

## Product Overview

### XGS 9400: CMOS Image Sensor, 9.4 MP, Global Shutter

For complete documentation, see the data sheet.

The XGS 9400 is a 9.4 Mp (3072 x 3072) CMOS image sensor in 1 inch optical format, supporting up to 90 frame per second readout with 12-bit output at full resolution and a 1:1 aspect ratio.

The device provides high resolution, global shutter imaging with high readout speed for industrial imaging customers. A compact package design and low power footprint make the device compatible with a 29 x 29 mm<sup>2</sup> camera footprint. Two speed grades are available to match device output to key computer interfaces and application requirements.

The XGS 9400 shares a common design and footprint with other members of the XGS family, allowing one camera design to support multiple resolutions to simplify and speed time to market for new camera designs.

The XGS 9400 is available in a 163-pin LGA package in both monochrome and Bayer color configurations.

#### Features

- Advanced 3.2  $\mu\text{m}$  global shutter pixel
- Energy efficient design
- Compact package
- Available speed grades

#### Applications

- Image capture

#### Benefits

- High resolution with high image quality and uniformity
- Reduced power and thermal footprints
- Compatible with 29 x 29 mm<sup>2</sup> camera design
- Match to key computer interfaces and application requirements

#### End Products

- Industrial cameras and systems
- Machine Vision camera
- Inspection system (food, bottles, recycling labels, etc.)
- Security cameras and systems
- Microscopy

## Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
NOIX1SE9400B-LT1		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	9.4	90	1 inch	Global Shutter	3.2 x 3.2	HiSPi™	Bayer Color	CLGA-163
NOIX1SE9400B-LT11		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	9.4	90	1 inch	Global Shutter	3.2 x 3.2	HiSPi™	Bayer Color	CLGA-163
NOIX1SN9400B-LT1		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	9.4	90	1 inch	Global Shutter	3.2 x 3.2	HiSPi™	Mono	CLGA-163
NOIX1SN9400B-LT11		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	9.4	90	1 inch	Global Shutter	3.2 x 3.2	HiSPi™	Mono	CLGA-163
NOIX2SE9400B-LT1		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	9.4	56	1 inch	Global Shutter	3.2 x 3.2	HiSPi™	Bayer Color	CLGA-163
NOIX2SE9400B-LT11		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	9.4	56	1 inch	Global Shutter	3.2 x 3.2	HiSPi™	Bayer Color	CLGA-163
NOIX2SN9400B-LT1		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	9.4	56	1 inch	Global Shutter	3.2 x 3.2	HiSPi™	Mono	CLGA-163
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