

Product Overview

XGS 3000: CMOS Image Sensor, 3.2 MP, Global Shutter

For complete documentation, see the data sheet.

Advance Information

The XGS 3000 is a 3.2 Mp (2592 x 2048) CMOS image sensor in 1.2 inch optical format, supporting up to 175 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.

The XGS 3000 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 3000 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

Benefits

- Reduced power and thermal footprints
- High resolution with high image quality and uniformity
- Compatible with 29 x 29 mm² camera design

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
NOIX4SF3000B-LTI		Pb-free Halide free non AEC-Q and PPAP	NEW									ILGA163 16x16

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

Created on: 10/9/2020