

产品概览

AR0522: CMOS 图像传感器, 5.1 MP, 1/2.5", 近红外性能增强

欲看完整文档, 请参阅数据表。

AR0522 是一款 1/2.5 英寸 CMOS 数字图像传感器, 带有 2592 (H) × 1944 (V) 有效像素阵列。它能在线性或高动态范围模式下捕捉图像, 且带有卷帘快门读取, 其中包含了复杂的摄像头功能, 如装仓、开窗以及视频和单帧模式。其设计同时适用于低光度和高动态范围性能, 具有隔行扫描 T1/T2 读取, 可支持 ISP 芯片中的芯片外 HDR。AR0522 可产生非常清晰、锐利的数字图像, 并且能够同时捕捉连续视频和单帧图像, 适用于多种应用。

特性

- 5 Mp at 60 fps for Excellent Video Performance
- Small Optical Format (1/2.5-inch)
- Color Filter Array : RGB and Monochrome
- 1440p Mode for 16:9 Video
- Superior Low-light Performance
- 2.2 m Back Side Illuminated Pixel Technology
- 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 Color and Lens Shading Correction

For more features, see the data sheet

应用

- Video Surveillance
- High Dynamic Range Imaging
- Machine Vision

终端产品

- Security camera
- Action camera
- Hunting camera
- Body camera
- Car DVR

器件电气规格

产品	Pricing (\$/Unit)	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (μm)	Output Interface	Color	Package Type
AR0522SRSC09SURA0-DP		Pb-free Halide free	Active	CMOS	5.1	60	1/2.5 inch	Rolling	2.2 x 2.2	Multi	RGB	PLCC-52
AR0522SRSC09SURA0-DR		Pb-free Halide free	Active	CMOS	5.1	60	1/2.5 inch	Rolling	2.2 x 2.2	Multi	RGB	PLCC-52
AR0522SRSM09SURA0-DP		Pb-free Halide free	Active	CMOS	5.1	60	1/2.5 inch	Rolling	2.2 x 2.2	Multi	Mono	PLCC-52
AR0522SRSM09SURA0-DR		Pb-free Halide free	Active	CMOS	5.1	60	1/2.5 inch	Rolling	2.2 x 2.2	Multi	Mono	PLCC-52

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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