

## AR0330

# CMOS Image Sensor, 3 MP, 1/3"

## Product Overview

For complete documentation, see the data sheet.

onsemi'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  $\mu\text{m}$  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	Status	Compliance	Type	Me-gapi-xels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Family	Package Type	Case Outline	MSL Type	MSL Temp (°C)	Container Type	Container Qty.
AR0330CS1C12 SPKA0-CP	Last Shipments		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	OD CSP -61	570 BF. PDF	5	260	CTRAY	2000
AR0330CS1C12 SPKA0-CR	Lifetime		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	OD CSP -61	570 BF. PDF	5	260	CTRAY	2000
AR0330CSSC12 SPBA0-DR	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Parallel	RGB	-	PLC C-48	776 AM. PDF	4	240	JTRAY	1520
AR0330SR1C00 SUKA0-CP	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	OD CSP -61	570 BF. PDF	5	260	CTRAY	2000
AR0330SR1C00 SUKA0-CR	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	OD CSP -61	570 BF. PDF	5	260	CTRAY	2000