

产品概览

AR0238 RGB-IR: 2 MP 1/2.7" RGB-IR CMOS Image Sensor, Recon Die

欲看完整文档，请参阅数据表。

The AR0238 RGB-IR is a 1/2.7-inch CMOS digital image sensor with an active-pixel array of 1928 (H) x 1088 (V). It captures images in either linear or high dynamic range modes with a rolling-shutter readout, and 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, and is programmable through a simple two-wire serial interface. The AR0238 RGB-IR integrates the ability to take daytime color imaging and nighttime near-IR imaging in one sensor without the need for a mechanical IR-cut filter which can be loud, large, cause refocusing issues and expensive to maintain, and ideal for home security and other monitoring applications where lighting conditions can change drastically during the times when the camera is expected to work.

特性

- Superior low-light performance
- DR-PIX (TM) technology with Dual Conversion Gain
- Full HD support at up to 1080p 60 fps for superior video performance
- Linear or high dynamic range capture
- On-chip phase-locked loop (PLL) oscillator
- Supports line interleaved T1/T2 readout to enable HDR processing in ISP chip
- Support for external mechanical shutter
- 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

- Video surveillance
- 1080p60 (Surveillance) video applications
- High dynamic range imaging
- Home security

终端产品

- Surveillance camera
- Door Bell camera
- Baby camera
- Home security camera

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
AR0238IRSH12SUD20	Pb-free Halide free	NEW	CMOS	2	60	1/2.7 inch	Electronic Rolling and Global Reset Release	3.0 x 3.0	Multi	RGB-IR	

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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