

INV-IMX676-12MP

12MP High-Sensitivity Camera Module with Sony STARVIS 2 IMX676 Sensor, MIPI-CSI Interface

The INV-IMX676 is a 1/1.7-inch 12MP CMOS digital image sensor featuring Sony STARVIS 2 technology. It provides high-resolution imaging with excellent sensitivity and low-noise performance, making it well suited for demanding vision applications in both daylight and low-light environments. The sensor delivers clear, detailed images across challenging lighting conditions. Its STARVIS 2 technology provides enhanced sensitivity in the near-infrared range and improved dynamic range, allowing the camera to capture useful image detail in dark scenes as well as areas with significant differences between bright and dark regions.

The INV-IMX676 combines a 120° horizontal field of view with a 4.41 mm focal length and a focus range from approximately 50 cm to infinity. Its MIPI interface and compact 18 mm × 16 mm module make it a flexible solution for security, intelligent transportation, AI vision, robotics, and other embedded imaging systems.



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High-resolution 12MP imaging for detailed image capture and advanced vision applications.



Sony STARVIS 2 technology for excellent sensitivity and low-noise imaging.



Enhanced near-infrared sensitivity for clear nighttime and low-light imaging.



High dynamic range for preserving detail across bright and dark areas of a scene



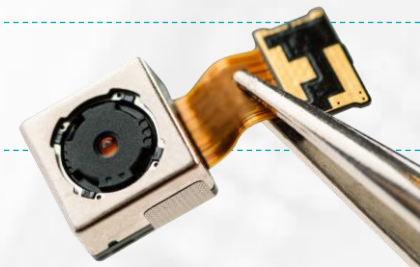
Excellent low-light performance for reliable imaging in challenging illumination conditions.



Wide 120° horizontal field of view for broad scene coverage and environmental awareness.



MIPI interface and compact module design for integration into AI, security, robotics, and embedded vision platforms.



Resolution	Sensor Vendor	Image Sensor	Interface	Focus	Optical Size	EFL	FOV (degrees)	Focus Range	Optical Distortion	Module Size (mm)	Application
12MP	Sony	IMX676	MIPI	FF	1/1.7"	4.41mm	120	50CM-∞	Dependent on Lens	18x16mm	Robotics, ITS, Security