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Selecting the Best Sensor for Your Machine Vision System

Tuesday, April 24, 2018 1:00 PM - 2:00 PM EDT

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About This Webinar

In this webinar, you will learn how to determine what type of sensor is best for your machine vision system. Specifically, you will learn:

How to "do the math" in order to make sure your sensor has the resolution you need to find defects of a certain size.

What to look for in sensor quality - what a sensor can do for you (and, just as importantly, what it cannot do).

The importance of other components, including the lens, camera and lighting. The importance of not being too "camera-centric".

How to set up a simple benchtop prototype and test your sensor.

The sensor is a central component of any machine vision system. The type of sensor and features it provides will affect overall image quality. Learn how to specify the features you need in a sensor to achieve the desired performance.

About the presenter:

Tom Brennan is an AIA Advanced Level Certified Vision Professional and is founder and senior engineer of Artemis Vision, a machine vision software and integration company headquartered in Denver. He has successfully delivered numerous industrial machine vision systems as well as prototyped successful medical imaging devices, and designed machine vision vehicle detection algorithms implemented as part of the DARPA Urban Challenge for American autonomous vehicles. Brennan, who has a computer software background with specific experience in image and video processing, is a graduate of Princeton University with a BSE in Computer Science. In May 2017, Brennan presented a Photonics Media webinar on [Introduction to Machine Vision Software](#), available for viewing on demand.

Who should attend:

Engineering and technical professionals in industry who are planning, evaluating, implementing and/or working with a machine vision system will benefit from this presentation. Anyone who wants to gain a better understanding of sensors, the role they play in machine vision, and the trade-offs to consider when choosing a sensor will benefit from attending Brennan's presentation.

This webinar is sponsored by [Teledyne DALSA](#), an international leader in high-performance digital imaging and semiconductors.

In advance of the webinar, we spoke with Tom briefly about why companies implement machine vision, and why the sensor is an important component of a successful machine vision solution. Listen to this five-minute interview [here](#).



Mark Your Calendar

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Required: Windows® 10, 8, 7, Vista, XP or 2003 Server

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Required: Mac OS® X 10.6 or newer

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Required: iPhone®, iPad®, Android™ phone or tablet, Windows 8 or Windows Phone 8

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