

INDUSTRIAL PRODUCT DATASHEET

IMX219 M12/CS mount CMOS Camera Module - Nvidia Jetson & Raspberry Pi CM4 Camera, Support M12/CS mount lenses, High Image/Video Quality Camera Module

IMX219 M12/CS mount CMOS Camera Module for Nvidia Jetson & Raspberry Pi CM4, offering 8MP high-resolution imaging and versatile lens options.

SKU

102110719

UPDATED

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PRICE

\$15.90(Excl. VAT)



Overview

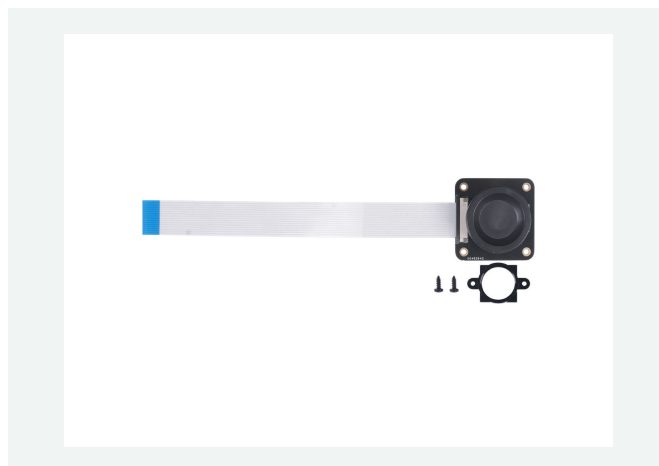
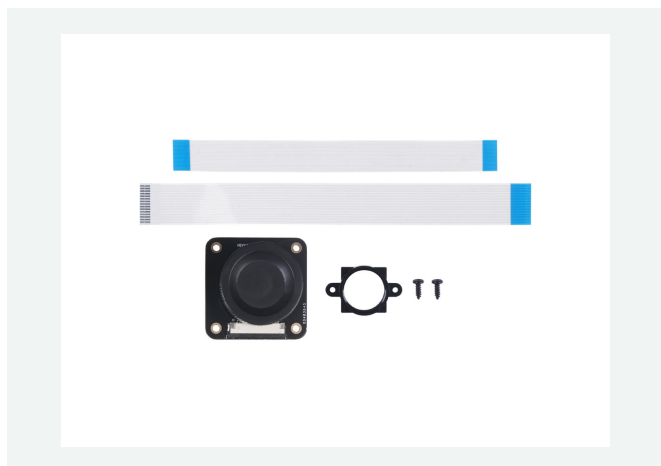


The IMX219 camera module features a Sony MX219 8-Megapixel back-illuminated CMOS sensor capable of 3280x2464 pixel static images, with support for M12 and CS-mount lenses. It delivers great video performance at 1080p30, 720p60, and 640x480p90, and easily integrates via a 15/22-pin CSI interface.

Key Features

- Numerous lens choices: M12 & CS-mount lenses supported.
- Sony MX219 sensor: 8-Megapixel Back-illuminated CMOS with great sensitivity
- High resolution: Capable of 3280 x2464 pixel static images
- Great video performance: Capture at 1080p30, 720p60 and 640x480p90
- Easy to integrate: 15/22-pin CSI (Camera Serial Interface) supported

Product Gallery



Specification

Sensor	Sony IMX219 back-illuminated sensor
	8 Megapixels
	Diagonal 4.60mm (Type 1/4.0)
	1.12mm (H) × 1.12mm (V) pixel size
Sensor resolution	3280 × 2464 pixels
Sensor image area	3.68 x 2.76 mm (4.6 mm diagonal)
Pixel size	1.12 μm x 1.12 μm
interface	15p-1.0 mipi
Working power supply	3.3v(pin15)
Sensitivity	600mV/Lux-sec
Maximum Image Transfer Rate	30 fps for QSXGA
Output formats	8/10bit RGB RAW output
S/N Ratio	39db
Dynamic Range	69db
Compliance	Restriction of Hazardous Substances(RoHS) Directive2011/65/EU

CSI 15 PIN	NO.	01	02	D B G ND 1 G ND D 1 5 V D A B · 3 V
	SYMBOL	GND	CAM1-DN0	
	NO.	12	13	
	SYMBOL	NC	SCL0	

CSI 22 PIN	NO.	01	02	D B G ND 1 - D ND 2 D G ND D ND D ND D
	SYMBOL	GND	CAM1-DN0	
	NO.	12	13	
	SYMBOL	CAM1-DP2	GND	

Applications

- Wide-angle lens for a DIY sports camera
- Surveillance system monitoring

Compliance & Logistics



HSCODE	8525891900
USHSCODE	8525895050
UPC	
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/IMX-219-CMOS-camera-module-M12-and-CS-camera-available-p-5372.html>

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