

产品概览

KAI-04050: Interline Transfer CCD Image Sensor, 4.1 MP

欲看完整文档，请参阅数据表。

EOL has been announced for this device

The KAI-04050 Image Sensor is a 4-megapixel CCD in a 1" (16 mm diagonal) optical format. Based on an advanced 5.5 micron Interline Transfer CCD Platform, the sensor features broad dynamic range, excellent imaging performance, and a flexible readout architecture that enables use of 1, 2, or 4 outputs. The sensor supports full resolution readout up to 32 frames per second, while a Region of Interest (ROI) mode enables partial readout of the sensor at even higher frame rates. A vertical overflow drain structure suppresses image blooming and enables electronic shuttering for precise exposure control.

The sensor is available with a Sparse Color Filter Pattern, a technology which provides a 2x improvement in light sensitivity compared to a standard color Bayer part.

The sensor shares common pin-out and electrical configurations with other devices based on the 5.5 micron Interline Transfer CCD Platform, allowing a single camera design to support multiple members of this sensor family.

特性

- Monochrome, Bayer Color, and Sparse Color Filter Pattern configurations
- Progressive scan readout
- Flexible readout architecture
- High frame rate
- High sensitivity
- Low noise architecture
- Excellent smear performance
- Package pin reserved for device identification

应用

- Intelligent Transportation Systems
- Machine Vision
- Medical
- Scientific

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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