Livox Tele
相关资料文档介绍

Livox Technology

2020/11/30

Livox 官方网站资料

Livox 官网链接

- https://www.livoxtech.com/

Livox 官网资料下载

- 英文：https://www.livoxtech.com/downloads
- 中文：https://www.livoxtech.com/cn/downloads

Livox Github

- https://github.com/Livox-SDK

Livox Wiki

- 英文：https://livox-wiki-en.readthedocs.io/en/latest/
- 中文：https://livox-wiki-cn.readthedocs.io/zh_CN/latest/index.html

Tele系列/ Tele series

LIVOX

Tele系列雷达常见的技术参数/Basic specifications of Tele

- 英文：https://www.livoxtech.com/tele-15/specs

- 中文：https://www.livoxtech.com/cn/tele-15/specs

Tele资料下载中心/ Tele document center

- 英文：https://www.livoxtech.com/tele-15/downloads

- 中文：https://www.livoxtech.com/cn/tele-15/downloads

- 资料说明/ Description：

  - Tele系列快速入门和用户手册 / Tele quick start guide and user manual

  - 点云特点介绍 /Point cloud characteristics

  - Tele 系列3D数模/ Horizon 3D model and FOV Shape

  - 相关软件和硬件固件/ Related software and firmware

Tele系列/ Tele series

Tele快速入门指南(多语言版) / Tele quick start guide(multi-language)

- https://terra-1-g.djicdn.com/65c028cd298f4669a7f0e40e50ba1131/Download/TELE15/Livox%20Tele-15%20%E5%BF%AB%E9%80%9F%E5%85%A5%E9%97%A8%E6%8C%87%E5%8D%97.pdf

- 资料说明/ Description：
  - Tele机械结构，安装说明/ Mechanical structure, guide for the installation
  - 硬件接口，电路连接/ Hardware interface, electrical structure
  - Tele基本技术参数/ Basic specifications of Tele

Tele系列用户手册 / Tele user manual

- 英文：https://terra-1-g.djicdn.com/65c028cd298f4669a7f0e40e50ba1131/Download/TELE15/Livox%20tele-15%20user%20manual%20v1.0.pdf

- 中文：https://terra-1-g.djicdn.com/65c028cd298f4669a7f0e40e50ba1131/Download/TELE15/Livox%20tele-15%20%E7%94%A8%E6%88%B7%E6%89%8B%E5%86%8Cv1.0.pdf

- 资料说明/ Description：
  - Tele机械结构，安装说明/ Mechanical structure, guide for the installation
  - 硬件接口，电路连接/ Hardware interface, electrical structure
  - 不同工作模式介绍 /Introduction of different working mode
  - 时间同步方式介绍 /Introduction of time synchronization
  - 点云录制处理，雷达外参和Livox viewer介绍/ introduction of point cloud recording, extrinsic of lidars and software Livox viewer

Tele系列/ Tele series

Tele系列常见问题与回答 / Tele FAQ

- 英文：https://www.livoxtech.com/tele-15/faq

- 中文：https://www.livoxtech.com/cn/tele-15/faq

Livox Tele数模文件 / 3D model of Livox Tele

- https://terra-1-g.djicdn.com/65c028cd298f4669a7f0e40e50ba1131/Download/Tele-15_shell_FOV_3D.stp

Livox 上位机 / Livox Software

上位机软件下载 / Livox lidar software download

- Windows：https://terra-1-g.djicdn.com/65c028cd298f4669a7f0e40e50ba1131/Download/update/Livox%20Viewer%200.10.0.zip

- Ubuntu：https://terra-1-g.djicdn.com/65c028cd298f4669a7f0e40e50ba1131/Download/update/Livox_Viewer_For_Linux_Ubuntu16.04_x64_0.10.0.tar.gz

- 资料说明/ Description：

    - Livox Viewer 0.10.0 (64bit) – Windows 7 / 10

    - Livox Viewer 0.10.0 (64bit) – Ubuntu 16.04 / 18.04

Livox Viewer 用户手册 / Livox Viewer user manual

- 英文: https://terra-1-g.djicdn.com/65c028cd298f4669a7f0e40e50ba1131/Download/update/Livox Viewer User Manual v1.2.pdf

- 中文：https://terra-1-g.djicdn.com/65c028cd298f4669a7f0e40e50ba1131/Download/update/Livox Viewer 用户手册 v1.2.pdf

Livox SDK / Ros driver

LIVOX

SDK下载链接 / SDK download：

- 英文：https://github.com/Livox-SDK/Livox-SDK

- 中文：https://github.com/Livox-SDK/Livox-SDK/blob/master/README_CN.md

- 资料说明 / Description： 支持Windows 7/10 64bit / Ubuntu 16.04 / 18.04 64bit / Support Windows 7/10 64bit / Ubuntu 16.04 / 18.04 64bit

ROS平台的Livox ros driver / Livox ros driver on ROS platform

- Ubuntu: https://github.com/Livox-SDK/livox_ros_driver

- 资料说明 / Description：
    - 在ROS平台上使用的Livox 雷达驱动的安装和使用指南 / Livox driver on ROS platform and the installation and user guide

SDK通讯协议和数据格式 / SDK Communication protocol and data format

- https://github.com/Livox-SDK/Livox-SDK/wiki/Livox-SDK-Communication-Protocol

- 资料说明 / Description：
    - 通讯协议格式 / Communication protocol
    - 同步和时间戳格式 / Time synchronization and timestamp data format
    - 点云数据格式 / Point cloud data format
    - 雷达状态代码参考 / Lidar status code references

LIVOX

Livox_Mapping

It's a mapping package for Livox LiDARs. The package currently contains the basic functions of low-speed mapping.

- https://github.com/Livox-SDK/livox_mapping

Horizon_Highway_Slam

It's a robust, low drift, and real time highway SLAM package suitable for the Livox Horizon lidar, which is a high-performance LiDAR sensor built for Level 3 and Level 4 autonomous driving.

- https://github.com/Livox-SDK/horizon_highway_slam

Livox-Horizon-LOAM

It's a robust, low drift, and real time odometry and mapping package for Livox LiDARs, significant low cost and high performance LiDARs that are designed for massive industrials uses. Our package is mainly designed for low-speed scenes(~5km/h)

- https://github.com/Livox-SDK/livox_horizon_loam

Livox_Camera_Lidar_Calibration

This solution provides a method for manually calibrating the extrinsic parameters between Livox LiDAR and camera, which has been verified on series Mid-40, Horizon and Tele-15.

- https://github.com/Livox-SDK/livox_camera_lidar_calibration

Livox_Detection

Livox Detection is a robust,real time detection package for Livox LiDARs. The detector is designed for L3 and L4 autonomous driving. It can effectively detect within 200*100m range under different vehicle speed conditions(0~120km/h).

- https://github.com/Livox-SDK/livox_detection

Livox_Automatic_Calibration

This technology mainly relies on the isomorphic constraint assumption model of the environment to realize automatic calibration, and only needs to use the original point cloud data of the base LiDAR and target LiDAR.

- https://github.com/Livox-SDK/Livox_automatic_calibration

Many Thanks For Your Attention.