- What's New (Update records) Arduino SPI camera
- DVP Camera Module ^

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- Raspberry Pi Camera NVIDIA Jetson Camera Introduction to Arducam Jetson Cameras
- Jetson Nano Camera Connector Type and Pinout (MIPI CSI-2)
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- Pan/Tilt/Zoom Camera
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Data Format

8MP IMX219

Introduction

**Specifications** 

**Common Specs** 

**Sensor Model** 

Shutter Type

3280 (H) × 2464 (V) **Active Pixels** 8MP Resolution Image Sensor Format Type 1/4" 1.12μm×1.12μm Pixel Size CSI-2 Data Output 2-lane mode

by the Jetson Nano and Xavier NX out of the box.

**IMX219** 

**Rolling Shutter** 

Raw Bayer 10bit

**Resolution & Frame Rates** 

Sensor	L4T/JetPack	NVIDIA Jetson Platform	Resolution	Frame Rate
IMX219	L4T 32.x	NVIDIA Jetson Nano/Xavier NX/Orin Nano/Orin NX	3264x2464	21fps
			3264x1848	28fps
			1920x1080	30fps
			1640x1232	30fps
			1280x720	60fps
	L4T 35.x	NVIDIA Jetson Nano/Xavier NX/Orin Nano/Orin NX	3280x2464	21fps
			3280x1848	28fps
			1920x1080	30fps
			1640x1232	30fps
			1280x720	60fps

IMX219 is a 1/4" 8MP MIPI CSI-2 image sensor, it was adopted by the Raspberry

pi V2 camera module back in 2016. Now the IMX219 camera is natively supported

## Release Time

In 2016, the V2 camera (8MP IMX219) was out with upgrades in resolution and image quality.

**At Arducam** 

Jetson fans, we have designed several versions with different features according to different needs: Motorized Focus, PT&PTZ, M12/CS. **Motorized Focus** 

Arducam made a lot of variation of this camera to address different use-cases for

see. PT&PTZ

Arducam PT camera can move in two dimensions with 180 degrees horizontal and

145 degrees vertical movements. So it can be used to monitor places that should

be covered by multiple ones commonly in the surveillance system.

Arducam 8MP IMX219 Motorized Focus Camera Modules are designed for you to

control the focus via software, so you can see closer and see where you want to

**Product Image** 

SKU

Products			

**Features** 

Lens Type | Fiel

Pin/Connect Type

	B0180	15/NA		M12	1
	B0194		Wide Angle		
	B0188		Low Distortion		
	B0286		Fisheye Lens		2
	B0182				
	B0190		Motorized Focus	Stock Lens	
Let Just the late of the late	B0179		Wide Angle		1
Architecture of the state of th	B0342	15/bottom	Mini Size	M12	
	B0193		Wide Angle		1
	B0183		Low Distortion		
	B0187				
	B0287		Wider Angle		2
The state of the s	B0189		8MP Autofocus	Stock Lens	
	B0191		Official Size		62
AWA 2002 WAYA AWA A	B0181		8MP Autofocus		
	B0185	15/NA	Miniature Camera	Stock Lens	
	B01678MP	15/Bottom	Don Tilt Zoom Wit	CC	11//
	B0167B8		Pan-Tilt-Zoom Kit	CS	H(6

# **Related Docs**

Quick Start Guide on NVIDIA Jetson Nano/Xavier NX

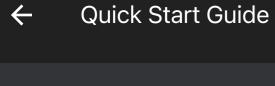
Quick Start Guide on NVIDIA Jetson Orin Nano/Orin NX Quick Start Guide on NVIDIA Jetson AGX Orin

Application Note - Fix Red Tint with ISP Tuing

Application Note - Jetson-io on Previous JetPack/L4T version

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