Product Overview

AR1337: CMOS Imaging Sensor, 13 MP, with SuperPD™ PDAF Technology

For complete documentation, see the data sheet.

The AR1337 is a 13 MP CMOS imaging sensor featuring SuperPD™ PDAF technology. This advanced sensor has unique PDAF micro-lens and PDAF pattern technology which gives it superior AF performance especially in low light. Built with 1.1µm pixels providing an industry standard 1/3.2" optical format gives AR1337 the right size for high volume designs. Image Quality is driven by leading quantum efficiency and sensitivity while maintaining low read noise. This combination delivers excellent images in bright day light or low indoor lighting conditions. AR1337 runs at 13 MP at 30 frames per second and also supports 4k2k video at 30 frames per second and Full HD 1080P video up to 60 frames per second.

Features

- SuperPD™ PDAF technology
- Unique PDAF pattern and micro-lens technologies
- On-chip bad pixel correction and AF calculations
- High Quantum Efficiency and Sensitivity with Low read noise

Benefits

- Leading low light auto focus performance
- High accuracy Phase Detect Auto Focus (PDAF) functionality
- Simplified camera module integrator calibration and integration to backend application processors
- Superior image quality especially in low light

Applications

- Smartphone Camera
- Tablet Camera

End Products

- Smartphone
- Tablet

Part Electrical Specifications

Product	Pricing ($/Unit)	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
AR1337CSSC32SMD20		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	13	13MP 30, 4K2K 30, 1080P 60	1/3 inch	Electronic Rolling	1.1 x 1.1	MIPI	Bayer Color	

For more information please contact your local sales support at www.onsemi.com.

Created on: 10/9/2020