

INV-IMX335-5MP

5MP RGB/Mono Rolling Shutter Camera Module, MIPI-CSI Interface for SMARC QCS6490 Vision AI Dev Kit

The Sony IMX335 is a 5-megapixel CMOS image sensor, designed for security, surveillance, and industrial cameras. It uses a 1/2.8-type back-illuminated (BSI) STARVIS™ architecture, delivering high sensitivity and low-light performance, including good results in near-infrared conditions.

The sensor supports HDR (DOL-HDR), runs up to ~30 fps at full resolution, and outputs data over MIPI CSI-2, making it well suited for compact, high-quality imaging systems.



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Back-illuminated pixel technology specifically designed for high-sensitivity security and industrial applications.



Full characterization of shading, distortion, and intrinsic/extrinsic parameters.



Optimized BLC, LSC, and CCM for professional-grade color accuracy and machine vision.



High-precision Auto Exposure, Auto White Balance, and rapid focus response.



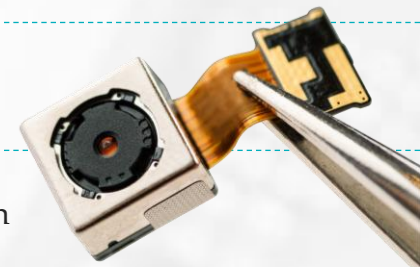
DOL-HDR support for capturing detail in extreme high-contrast lighting.



Exceptional SNR1s value, delivering clear imaging in near-total darkness.



IQ profiles specifically tuned for edge-based object detection and facial recognition.



Resolution	Sensor Vendor	Image Sensor	Interface	Focus	Optical Size	EFL	FOV (degrees)	Focus Range	Optical Distortion	Module Size (mm)	Application
5MP	Sony	IMX335	MIPI	FF	1/2.8"	1.82	156.5	10cm~25cm	<-19%	13.4x13.4mm	Security, Machine Vision