

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	Status	Compliance	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type	Case Outline	MSL Type	MSL Temp (°C)	Container Type	Container Qty.
AR0330CS1C12 SPKA0-CP	Active		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	ODC SP-61	570 BF.PDF	5	260	CTR AY	2000
AR0330CS1C12 SPKA0-CR	Active		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	ODC SP-61	570 BF.PDF	5	260	CTR AY	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	JTR AY	1520
AR0330SR1C00 SUKA0-CP	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	ODC SP-61	570 BF.PDF	5	260	CTR AY	2000
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