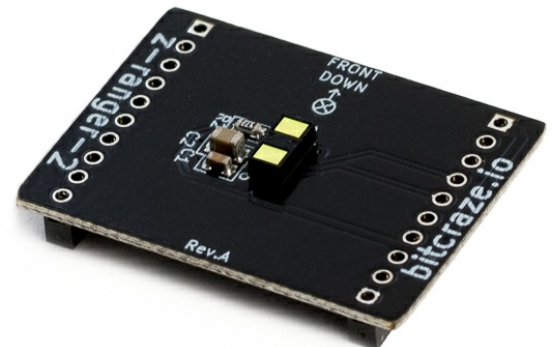




Z-ranger deck v2

SKU: 114991550

The Crazyflie™ Z-ranger deck v2 uses a laser sensor to measure the distance to the ground and adds the possibility to fly with precise height control.



1. Introduction

Using the ToF sensor VL53L1x the Crazyflie 2.X can measure the distance from the sensor to a ground object at up to 4 meters.

2. Features

- Fast, accurate distance ranging
- Measures absolute range up to 4 m
- Eye safe

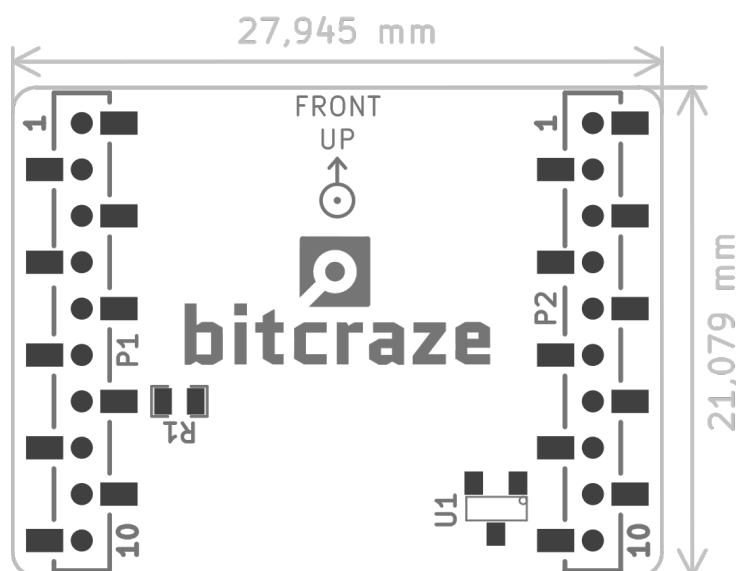
3. Electrical specification

- VL53L1x ToF sensor to measure distance up to 4 meters within a few millimeters (depending on surface and light conditions).
- 1-wire memory for automatic expansion deck detection

4. Mechanical specifications

- Weight: 1.6g
- Size (WxHxD): 21x28x4mm
- Designed for mounting under the Crazyflie 2.X

5. Mechanical drawing



6. Package contents

- 1 x Z-ranger deck v2

7. Errata

8. Hardware revisions

Revision	Comment
A	Initial release

9. History

Version	Comment	Date
1	Initial release	2020-04-01