

2009 Image Sensors

Optoelectronics, Sensors, Discretes, MEMS Markets – Worldwide



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Abstract

The image sensor market is a piece of the much larger optoelectronics sector and is widely used to capture images in cameras, mobile phones, and cars. The optoelectronics market is a \$17 billion market and is growing at an average annual growth rate of 15 percent each year for revenue and 22 percent each year for unit shipments. That translates to an eroding average selling price as demand for lower cost devices such as LEDs tips the pricing scale downward.

Databeans divides the optoelectronics market into eight different product segments within that include Image Sensors, LEDs, Displays, Couplers, Infrared Devices, Laser Pickups, Laser Transmitters, and Other Optoelectronics. Image sensors make up the majority share of the world's optoelectronics revenue with 38 percent share, followed by LEDs with 29 percent share. Databeans Estimates that the global optoelectronics market is growing at a compound annual growth rate of 15 percent on average and it is expected to reach over \$34 billion by 2014.

Despite a decline of 13 percent from 2008 revenue, Databeans projects that image sensors will remain the single largest optoelectronics market in 2009 with 38 percent of the market, the majority of these sales were the result of consumption in both the digital camera and mobile phone camera sectors. Image sensors are critical to the function of digital camera technology as the sensor has to function as part of a camera module system consisting of a lens, infrared filter, and lens barrel.

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