



GMAX2424BSI

24 MP ROLLING SHUTTER IMAGE SENSOR

The **GMAX2424BSI** is a back-illuminated rolling shutter CMOS image sensor featuring a diagonal size of 17.47 mm and an effective resolution of 24.64 MP. It has a pixel size of 2.403 μm and offers high sensitivity, low noise, and high dynamic range. Combined with features such as global reset and low-power mode, the **GMAX2424BSI** presents an ideal choice for industrial inspection applications.

This sensor incorporates sub-LVDS and MIPI interfaces, supporting a high data rate of up to 1.2 Gbps per lane, and delivers a maximum frame rate of 60 fps in 10 bit sub-LVDS mode and 17 fps in 10 bit MIPI mode, providing an efficient and stable solution for high-speed industrial inspection and similar applications. The **GMAX2424BSI** is housed in a 176 pins ceramic LGA package. Its pinout is compatible with the GMAX3412 and GMAX3405 products, facilitating development efficiency.



Key Features and Benefits

- ▶ 2.4 μm Rolling Shutter Pixel
- ▶ High Dynamic Range and Sensitivity
- ▶ Footprint-Compatible with GMAX3405 and GMAX3412
- ▶ MIPI & sLVDS Data Interface

Application

- ▶ Automation Inspection
- ▶ Metrology
- ▶ Life Sciences
- ▶ Logistics and Barcode Reading

