

INV-IMX708-12MP

12MP Wide-Angle Autofocus Camera Module with Sony IMX708 Sensor, MIPI-CSI Interface

The INV-IMX708 is a 1/2.43-inch 12MP CMOS digital image sensor featuring Sony's IMX708 image sensor. It provides a 4608 (H) × 2592 (V) active pixel array with high-resolution imaging, making it well suited for applications requiring detailed images and broad scene coverage.

The sensor delivers clear, detailed images with strong performance across a range of lighting conditions. Its wide-angle optical design provides a 120° diagonal field of view, while the autofocus system allows the camera to capture sharp images across different working distances.

The INV-IMX708 combines a 2.75 mm focal length with a focus range from approximately 10 cm to infinity. Its MIPI interface and compact 10 mm × 10 mm × 11.3 mm module design make it a flexible solution for robotics, smart devices, security systems, AI vision, and embedded imaging applications.



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



Sony IMX708 image sensor for high-quality imaging in compact camera systems.



Autofocus capability for sharp imaging across a wide range of working distances.



Ultra-wide 120° field of view for broad scene coverage and environmental awareness.



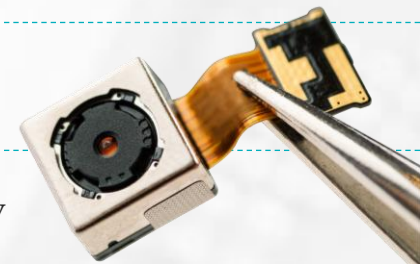
High-quality low-light imaging for reliable image capture in challenging lighting conditions.



Low optical distortion for improved image geometry across the wide-angle field of view.



MIPI interface and compact design for integration into robotics, AI, security, 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	IMX708	MIPI	AF	1/2.43"	2.75mm	120	10CM-∞	< -11.6%	10x10x11.3mm	Robotics, Security, Embedded Vision