	Internet Explorer 9 and 10 are no longer supported. Several issues exist with Internet Explorer 11 when using large data sets due to browser memory limitations. Refer to the Gocator user manual for IE 11 specific instructions to work around some of the issues.
<i>Right-click menu</i>	The right click menu in the visualization has been removed. All functionality is accessible through the toolbar buttons.
<i>Region resize handles</i>	Regions do not feature resize handles on the sides of the region boxes. This will be added back in an upcoming release.
<i>X or Z angle in recordings</i>	G2 profile mode recordings with X or Z angle in the transformation of a sensor do not show profiles when stepping through the recording due to recording playback limitations.
<i>Translations incomplete</i>	Not all English text is translated in every translation.

SDK, GDK and Protocol Changes

Protocol Version 101.10

Protocol version is specified as [Major].[Minor]. Firmware releases with the same Protocol Major version are backward compatible and users do NOT need to recompile their applications unless features in the newer version are used.

Note that these are protocol and SDK changes between Release 4.7 SR1 and Release 5.0. Refer to the Gocator 4.x SDK migration guide for details on how to port your 3.x application to Gocator 4.x or 5.x firmware.

There are no SDK, GDK or Protocol changes in this release.

