Product Overview

KLI-4104: Linear CCD Image Sensor

For complete documentation, see the data sheet.

EOL has been announced for this device

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

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

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