

INDUSTRIAL NEWS

SURVEILLANCE | INDUSTRIAL | CUSTOM & OEM CAMERAS

SUMMER 2017 EDITION

PRODUCT SPOTLIGHT



AVAILABLE NOW: LUMENERA Lt545R CAMERA

*High Speed, Global Shutter, 5 MP
CMOS USB 3.0 Camera with P-Iris
Connector*

Sony's latest Pregius global shutter CMOS sensors combine the benefits of both CCD and CMOS in a pixel design resulting in impressive performance. The Pregius sensors have an analog pixel design similar to a CCD, but with the back end resembling a CMOS sensor. This architecture takes the advantages of a CCD sensor (accurate color reproduction, low noise, and high dynamic range) along with all the digital advantages of a CMOS sensor (built-in analog-to-digital conversion, image correction, digital output and high framerates) to produce a low-power, low-cost alternative to traditional CCD sensors.

The Lt545R camera uses the high performance global shutter CMOS IMX250 sensor from Sony for optimal image output while operating at very fast frame rates. Using Lumenera's proven USB 3.0 technology, the Lt545R provides the fastest full resolution images possible from the Sony Pregius sensors when coupled with USB 3.0.

For more information [visit our website](#), or contact [Lumenera](#).

FEATURED WHITE PAPER



GETTING IT RIGHT: SELECTING A LENS FOR A VISION SYSTEM

*A Comprehensive Technical Guide
to Selecting a Lens to Meet the
Unique Requirements of Your
Vision System*

Selecting the right lens for a vision system is a critical step to ensure performance is maximized. This guide highlights the steps required to pair a lens with a camera so that they work together as the respective lens and camera designers intended. It covers practical examples to further demonstrate how to select a lens based on working distance, focal length, lens resolution, and camera sensor size. It also explains why lens quality is important and how poor lens selection can negatively impact overall vision

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COLLATERAL LINKS

[Industrial & Scientific Camera Brochure](#)[USB 3.0 Camera Brochure](#)[Traffic Brochure](#)[SDK Brochure](#)

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UPCOMING EVENTS

system performance.

Finally, it outlines other considerations such as available light, iris control, and multispectral imaging. A lens shopping list with system geometry equations is also included to make the lens selection process as easy as possible.

[Download the White Paper](#)

EVENTS - WHERE WE'VE BEEN



AUTOMATE 2017

In April 2017, Lumenera exhibited at Automate 2017 and featured our [Lt29059 high performance camera](#) and our [Pregius global shutter CMOS camera](#).

ITS World Congress 2017
Lumenera will be exhibiting at booth # 2428

October 29 –
November 2, 2017
Montreal, Quebec,
Canada

itsworldcongress.org

Check out our [Event page](#) to see where we will be in 2017!



AUVSI XPONENTIAL 2017

At AUVSI XPONENTIAL 2017, Lumenera demonstrated multispectral imaging for applications such as food, textile, and PCB inspection, as well as precision agriculture with NDVI with our [Pregius global shutter CMOS cameras](#).

CAREERS AT LUMENERA



Lumenera was recognized two years in a row as one of the National Capital Region's Top 25 Employers, and is proud to offer a rewarding workplace for our valued employees.

We are currently looking to fill the following positions:

[Director of Product Management](#)

For more information on Lumenera as an employer and how to apply, visit our [Careers page](#).

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