



Product Overview

KLI-4104: Linear CCD Image Sensor

For complete documentation, see the data sheet

Product Description

The KLI-4104 Image Sensor is a multi-spectral, linear solid-state image sensor for color scanning applications where fast high resolution is required. The imager consists of three parallel linear photodiode arrays, each with 4080 active photosites for the output of R, G, and B signals. The sensor contains a fourth channel for luminance information. This array has 8160 pixels segmented to transfer out data through one of four luminance outputs. This device offers high sensitivity, high data rates, low noise and negligible lag. Individual electronic exposure control for each of the Chroma and the Luma channel is provided, allowing the KLI-4104 sensor to be used under a variety of illumination conditions.

Features

- Quad-linear array(G,R,B,L)
- High resolution: Luma(monochrome) array with 5 μm pixels with 8160 count.
- Luma channel has 4 outputs approaching 120 MHz data rate.
- High resolution: color (RGB) array with 10 μm pixels with 4080 count.
- Each color channel has 1 output approaching 30 MHz data rate.
- No Image Lag
- Two-Phase Register Clocking
- On-Ship Dark Reference
- Electronic exposure control

Applications

- Machine Vision

Part Electrical Specifications

Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (μm)	Color	Package Type
KLI-4104-AAA-CB-AA	Pb-free Halide free	Active	Linear CCD						Mono	CDIP-46
KLI-4104-AAA-CB-AE	Pb-free Halide free	Active	Linear CCD						Mono	CDIP-46
KLI-4104-AAA-CP-AA	Pb-free Halide free	Active	Linear CCD						Mono	CDIP-46
KLI-4104-AAA-CP-AE	Pb-free Halide free	Active	Linear CCD						Mono	CDIP-46
KLI-4104-DAA-CB-AA	Pb-free Halide free	Active	Linear CCD						RGB	CDIP-46
KLI-4104-DAA-CB-AE	Pb-free Halide free	Active	Linear CCD						RGB	CDIP-46
KLI-4104-DAA-CP-AA	Pb-free Halide free	Active	Linear CCD						RGB	CDIP-46
KLI-4104-DAA-CP-AE	Pb-free Halide free	Active	Linear CCD						RGB	CDIP-46

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