

INV-AR0330FF-3MP

3.4MP RGB/Mono Rolling Shutter Camera Module, MIPI-CSI Interface for SMARC QCS6490 Vision AI Dev Kit

The INV-AR0330FF-3MP camera module has the On-Semi AR0330 1/3-inch CMOS digital image sensor with an active-pixel array of 2304Hx1536V. It can support 3.15 megapixel (2048H x 1536V) digital still image capture and a 1080p60+20%EIS (2304H x 1296V) digital video mode. It incorporates sophisticated on-chip camera functions such as windowing, mirroring, column and row subsampling modes, and snapshot modes.

The AR0330 can be operated in its default mode or programmed for frame size, exposure, gain, and other parameters. The default mode output is a 2304 x 1296 image at 60 frames per second (fps). The sensor outputs 10- or 12-bit raw data, using either the parallel or serial (HiSPi, MIPI) output ports.



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1080p @ 60 fps or 3.1MP @ 30 fps for smooth high-definition video.



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



Optimized BLC, LSC, CCM, and advanced denoising for superior color accuracy.



Fast Auto Exposure, Auto White Balance, and precision Auto Focus.



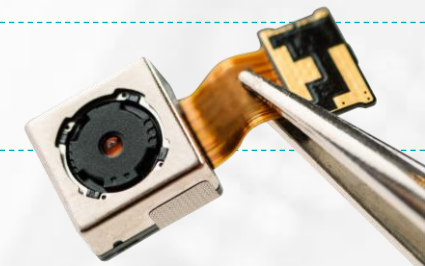
BSI pixel technology for high-quality imaging.



Built-in support for EIS.



Optimized image quality for consumer devices, webcams, and security AI.



Resolution	Sensor Vendor	Image Sensor	Interface	Focus	Optical Size	EFL	FOV (degrees)	Focus Range	Optical Distortion	Module Size (mm)	Application
3MP	OnSemi	AR0330	DVP	FF	1/3"	Multiple Options		Dependent on the lens		9x9x17mm	Security