



Product Overview

KLI-2104: Linear CCD Image Sensor

For complete documentation, see the data sheet

Product Description

The KLI-2104 Image Sensor is a high dynamic range, multi-spectral, linear solid-state image sensor designed for demanding color scanning applications.

The KLI-2104 contains three parallel linear photodiode arrays, each with 2098 active photosites for the detection of R, G, and B signals. A fourth channel, comprised of 4196 pixels, provides high resolution luminance information. This combination allows the KLI-2104 to provide high resolution scans with accurate color reproduction.

The device offers high sensitivity, low noise, and negligible lag.

Features

- Quadri-Linear Color Array design (G, R, B, L) for high resolution with accurate color reproduction
- High sensitivity photosites
- Low noise design with negligible image lag
- Pixel-summing support for extended sensitivity and dynamic range
- 5.0 V clock inputs with two-phase register clocking
- Choice of Multi-layer Antireflective Coated (MAR) or Clear Coverglass

Applications

- Digitization
- Photography

Part Electrical Specifications

Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (μm)	Color	Package Type
KLI-2104-DAA-EB-AA	Pb-free Halide free	Active	Linear CCD						RGB	CDIP-32
KLI-2104-DAA-EB-AE	Pb-free Halide free	Active	Linear CCD						RGB	CDIP-32
KLI-2104-DAA-ED-AA	Pb-free Halide free	Active	Linear CCD						RGB	CDIP-32
KLI-2104-DAA-ED-AE	Pb-free Halide free	Active	Linear CCD						RGB	CDIP-32

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

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