

产品概览

AR0237AT: CMOS Digital Image Sensor, 1/2.7-inch, 2.1 Mp/Full HD

欲看完整文档，请参阅数据表。

The AR0237AT from ON Semiconductor is a 1/2.7-inch CMOS digital image sensor with an active-pixel array of 1928 (H) × 1088 (V). It captures images in either linear or high dynamic range modes, with a 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 AR0237AT 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.

特性

- Superior Low-light Performance
- Latest 3.0 μm pixel with ON Semiconductor DR-Pix Technology with Dual Conversion Gain
- Full HD Support at Up to 1080p 60 fps for Superior Video Performance
- Linear or High Dynamic Range Capture
- Supports Line Interleaved T1/T2 Readout to Enable HDR Processing in ISP Chip
- Support for External Mechanical Shutter
- On-chip Phase-locked Loop (PLL) Oscillator
- Integrated Position-based Color and Lens Shading Correction
- Slave Mode for Precise Frame-rate Control
- Stereo/3D Camera Support

For more features, see the data sheet

应用

- Automotive Surround View
- Automotive Scene Viewing, Including DVR
- High Dynamic Range Imaging

终端产品

- Automotive

器件电气规格

产品	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (μm)	Output Interface	Color	Package Type
AR0237ATSC12XUEA 0-DPBR-E	Pb-free Halide free	Active	CMOS	2.1	60 fps		Electronic Rolling and Global Reset Release		HiSPi™ Parallel	RGB	IBGA-80
AR0237ATSC12XUEA 0-DRBR-E	Pb-free Halide free	Active	CMOS	2.1	60 fps		Electronic Rolling and Global Reset Release		Parallel HiSPi™	RGB	IBGA-80

欲了解更多信息，请联系您当地的销售支援 www.onsemi.cn。

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