



## **PANAVISION IMAGING ANNOUNCES: THE RPLIS-EX LINE SCAN CMOS IMAGE SENSOR**

**Line Scan Sensor For Barcode, Touch Screen, OCR, Machine Vision, Measurement And Other Applications For Consumer, Industrial, Automotive, And Scientific Markets.**

Homer, New York, USA, April 14, 2008 – Panavision Imaging LLC has announced the RPLIS-EX image sensor with analog and digital video outputs. The new sensor has low Fixed Pattern Noise (FPN) and high dynamic range, which enables the Auto Dynamic Threshold (ADT™) to output a one bit digital video, like bar code without any external circuitry. The on-chip ADT function enables low cost barcode, touch screen, and measurement applications.

The low profile and small die size, in conjunction with extremely low power consumption of just 8 mW during readout and microwatts during standby, enables an eco-friendly small form factor needed for today's mobile applications.

RPLIS-EX has 2048 pixels that are 4 micron X 32 micron in size. Element rate is from 100KHz to 2.5MHz, and utilizes a full frame electronic shutter. The new full frame shutter allows integration during readout and is extremely tolerant of overload conditions allowing outdoor use.

ADT threshold is automatically derived from either three, six or nine pixels and the threshold has selectable hysteresis. Alternately the ADT can utilize an externally provided threshold or select one of sixteen internal fixed thresholds. The RPLIS-EX sensor is user programmable via a 3-wire serial interface and is combined with patented high speed and Active Column Sensor™ (ACS®) technologies to enable a powerful imaging solution for the most demanding applications.

Volume pricing for the RPLIS-EX in a 16 pin LCC package is under \$3.5 USD. RPLIS-EX is available now and is available in a USB connected demonstration kit.

### **About Panavision Imaging:**

Based in Homer, New York, Panavision Imaging, LLC is a pioneering innovator and developer of high performance image sensors and related technology. The company's products are based on several patented and patent pending technologies including (ACS®), XtremePIX®, D/AD™, and others. Offering sensors in 2D array, line scan and custom, their products are found in many low to high-end imaging applications, serving the consumer, commercial, scientific and industrial markets. For more information and a data sheet, please visit [www.PanavisionImaging.com](http://www.PanavisionImaging.com).

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