



**Title**

**Interfacing a Gocator to Common Vision Blox**

**Purpose**

This document explains how to interface a Gocator sensor to Common Vision Blox (CVB)

**Equipment**

Gocator Firmware Release 3.2 or later

Common Vision Blox 2011 or later

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## 1 Overview

Common Vision Blox is an open architecture, hardware independent toolkit for 3D image processing. Gocator includes a GenTL driver that can be used to stream 3D point clouds and intensity data into CVB in real-time.

Refer to the GenTL chapter in the Gocator's User Manual on how to install and setup the Gocator GenTL driver. This document describes how to verify that CVB is properly connected to the Gocator.



## 2 Verifying the Connection Between the Gocator and CVB

Follow the steps below to setup CVB with Gocator for the first time:

1. Connect a Gocator to the PC running CVB.
2. Power up the Gocator and put the Gocator into Whole Part mode and enable the Ethernet output. Check Acquire Intensity if intensity data is required.

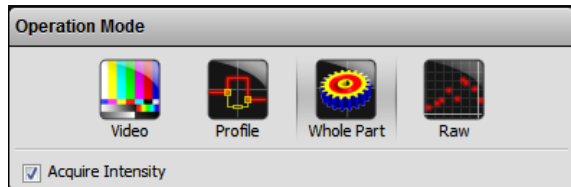


Figure 1. Enable Whole Part mode and intensity

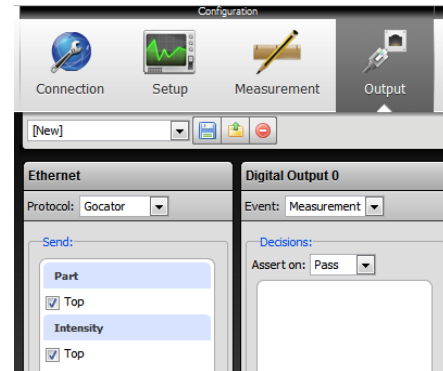
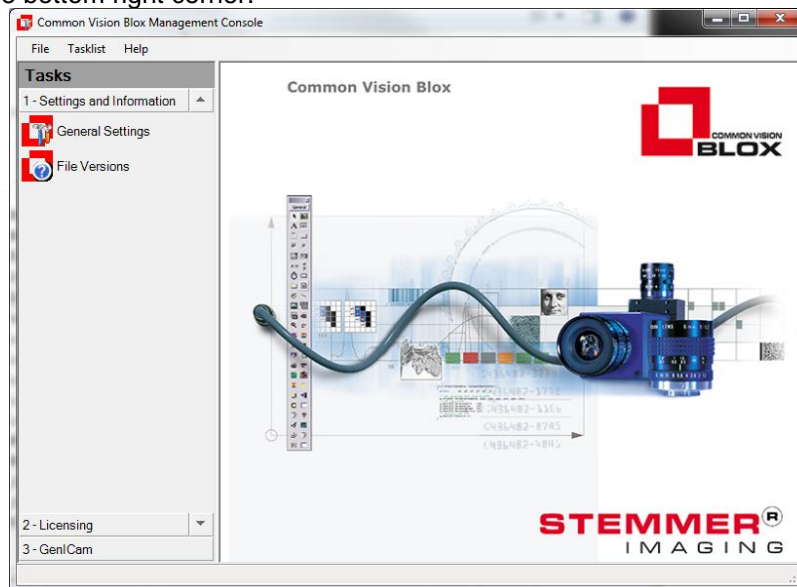


Figure 2. Enable Ethernet Output

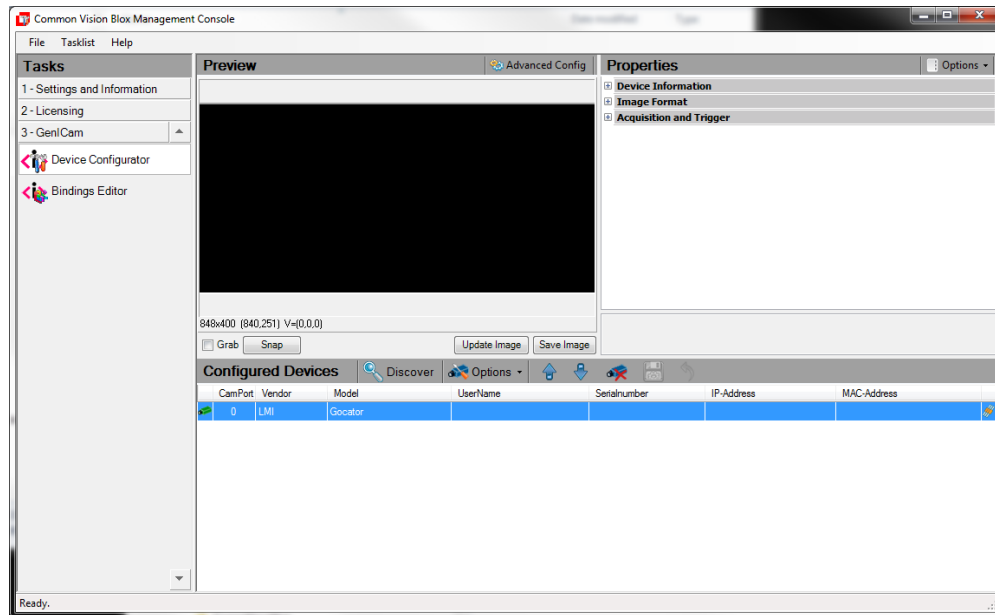
3. Start the CVB Management Console.
4. Click GenICam at the bottom right corner.





5. Select Device Configurator.

A detected Gocator will be listed in the Configured Device table. The Gocator must be running and connected to the PC for this step to be successful.



6. Press Snap and trigger the Gocator to output a part object.

The method to trigger the Gocator depends on the Gocator setup. The output will be displayed in the Preview Window.

