

Product Overview

KAF-1001: Full Frame CCD Image Sensor, 1.0 MP

For complete documentation, see the data sheet.

EOL has been announced for this device

The KAF-1001 Image Sensor is a high-performance charge-coupled device (CCD) designed for a wide range of image sensing applications.

The sensor incorporates true two-phase CCD technology, simplifying the support circuits required to drive the sensor as well as reducing dark current without compromising charge capacity. The sensor also utilizes a Transparent Gate Electrode to improve sensitivity compared to the use of a standard front side illuminated polysilicon electrode.

Selectable on-chip output amplifiers allow operation to be optimized for different imaging needs: Low Noise (when using the high-sensitivity output) or Maximum Dynamic Range (when using the low-sensitivity output).

Features

- True Two Phase Full Frame Architecture
- Transparent Gate Electrode for high sensitivity
- 100% Fill Factor
- Low Dark Current
- Single Readout Register
- User-selectable outputs allow either Low Noise or High Dynamic Range operation

Applications

- Medical
- Scientific

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

Created on: 10/17/2019