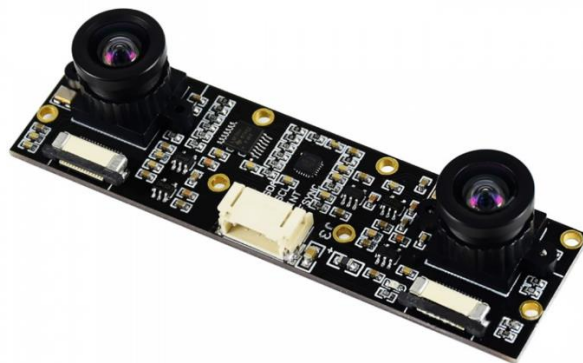


SEED-114992270

IMX219-83 8MP 3D Stereo Camera Module – Compatible with Jetson Nano/ Xavier NX



PRODUCT DETAILS

Features

- High-quality camera with two 8 megapixel Sony IMX219 image sensors for 3D depth vision
- Capable of viewing images at a high resolution of 3280 × 2464
- High FOV (field-of-view) to capture more area
- Integrated InvenSense ICM20948 motion tracking sensor for better accuracy

Description

This is a 3D stereo camera module that features dual IMX219 cameras onboard with 8 megapixels on each camera, which is suitable to use with the [NVIDIA Jetson Nano](#) and [NVIDIA Jetson Xavier NX](#) Development Kits.

By using this camera, combined with a Jetson Nano/ Xavier NX Development Kits, you can simply realize AI vision applications like depth vision and stereo vision. Also,

you can experience better quality video capture from this camera and build more demanding projects!

Specifications

Specification	Description
Megapixels	8 Megapixels
Photosensitive chip	Sony IMX219
Resolution	3280 × 2464 (per camera)
Lens Specifications	
CMOS size	1/4inch
Focal Length	2.6mm
Angle of View	83/73/50 degree (diagonal/horizontal/vertical)
Distortion	<1%
Baseline Length	60mm
ICM20948	
Accelerometer	
Resolution	16-bit
Measuring Range (configurable)	±2, ±4, ±8, ±16g

Specification	Description
Operating Current	68.9uA
Gyroscope	
Resolution	16-bit
Measuring Range (configurable)	$\pm 250, \pm 500, \pm 1000, \pm 2000^\circ/\text{sec}$
Operating Current	1.23mA
Magnetometer	
Resolution	16-bit
Measuring Range	$\pm 4900\mu\text{T}$
Operating Current	90uA
Dimensions	24mm × 85mm

Parts List

1 x IMX219-83 8MP 3D Stereo Camera Module – Compatible with Jetson Nano/
Xavier NX

2 x FFC Cable

1 x PH2.0 4-pin wire