



Product Overview

LUPA1300-2: CMOS Image Sensor, High Speed

For complete documentation, see the data sheet

Product Description

LUPA1300-2 is an integrated SXGA high speed, high sensitivity CMOS image sensor. This sensor targets high speed machine vision and industrial monitoring applications. The LUPA1300-2 sensor runs at 500 fps and has triggered and pipelined shutter modes. It packs 24 parallel 10-bit A/D converters with an aggregate conversion rate of 740 MSPS. On-chip digital column FPN correction enables the sensor to output ready to use image data for most applications.

Features

- Integrated digital column FPN correction
- Runs at 500 fps and has triggered and pipelined shutter modes
- 24 parallel 10-bit A/D converters with an aggregate conversion rate of 740 MSPS
- Industrial monitoring

Benefits

- Enables the sensor to output ready to use image data

Applications

- High speed machine vision

Part Electrical Specifications

Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
NOIL2SC1300A-GDC	Pb-free Halide free	Active	CMOS	1.3	500	1 inch	Pipelined and Triggered Global	14 x 14		Color	CPGA-168
NOIL2SM1300A-GDC	Pb-free Halide free	Active	CMOS	1.3	500	1 inch	Pipelined and Triggered Global	14 x 14		Mono	CPGA-168
NOIL2SM1300A-GWC	Pb-free Halide free	Active	CMOS	1.3	500	1 inch	Pipelined and Triggered Global	14 x 14		Mono	CPGA-168

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

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