

IMX219-77 8MP Camera with 77° FOV - Compatible with NVIDIA Jetson Nano/ Xavier NX

SKU 114992260

- This is an 8-megapixel camera with a FOV (field-of-view) of 77 degrees, which is suitable to use with the [NVIDIA Jetson Nano](#) and [NVIDIA Jetson Xavier NX](#) Development Kits.

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 77 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!

More cameras compatible with NVIDIA Jetson Nano/ Xavier NX Development Kits

We would like to give you more freedom in choosing the camera that will be most suitable for your project. So, explore the table below to know about more cameras and make a better decision.

	1149922 60	1149922 61	1149922 62	1149922 63	1149922 64	1149922 65	1149922 70
Diagonal Field of View (FOV)	77°	77°	130°	160°	160°	200°	83°
IR LED Modules	None	2	None	None	2	None	None
Aperture	2.0	2.0	1.8	2.35	2.35	2.0	/
Focal Length	2.96mm	2.96mm	1.88mm	3.15mm	3.15mm	0.87mm	2.6mm
Lens Construction	4P	4P	4E+IR	6G+IR	6G+IR	1G4P+IR	/
Distortion	<1%	<1%	<7.6%	<14.3%	<14.3%	<18.6%	<1%
EFL	2.93mm	2.93mm	1.85mm	3.15mm	3.15mm	0.9mm	/
BFL (Optical)	1.16mm	1.16mm	1.95mm	3.15mm	3.15mm	1.41mm	/

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)	2.0
Focus	fixed
Focal Length	2.96mm
Lens Construction	4P
Diagonal field of view (FOV)	77 degrees
Distortion	<1%
EFL	2.93mm

Specification	Description
BFL (Optical)	1.16mm
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

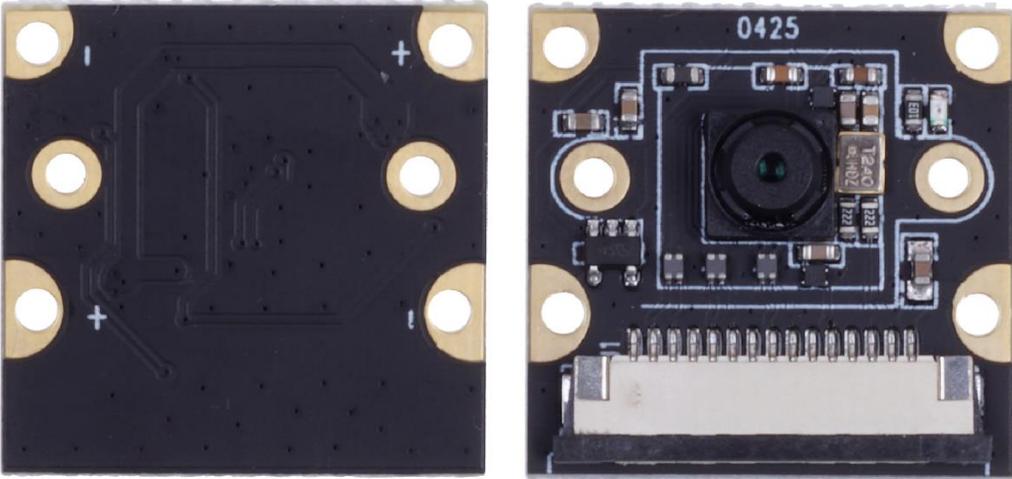
Specification	Description
Module Size	25mm × 24mm × 5.3±0.2mm
Certifications	FCC and CE

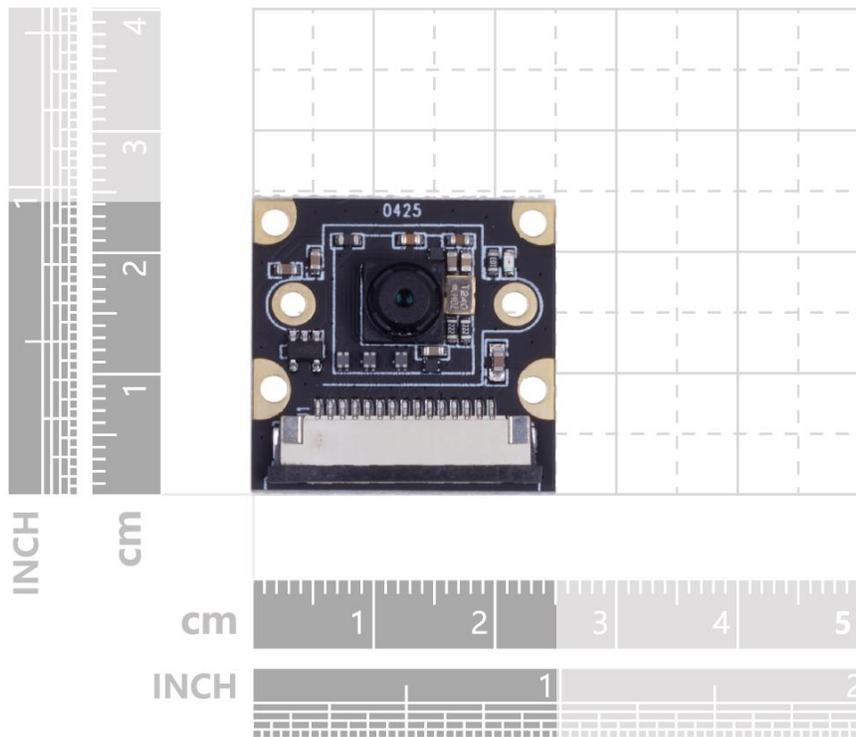
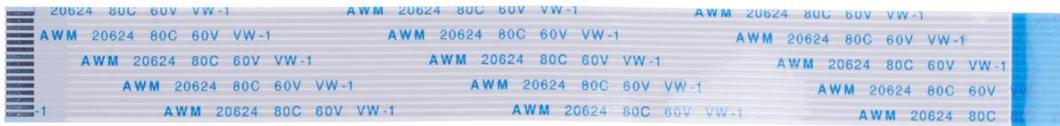
Parts List

- 1 x IMX219-77 8MP Camera with 77° FOV - Compatible with NVIDIA Jetson Nano
- 1 x 150mm FPC Cable

ECCN/HTS

HSCODE	8525801390
UPC	





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