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3 List of tables and figures

hier komt een lijst van tabellen, figuren en afkortingen

4 Introduction

5 Description of the problem

Given is a basket with a standard rectangular shape with fixed dimensions. The objective is to count every object in this basket. If possible, the objects can be outlined by the system. An optional objective was to be able to measure the objects in the basket.

The system used should be based on colour and depth images. The objects won't have the same colour as the basket and/or have a noticeable depth. Otherwise the camera can't notice the objects. the project had to be made with a budget of €250.

6 Design

6.1 Hardware

6.2 Software

6.2.1 RGB sensor

6.2.2 Depth sensor

7 Budget management

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11 Appendix