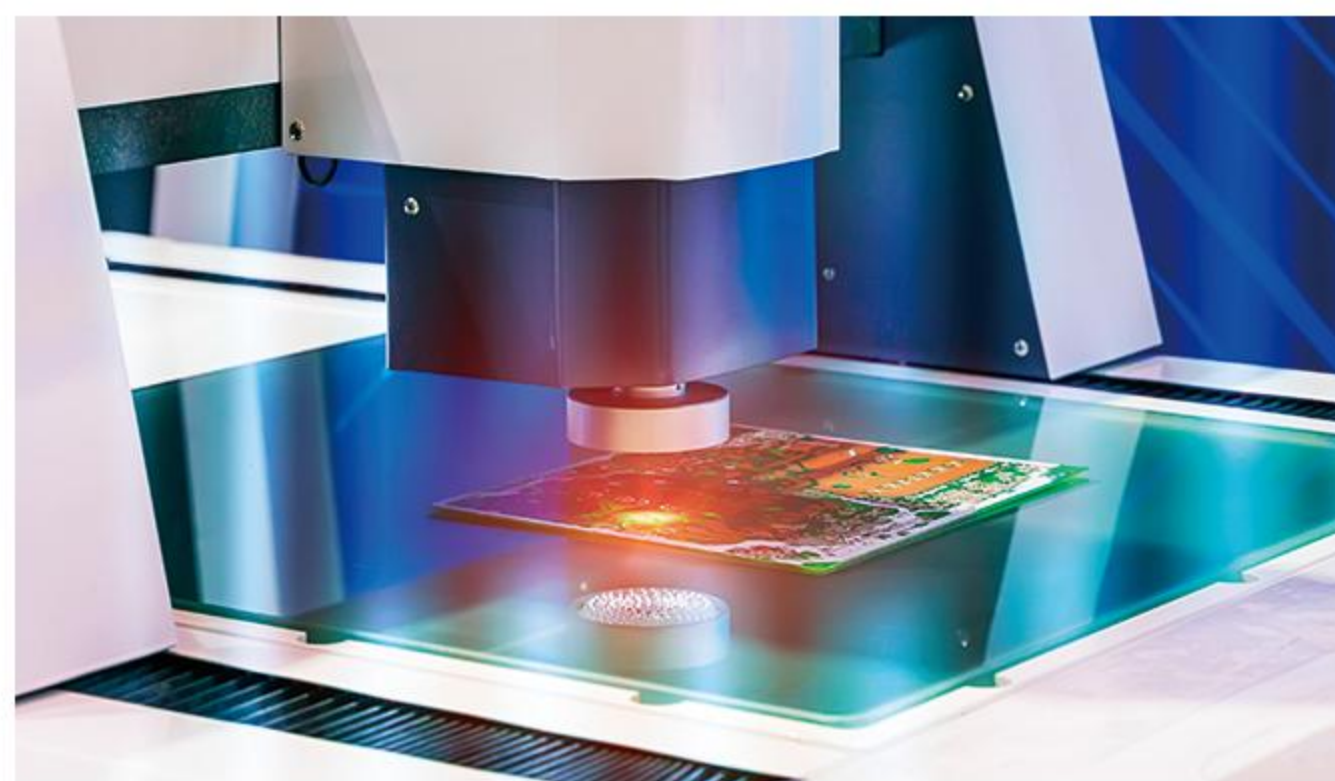


GMAX Series

GLOBAL SHUTTER IMAGE SENSORS WITH
RESOLUTION UP TO 271MP

GMAX HIGH RESOLUTION

GMAX is Gpixel's global shutter sensor family, designed to take full advantage of high-speed industrial camera interfaces while providing the performance and features required for imaging-as-measurement applications like factory inspection, automation, traffic monitoring and aerial mapping. In the GMAX portfolio, Gpixel offers global shutter pixel sizes ranging from 1.5 μm to 6.4 μm and resolutions from 2.4 MP to 271 MP. Four C-Mount compatible sensors utilizing a 2.5 μm pixel are pin and footprint compatible for easy integration.



Product Family Features

- ✓ High Frame Rates
- ✓ High Data Rates
- ✓ Flexible ROI read out
- ✓ High Resolution
- ✓ Industry standard sub LVDS outputs with channel multiplexing
- ✓ Optical Black columns and rows
- ✓ On-chip sequencer and SPI control
- ✓ One Time Programmable memory (OTP)

Applications

- ✓ Automation
- ✓ PCB Inspection
- ✓ FPD Inspection
- ✓ Aerial Imaging
- ✓ Video Broadcasting

CMOS Image Sensors	Resolution	Pixel Size (μm ²)	Optical Format	Shutter Type	PLS (dB)	Peak QE	FWC Max(ke ⁻)	Temporal Noise Min (e ⁻)	DR Max (dB)	ADC (bit)	Max Frame Rate(fps)
GMAX4651 	8424 x 6032	4.6 x 4.6	Full Frame 47.7 mm	Global	- 92.0	67% (510 nm)	18	7.6	65.5	12	30
GMAX3265 	9344 x 7000	3.2 x 3.2	APS-H 37.4 mm	Global	- 83.5	65% (500 nm)	10.6	1.9	66	12/10	71
GMAX32103 	11276 x 9200	3.2 x 3.2	Medium 46.6 mm	Global	-83.5	67% (500 nm)	9	4.3	66.4	12	24
GMAX32152 	16556 x 9200	3.2 x 3.2	Medium 60.6 mm	Global	-83.5	67% (500 nm)	9.3	4	67.3	12	16
GMAX15271BSI 	19376 x 14000	1.5 x 1.5	APS-H 35.9 mm	Rolling	-	77% (520 nm)	5.4	1.1	73.8	14/12	8.5

GPIXEL CHINA CHANGCHUN (HQ)
 Building 5, Optoelectronic Information
 Industrial Park, 7691 Ziyou Road,
 130033 Changchun, Jilin, China
 Phone: +86-431-85077785

GPIXEL EUROPE
 Gpixel NV
 Copernicuslaan 60, 2018
 Antwerpen, Belgium
 Phone: +32-33034442

GPIXEL JAPAN
 Gpixel Japan Co., Ltd.
 TOC Osaki Building 18th Floor, 1-6-1 Osaki,
 Shinagawa-ku, Tokyo, 141-0032 Japan
 Phone: +81-03-5962-1600



All rights reserved.
 Subject to change without notice