

INV-IMX230AF-21MP

21MP High-Resolution Autofocus Camera Module with Sony Exmor RS™ IMX230 Sensor, MIPI-CSI Interface

The INV-IMX230AF is a 1/2.4-inch 21MP CMOS digital image sensor featuring Sony Exmor RS™ technology. It provides a 5344 (H) × 4016 (V) active pixel array with 1.12 μm pixels, delivering highly detailed images for advanced imaging and embedded vision applications.

The sensor combines high-resolution imaging with image-plane phase-detection autofocus for fast and accurate focusing. Its HDR capability helps preserve detail in high-contrast scenes, while advanced noise reduction and white-spot correction provide clean and consistent image quality.

The INV-IMX230AF combines a 79.1° diagonal field of view with autofocus from approximately 10 cm to infinity. Its MIPI interface and compact 10.5 mm × 10 mm × 6.17 mm module make it well suited for robotics, AI vision, facial recognition, drones, smart devices, and other high-resolution imaging systems.



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High-resolution 21MP imaging for highly detailed photographs and advanced vision applications.



Sony Exmor RS™ technology for high-quality imaging and efficient signal processing.



Image-plane phase-detection autofocus for fast and accurate focus tracking.



HDR imaging for improved detail and color reproduction in high-contrast scenes.



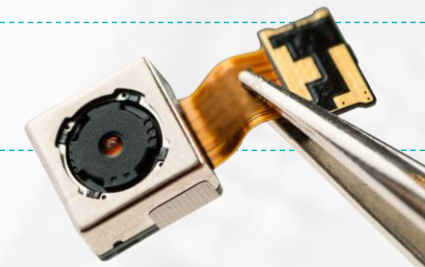
High-speed video capture supporting 4K at 30 fps, 1080p at 60 fps, and 720p at 120 fps.



Advanced image processing including white-spot correction and noise reduction.



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



Resolution	Sensor Vendor	Image Sensor	Interface	Focus	Optical Size	EFL	FOV (degrees)	Focus Range	Optical Distortion	Module Size (mm)	Application
21MP	Sony	IMX230	MIPI	AF	1/2.4"	-	79.1	10CM-∞	-	10.5x10x6.17mm	Robotics, AI Vision