

## SEEED-114992263

**IMX219-160 8MP Camera with 160° FOV - Compatible with NVIDIA Jetson Nano/ Xavier NX**



## PRODUCT DETAILS

### Features

- High-quality camera with an 8 megapixel Sony IMX219 image sensor
- Capable of viewing images at a high resolution of 3280 × 2464
- High FOV (field-of-view) to capture more area
- FCC and CE Certified

### Description

This is an 8-megapixel camera with a FOV (field-of-view) of 160 degrees, 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 machine vision projects. 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
Assembly Technique	SMT (ROSH)
Resolution	3280 × 2464
Pixel Size	1.12μm x1.12μm
CMOS size	1/4 inch
Aperture (F)	2.35
Focus	fixed
Focal Length	3.15mm
Lens Construction	6G+IR
Diagonal field of view (FOV)	160 degrees
Distortion	<14.3%
EFL	3.15mm

Specification	Description
BFL (Optical)	3.15mm
Maximum Image Transfer Rate	30 fps for QSXGA
Output formats	8/10bit RGB RAW output
S/N Ratio	39db
Dynamic Range	69db
Sensitivity	600mV/Lux-sec
Relative Illumination (Sensor)	70%
IR Filter	650±10nm
Object Distance	30CM-∞
Interface	15p-1.0 mipi
Power supply	3.3V (pin15)
Operating Temperature	-20°C to 70°C
Temperature (Stable Image)	0°C to 50°C
Lens size	6.5mm × 6.5mm
Module Size	25mm × 24mm ×17.7±0.5mm
Certifications	FCC and CE

## Parts List

- 1 x IMX219-160 8MP Camera with 160° FOV - Compatible with NVIDIA Jetson Nano/ Xavier NX
- 1 x 150mm FPC Cable