

Product Overview

XGS 2000: CMOS Image Sensor, 2.3 MP, Global Shutter

For complete documentation, see the data sheet.

Advance Information

The XGS 2000 is a 2.3 Mp (1920 x 1200) CMOS image sensor in 1/1.25 inch optical format, supporting up to 220 frames per second readout with 12-bit output at full resolution.

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 mm² camera footprint. Two speed grades are available to match device output to key computer interfaces and applications requirements.

The XGS 2000 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 2000 is available in a 163-pin iLGA package in both monochrome and Bayer color configurations.

Features

- Energy efficient design
- Advanced 3.2 μm global shutter pixel
- Compact package
- Available speed grades

Benefits

- Reduced power and thermal footprints
- High resolution with high image quality and uniformity
- Compatible with 29 x 29 mm² camera design
- Match to key computer interfaces and application requirements

Applications

- Image Capture

End Products

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

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
NOIX4SE2000B-LTI-E		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	2.3	220	1/1.25 inch	Global Shutter	3.2 x 3.2	HiSPi™	Bayer Color	ILGA163 16x16
NOIX4SN2000B-LTI-E		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	2.3	220	1/1.25 inch	Global Shutter	3.2 x 3.2	HiSPi™	Mono	ILGA163 16x16

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

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