

AR0330

CMOS Image Sensor, 3 MP, 1/3"

Product Overview

For complete documentation, see the data sheet.

ON Semiconductor's focus on pixel performance excellence provides the foundation for this sensor's exceptional image quality with superior color accuracy, low-light sensitivity, and low noise level. This cost-effective CMOS imaging solution enables high speed image capture capabilities, and includes variable functions, including gain, frame rate, and exposure while maintaining low power consumption.

Features

- 2.2 μm pixel with ON Semiconductor A-Pix™ technology
  - Full HD support at 60 fps (2304H x 1296V) for maximum video performance
  - Superior low-light performance
  - 3.4Mp (3:2) and 3.15 Mp (4:3)still images
  - Support for external mechanical shutter
  - Support for external LED or Xenon flash
  - Data interfaces: TWO-lane serial MIPI interface, or parallel.
  - On-chip phase-locked loop (PLL) oscillator
  - Simple two-wire serial interface
  - Auto black level calibration
- For more features, see the data sheet

Applications

- Camera
- Security

End Products

- Video Camcorders
- Web Cameras
- Video Conference Cameras
- Security Cameras

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
AR0330CS1C12 SPKA0-CP		<div><div>Pb</div><div>H</div></div>	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	ODCSP-61
AR0330CS1C12 SPKA0-CP2		<div><div>Pb</div><div>H</div></div>	Active									ODCSP-61
AR0330CS1C12 SPKA0-CR		<div><div>Pb</div><div>H</div></div>	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	ODCSP-61