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INDUSTRIAL PRODUCT DATASHEET

Crazyflie with Loco Positioning system Kit

Open-source drone kit with Loco Positioning System for precise indoor swarm positioning and 1km+ long-range control.

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Overview

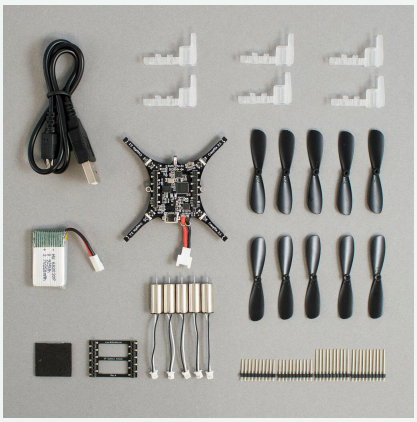


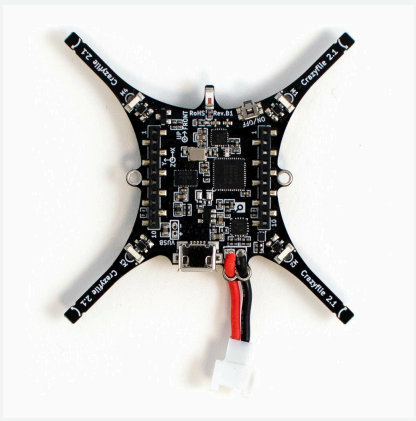
The Crazyflie with Loco Positioning system Kit is an open-source flying development platform that integrates a swarm-capable Loco Positioning System for absolute 3D indoor positioning using Ultra Wide Band radio. It supports TDoA for simultaneous positioning of numerous Crazyflies, provides 1km+ line-of-sight range with Crazyradio PA, and allows control from iOS, Android, Windows, Mac, and Linux via Bluetooth LE or Crazyradio.

Key Features

- **Swarm of Crazyflies along with functional modules:** Offer multiple enhanced modules for options, applying local positioning system
- **LPS system configuration Extension:** Support TDoA where a virtually infinite amount of Crazyflies can be positioned simultaneously
- **Loco Positioning system Enabled:** Simliar to a miniature GPS system, based on Ultra Wide Band radio that is used to find the absolute 3D position of objects in space
- **1km+ radio range LOS:** Tested to further **than 1 km** radio range line-of-sight (LOS) with the Crazyradio PA for suitable for indoor human-computer interaction tasks
- **Open-source flying development platform:** Support wireless firmware updates and enables flying from **iOS and Android** via **Bluetooth LE**, as well as from Windows/Mac OSX/Linux using the **Crazyradio** and **Crazyradio PA**

Product Gallery









Resource Links

- https://www.seeedstudio.com/Crazyflie-with-Loco-Positioning-system-Kit.html

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com