

产品概览

AR0144CS: CMOS 图像传感器，数字型，全局快门，1.0 MP，1/4"

欲看完整文档，请参阅数据表。

AR0144 是一款 1/4 英寸，1.0 Mp CMOS 数字图像传感器，带有 1280H x 800V 有效像素阵列。它结合了新型的创新全局快门像素设计，适用于准确快速的移动场景捕捉。该传感器会在低光度和亮度场景下产生清晰的无噪点图像。它包含了多种复杂的摄像功能，如自动曝光控制、开窗、行跳过模式、列跳过模式、像素装仓以及视频和单帧模式。它可通过一个简单的双线串行接口进行编程。AR0144 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，适用于扫描和工业检测等多种应用。

特性

- Best Global Shutter Efficiency
- Low Dark Current/Hot Pixels
- High Linear Full Well
- Low Operational Power
- Small Form Factor

应用

- Barcode Scanning
- 3D Scanning
- Virtual/Augmented Reality
- Positional Tracking
- Gesture Recognition

优势

- Improved image quality for fast moving objects
- Total Noise Floor Reduction, SNR Improvement
- High Dynamic Range
- Ideal for battery powered applications
- Ideal for space constrained applications like Handheld Scanners

终端产品

- Barcode Scanners
- Head Mounted Displays
- Biometric Scanners
- Virtual Reality/Augmented Reality Glasses
- Drones

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 |
|-------------------------|-------------------|------------------------|--------|------|------------|------------------|----------------|----------------|-----------------|------------------|-------|--------------|
| AR0144CSSC00SUD20 | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | RGB | |
| AR0144CSSC00SUKA0-CPBR | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | RGB | ODCSP-69 |
| AR0144CSSC00SUKA0-CPBR1 | | Pb-free Halide free | Active | | | | | | | | | ODCSP-69 |
| AR0144CSSC00SUKA0-CPBR2 | | Pb-free Halide free | Active | | | | | | | | | ODCSP-69 |
| AR0144CSSC00SUKA0-CRBR | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | RGB | ODCSP-69 |
| AR0144CSSC00SUKA0-CRBR1 | | Pb-free Halide free | Active | | | | | | | | | ODCSP-69 |
| AR0144CSSC20SUD20 | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | RGB | |
| AR0144CSSC20SUKA0-CPBR | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | RGB | ODCSP-69 |
| AR0144CSSC20SUKA0-CRBR | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | RGB | ODCSP-69 |
| AR0144CSSM00SUD20 | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | Mono | |
| AR0144CSSM00SUKA0-CPBR | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | Mono | ODCSP-69 |
| AR0144CSSM00SUKA0-CPBR1 | | Pb-free Halide free | Active | | | | | | | | | ODCSP-69 |
| AR0144CSSM00SUKA0-CPBR2 | | Pb-free Halide free | Active | | | | | | | | | ODCSP-69 |
| AR0144CSSM00SUKA0-CRBR | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | Mono | ODCSP-69 |
| AR0144CSSM20SUD20 | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | Mono | |
| AR0144CSSM20SUKA0-CPBR | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | Mono | ODCSP-69 |
| AR0144CSSM20SUKA0-CPBR1 | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | Mono | ODCSP-69 |
| AR0144CSSM20SUKA0-CRBR | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | Mono | ODCSP-69 |
| AR0144CSSM20SUKA0-CRBR1 | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 inch | Global Shutter | 3.0 x 3.0 | Multi | Mono | ODCSP-69 |
| AR0144CSSM28SUD20 | | Pb-free Halide free | Active | CMOS | 1MP | 60 | 1/4 Inch | Global Shutter | 3.0 x 3.0 | Multi | Mono | |
| AR0144CSSM28SUKA0-CPBR | | Pb-free Halide free | NEW | | | | | | | | | ODCSP-69 |

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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