

# 1 Introduction

This sensor is a time-of-flight based distance sensor aimed at providing accurate distance measurements at a high sampling rate which can go up to 50Hz.

## 1.1 Features

- Fully open-source. Adapt it to your needs
- Input voltage from 3.0V to 5.5V
- Very-low power consumption
- Distance sensing from 0 to 200 cm
- I2C communication bus
- External interrupts functionality
- Calibration routines
- Programmable I2C address
- DIP switches for boot configuration

## 1.2 Typical application