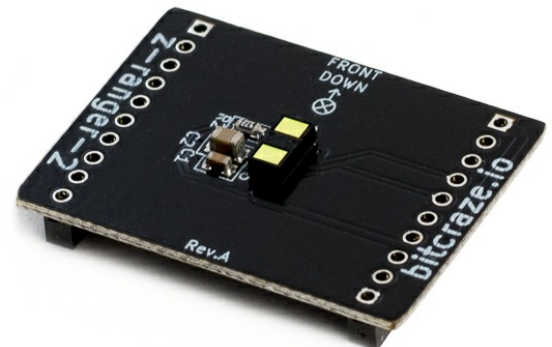




# Z-ranger deck v2

SKU: 114991550

The 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

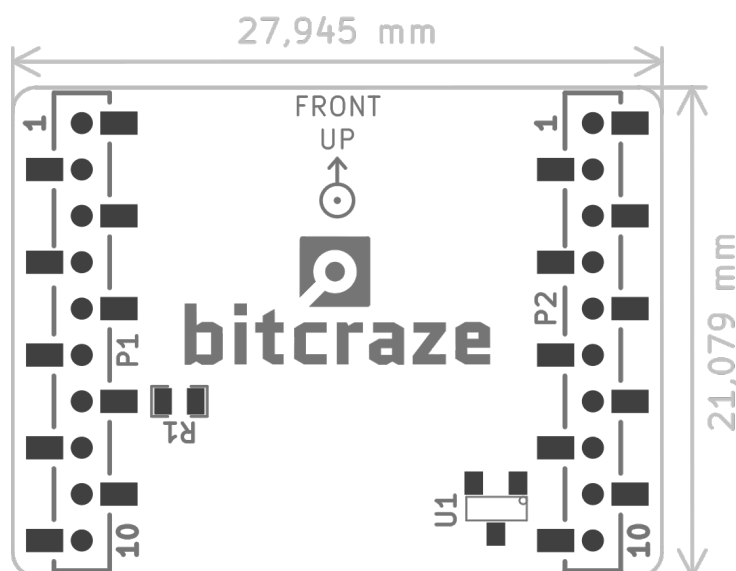
## 3. Electrical specification

- 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