

产品概览

KAI-29052: Interline Transfer CCD Image Sensor, 29 MP

欲看完整文档，请参阅数据表。



EOL has been announced for this device

The KAI-29052 Image Sensor is a 29 Megapixel CCD in a 35 mm optical format that provides increased Quantum Efficiency (particularly for NIR wavelengths) compared to members of the standard 5.5 μm family.

The sensor shares the same broad dynamic range, excellent imaging performance, and flexible readout architecture as other members of the 5.5 μm pixel family. However, QE at 820 nm has been approximately doubled compared to existing devices, enabling enhanced sensitivity without a corresponding decrease in the Modulation Transfer Function (MTF) of the device.

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

The KAI-29052 is drop-in compatible with the KAI-29050 Image Sensor, simplifying adoption by camera manufacturers currently working with the KAI-29050.

特性

- Progressive scan readout
- Monochrome, Bayer Color, and Sparse Color Filter Pattern configurations
- Flexible readout architecture
- Increased QE, with 2x improvement at 820 nm
- High frame rate
- Low noise architecture
- Excellent smear performance
- Package pin reserved for device identification

应用

- Image Capture

终端产品

- Machine Vision camera
- Security / Surveillance camera
- Medical Imaging camera
- Industrial Imaging / Inspection camera

欲了解更多信息，请联系您当地的销售支援 www.onsemi.cn。

创建于：6/2/2020