Simple vision for microcontroller

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Abstract—**Using an microcontroller with interface to simple image sensor for simple visual processing algorithms or as simple interface RS232 sensor connection.**

REFERENCES

[1] Forsyth, Ponce, Computer Vision A Modern Approach, Prentice-Hall, 2003

[2] Andrew Reed Bacha, "Line Detection and Lane Following for an Autonomous Mobile Robot", May 12, 2005 Blacksburg, Virginia, Virginia Polytechnic Institute and State University

[3] Daniel Crispell, "Implementation of a Streaming Camera using an FPGA and CMOS Image Sensor", Brown University.

[4] http://en.wikipedia.org/wiki/Sobel_operator

[5] M64282FP Mitsubishi Integrated Circuit Datasheet

[6] Circuit Cellar Ink 151 February 2003