Loitor Cam2pc Visual-Inertial SLAM

SKU 101990260

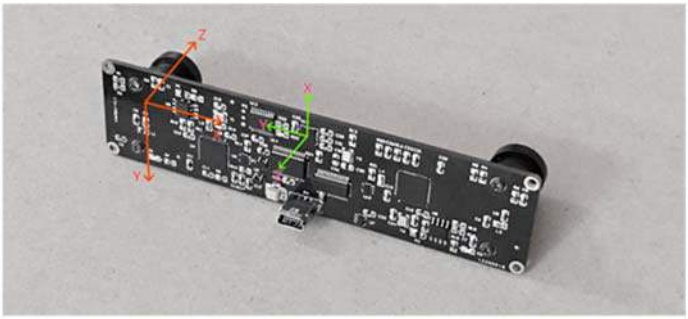
Description

Loitor Visual Inertial Camera is a general vision sensor designed for visual algorithm developers.Providing abundant hardware control interface and data interface aimed to reduce development threshold with reliable image and inertial data.

Hardware Specifications

- Physical Dimensions

- Camera Coordinate System between Left camera and IMU

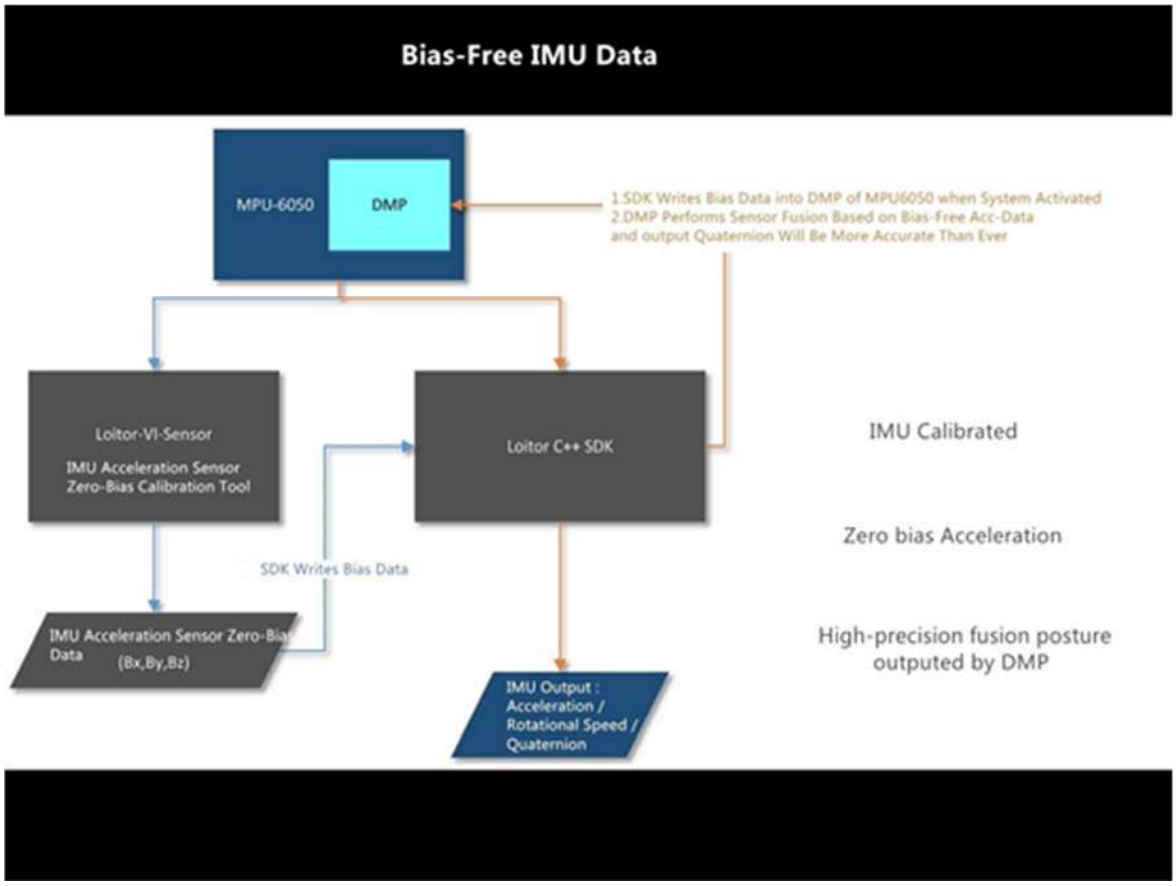


Hardware Performance and Specifications

	CMOS	IMU
Type	MT9V034	MPV-6050
Exposure Mode	Global shutter	-
Controller IC	CY68013	STM-32
FPS	24-65fps	200fps
Supported Resolution	320*240/640*480/752*480	-
Firmware Update	Firmware Update Supported By Windows Software	-
Baseline	10cm	-
Lens physical interface	M12 Lens interface	-
Lens Specifications	2.1mm/150º+6mm/60º	-
Data interface	Usb 2.0	
Data Delay	(1/Current_FPS)s	100us
Frame Synchronization	Stereo Synchronization Triggered By Camera Driver	-

Product Feature

- IMU zero bias calibration program, Zero bias initialization algorithm of DMP, High precision 6-DOF data, Minimum attitude drift.



- Stereo optical parameters already accurately calibrated

- The lens seat rifled through special processing, to ensure the camera would not loosen in the long-term delivery and the lens can be replaced.

- SDK needs no compilation,no special dependency libraries(only relay on libusb)
- stable and reliable ROS driver
- Ubuntu 16/14 supported

Part List

1 x Camera Module

1 x usb Disk

1 x usb cable

2 x CMOS