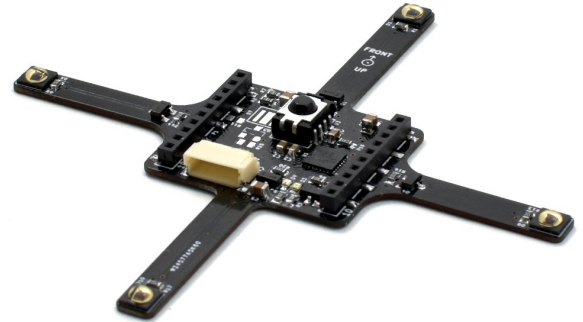# Active marker deck
SKU: 114992074

The active marker deck gives users robust and long range tracking using Qualisys QTM. The deck supports up to 4 IDs so it's possible to have many different configurations without having to carry around bulky spherical markers.

1. Introduction

The pre-flashed firmware on the deck supporting Qualisys is closed source, but the electronic design is open making it possible to adapt to other applications and motion capture systems.

2. Features

- Using Qualisys QTM
- Robust and long range tracking
- Supports up to 4 different marker IDs
- Generic mode (control intensity of each LED)
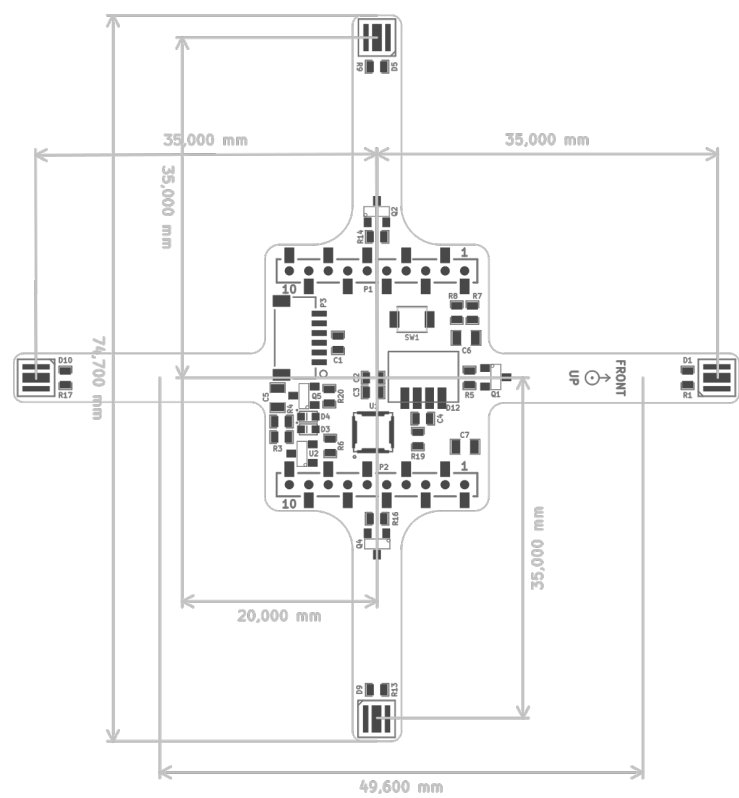- Move an LED by cutting an arm and wiring it instead.

3. Electrical specification

- STM32F031G6 MCU
- Receiving IR LED (38kHz carrier)
- 4 x high power IR LEDs (850 nm)
- SWD connector (compatible with Debug adapter)
- Compatible with Qualisys QTM V2019.3+

4. Mechanical specifications

- Weight: 3.1 g
- Size (WxHxD): 75x75x5 mm
- Designed for mounting above the Crazyflie product family

5. Mechanical drawing

6. Package contents

- 1 x Active marker deck

7. Errata

8. Hardware revisions

Revision	Comment
C	Initial release

9. History

Version	Comment	Date
1	Initial release	2020-04-01
2	Corrected STM32F031G6 part name	2021-09-27