Product Overview

XGS 30000: CMOS Image Sensor, 29.8 Mp, Global Shutter

For complete documentation, see the data sheet.

Advance Information

The XGS 30000 is a 29.8 Mp (5460 x 5460) CMOS image sensor in APS-C optical format with 1:1 (square) aspect ratio, supporting up to 48 frame per second readout with 12-bit output at full resolution.

The device provides high resolution, global shutter imaging with high readout speed and a low power footprint for industrial imaging customers. Two speed grades are available to match device output to key computer interfaces and application requirements.

The XGS 30000 shares a common design and footprint with other members of the XGS family, such as the XGS 20000 or XGS 45000, allowing one camera design to support multiple resolutions to simplify and speed time to market for new camera designs.

The XGS 30000 is available in a 251-pin µPGA package in both monochrome and Bayer color configurations.

Features

- Advanced 3.2 µm global shutter pixel
- Energy efficient design
- Available speed grades
- 1:1 (square) aspect ratio

Benefits

- High resolution with high image quality and uniformity
- Reduced power and thermal footprints
- Match to key computer interfaces and application requirements
- Maximize image capture within lens optical circle

Applications

- Image capture

End Products

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

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
NOIX0SE030KB-GTI-E		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	29.8	48	APS-C	Global Shutter	3.2 x 3.2	HiSPi™	Bayer Color	CPGA251 44.40x37.25
NOIX0SN030KB-GTI-E		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	29.8	48	APS-C	Global Shutter	3.2 x 3.2	HiSPi™	Mono	CPGA251 44.40x37.25

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