

Product Overview

KAI-01050: Interline Transfer CCD Image Sensor, 1 MP

For complete documentation, see the data sheet.

EOL has been announced for this device

The KAI-01050 Image Sensor is a 1-megapixel CCD in a 1/2" (8 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 for full resolution readout up to 120 frames per second. A vertical overflow drain structure suppresses image blooming and enables electronic shuttering for precise exposure control. Other features include low dark current, negligible lag, and low smear.

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.

Features

- Color or Monochrome configurations
- Progressive scan readout
- Flexible readout architecture
- High frame rate
- High sensitivity
- Low noise architecture
- Excellent smear performance

Applications

- Machine Vision
- Medical
- Scientific

For more information please contact your local sales support at www.onsemi.com.

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