



Product Overview

LUPA4000: CMOS Image Sensor, High Speed, 4 Megapixel

For complete documentation, see the [data sheet](#)

Product Description

LUPA4000 is a CMOS image sensor (CIS) with a 4.0 megapixel resolution 2048 x 2048 pixel format. LUPA4000 features synchronous shutter and a maximal frame rate of 15 fps in full resolution. The readout speed can be boosted by subsampling and windowed ROI readout. High dynamic range scenes can be captured using the double and multiple slope functionality.

Features

- 4.0 megapixel resolution, 2048 x 2048 pixel format
- Synchronous shutter and a maximal frame rate of 15 fps in full resolution
- Readout speed can be boosted by subsampling and windowed ROI readout
- Double and multiple slope functionality
- Available in mono or color

Applications

- Intelligent traffic system
- High speed machine vision

Part Electrical Specifications

Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Color	Package Type
NOIL1SC4000A-GDC	Pb-free Halide free	Active	CMOS	4	15	35 mm	Pipelined Global	12 x 12	Color	CPGA-127
NOIL1SM4000A-GDC	Pb-free Halide free	Active	CMOS	4	15	35 mm	Pipelined Global	12 x 12	Mono	CPGA-127

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

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