

INV-IMX219AF-8MP

8MP Autofocus Camera Module, MIPI-CSI Interface with Sony IMX219 Image Sensor

The INV-IMX219AF is a compact 1/4-inch 8MP CMOS camera module featuring Sony's IMX219 image sensor. It provides a high-resolution 3280 (H) × 2464 (V) active pixel array, delivering detailed images for embedded vision, robotics, and intelligent camera applications.

The sensor combines high-resolution imaging with an autofocus optical system, providing a focus range from approximately 10 cm to infinity. Its 2.94 mm focal length and 60° diagonal field of view provide a balanced viewing angle for applications requiring detailed imaging without an excessively wide perspective.

The INV-IMX219AF provides reliable image capture through a MIPI interface and compact 8.5 mm × 8.5 mm × 4.89 mm module design. Its autofocus capability and small form factor make it well suited for robotics, embedded AI systems, smart devices, machine vision, and other space-constrained imaging applications.

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High-resolution 8MP imaging for detailed photographs and video applications.



Sony IMX219 image sensor provides reliable image quality and high-resolution capture.



Autofocus capability enables clear imaging across a broad range of working distances.



60° diagonal field of view provides balanced scene coverage for embedded vision applications.



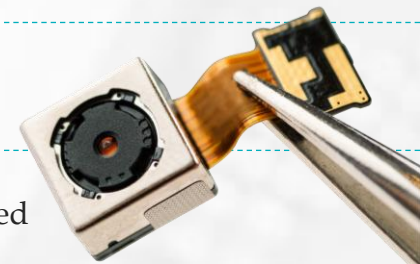
Low optical distortion helps maintain accurate and natural image reproduction.



MIPI-CSI interface enables integration with embedded processors and vision platforms.



Compact 8.5 mm × 8.5 mm × 4.89 mm design for space-constrained camera applications.



Resolution	Sensor Vendor	Image Sensor	Interface	Focus	Optical Size	EFL	FOV (degrees)	Focus Range	Optical Distortion	Module Size (mm)	Application
8MP	Sony	IMX219	MIPI	AF	1/4"	2.94	60	10CM—∞	<1%	8.5x8.5x4.89mm	Robotics, AI Vision, Machine Vision,