



Gocator Firmware 4.0.9.156 Release Notes

Revision B

New Features:

<i>GUI and Workflow Redesign</i>	The user interface is redesigned to maximize screen space and simplifies navigation. The improved controls, layout and workflow align with common industry practices, reducing setup time and learning curve.
<i>Measurement Tools Grouping</i>	Measurements are logically grouped according to tool category. Adding/enabling measurements within an instantiated tool does not require extra CPU load; allowing applications to run faster or to use more measurements.
<i>Flexible Anchoring</i>	Measurement results can be used as anchoring sources, giving users extensive flexibility in setting up measurement tools to track part position and size variation.
<i>Surface Generation</i>	Gocator now directly supports generating 3D scans without using part detection logic. Applications requiring conveyer, robotic, and rotational scanning is now supported for different transport systems.
<i>Part Edge Filtering</i>	Built-in capability to remove noise around outside perimeter edges as well as interior edges (e.g. holes) of surfaces or parts, increasing accuracy and repeatability of 3D measurements.
<i>Compact Ethernet Protocol</i>	The new Gocator Ethernet (TCP/IP) protocol reduces overhead and makes data parsing much easier. This reduces network bandwidth and data processing requirements, allowing applications to run faster on the simple hardware.
<i>SDK Update</i>	The SDK is updated to provide a cleaner API with built-in support for multi-sensor systems. This simplifies programming and the learning curve in using the SDK to develop your own applications.

Compatibility

Gocator 4.x firmware can be used on any Gocator series *except for the Gocator 2000 series*.

Gocator 4.x firmware is NOT compatible with Gocator 3.x firmware. Users need to setup their configurations using the Gocator 4.x firmware. SDK users need to update their software to work with the Gocator 4.x SDK.

The Gocator 4.x Setup and SDK migration guides explain how to migrate from Gocator 3.x firmware to Gocator 4.x firmware. The migration guides can be downloaded from <http://www.lmi3d.com/resources/gocator/#how-to-guides>

Sensors upgraded to the Gocator 4.x firmware can downgrade back to Gocator 3.x firmware.

Users should back up their sensors before upgrading to Gocator 4.x

Gocator 4.x interface requires IE 9, Firefox or Chrome. Adobe Flash version 11 or above is also required.



Improvements:

<i>Event Logging</i>	Event logging is now visible from the status bar on all pages, making it easy to review the history of events and warnings.
<i>Job Management</i>	Configuration management is now referred to as Job management where the Job is the only file type the user needs to handle, simplifying setup and support communication.
<i>Dynamic Screen Scaling</i>	The web interface scales according to different screen sizes; maximizing the area that is used for setup and real-time data visualization.



Known Issues:

<i>SDK documentations search function</i>	SDK documentation search function may not work on some Chrome installations due to privacy settings.
<i>IE8 display incorrectly</i>	IE8 does not display some web interface controls properly. This will be addressed in future release. Users are recommended to use IE9 or later, or other web browsers.
<i>Linux and QNX support in SDK</i>	The SDK currently does not fully support Linux and QNX. This will be addressed in the next service release.
<i>Incomplete language translations</i>	The web interface is not translated in some previously supported languages (i.e. Japanese, Korean, Spanish and Portuguese)
<i>Labview sample code does not support reading stamp content</i>	Reading out stamp content is not implemented in the labview sample code. This will be addressed in the next service release.
<i>Modbus time and encoder register size are displayed incorrectly</i>	The Modbus register size for time and encoder are incorrectly displayed as 32-bit. The underlying data is 64-bit.



Protocol Changes:

The SDK API and the Gocator protocol are NOT compatible with Gocator 3.x firmware. Refer to the Gocator 4.x SDK migration guide for details on how to port your application to Gocator 4.x firmware.