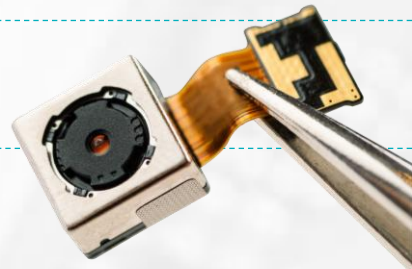
INV-IMX258FF-13MP

13MP RGB Rolling Shutter Camera Module

IMX258 is a diagonal 5.867mm (Type 1/3.06) 13 Mega-pixel CMOS active pixel type stacked image sensor with a square pixel array. It adopts Exmor RS™ technology to achieve high speed image capturing by column parallel A/D converter circuits and high sensitivity and low noise image (comparing with conventional CMOS image sensor) through the backside illuminated imaging pixel structure. R, G, and B pigment primary color mosaic filter is employed. By introducing spatially multiplexed exposure technology, high dynamic range still pictures and movies are achievable.
It equips an electronic shutter with variable integration time. It operates with three power supply voltages: analog 2.7 V, digital 1.2 V and 1.8 V for input/output interface and achieves low power consumption. In addition, this product is designed for use in cellular phone and tablet pc.

- High-speed capture with backside illumination for optimized light sensitivity.
- Full characterization of shading, distortion, and intrinsic/extrinsic parameters.
- Professional optimization for BLC, LSC, and CCM for high-fidelity color accuracy.
- High-precision Auto Exposure, Auto White Balance, and rapid focus response.
- Phase Detection Auto Focus capability for fast and accurate focusing in varied conditions.
- Supports 13MP resolution for high-detail capture in compact system designs.
- Specialized IQ tuning tailored for document scanning, object recognition, and edge analytics.



Resolution	Sensor Vendor	Image Sensor	Interface	Focus	Optical Size	EFL	FOV (degrees)	Focus Range	Optical Distortion	Module Size (mm)	Application
13MP	Sony	IMX258	MIPI	FF	1/3.06”	4.24	69	1.87m~∞	<2.0%	8.5x8.5x4.63mm	Smart Phones, Robotics