

AR0239

CMOS Image Sensor, 2.3 MP, 1/2.7"

Product Overview

For complete documentation, see the data sheet.

The AR0239 from ON Semiconductor is a 1/2.7-inch CMOS digital image sensor with an active-pixel array of 1936 (H) × 1188 (V). It captures images in either linear or high dynamic range modes, with rolling-shutter readout. It includes sophisticated camera functions such as in-pixel binning, windowing and both video and single frame modes. It is designed for both low light and high dynamic range scene performance. It is programmable through a simple two-wire serial interface. The AR0239 produces extraordinarily clear, sharp digital pictures, and its ability to capture both continuous video and single frames makes it the perfect choice for a wide range of applications, including surveillance and HD video.

Features

- 2.3Mp at 90 fps for Excellent Video Performance
- Small Optical Format (1/2.7-inch)
- 1080p Mode for 16:9 Video
- Superior Low-light Performance
- 3.0um large Back Side Illuminated Pixel Technology
- Supports Line Interleaved T1/T2/T3 Readout to Enable HDR Processing in ISP Chip at 1080P and 30fps
- On-chip Phase-locked Loop (PLL) Oscillator
- Integrated Color and Lens Shading Correction
- Slave Mode for Precise Frame-rate Control
- Data Interfaces: - HiSPi (SLVS) - 4 Lanes - MIPI CSI-2 - 4 Lanes - Parallel

For more features, see the data sheet

Applications

- Video Surveillance
- High Dynamic Range Imaging

End Products

- Security Camera
- Action camera
- Car DVR
- Body camera

Product	Pricing (\$/Unit)	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
AR0239SRSC00 SUEA0-DP			Active	CMOS	2.3	90	1/2.7 inch	Rolling	3.0 x 3.0	Multi	Bayer Color	IBGA-63
AR0239SRSC00 SUEA0-DPBR			Active	CMOS	2.3	90	1/2.7 inch	Rolling	3.0 x 3.0	Multi	Bayer Color	IBGA-63
AR0239SRSC00 SUEA0-DR			Active	CMOS	2.3	90	1/2.7 inch	Rolling	3.0 x 3.0	Multi	Bayer Color	IBGA-63

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Optical Sensor Development Tools](#) category:

Click to view products by [ON Semiconductor](#) manufacturer:

Other Similar products are found below :

[AR0330CS1C12SPKAH3-GEVB](#) [MT9V034C12STCH-GEVB](#) [MT9V115EBKSTCH-GEVB](#) [416015300-3](#) [ISL29102IROZ-EVALZ](#)
[MT9M021IA3XTMH-GEVB](#) [AR1820HSSC12SHQAH3-GEVB](#) [AR1335CSSC11SMKAH3-GEVB](#) [MAXCAMOV10640#](#)
[MT9M031I12STMH-GEVB](#) [TSL2581CS-DB](#) [TMD3700-DB](#) [NANOUSB2.2](#) [ASX340AT3C00XPEDH3-GEVB](#) [AR0144ATSM20XUEAH3-GEVB](#) [AR0144CSSC00SUKAH3-GEVB](#) [AR0522SRSC09SURAH3-GEVB](#) [AR0522SRSM09SURAH3-GEVB](#) [AR0521SR2C09SURAH3-GEVB](#) [MARS1-MAX9295A-GEVK](#) [MARS1-MAX9296B-GEVB](#) [ISL29112IROZ-EVALZ](#) [AR0233AT2C17XUEAH3-GEVB](#)
[AR0431CSSC14SMRAH3-GEVB](#) [MARS-DEMO3-MIPI-GEVB](#) [TCS3430-DB](#) [AR0234CSSC00SUKAH3-GEVB](#) [AR0130CSSM00SPCAH-GEVB](#) [AR0330CM1C00SHAAH3-GEVB](#) [EVALZ-ADPD2212](#) [TMD2772EVM](#) [TMG3993EVM](#) [MIKROE-2103](#) [TSL2672EVM](#) [1384](#)
[MT9M114EBLSTCZDH-GEVB](#) [SEN0043](#) [SEN0162](#) [TMD2771EVM](#) [TMD3782EVM](#) [TSL4531EVM](#) [1918](#) [AS7225](#) [DEMO KIT](#) [SEN0097](#)
[SEN0228](#) [AR0134CSSC00SUEAH3-GEVB](#) [AP0100AT2L00XUGAH3-GEVB](#) [AR0144CSSM20SUKAH3-GEVB](#) [725-28915](#) [EVAL-ADPD1081Z-PPG](#)