TriSpector 3D Vision
Basic Configuration Training

SICK LifeTime Services Training Course

Description

This course will cover the mounting, wiring, image capturing and the basics of how to use TriSpector tools to develop 3D vision sensor solutions using SICK SOPAS. This course is designed for those implementing and tuning the inspection process using TriSpector 3D vision solutions, including the TriSpector1060, 1030 and 1008 models. The instructor will share presentations and product demonstrations using either an online meeting tool, or when delivered at customer site or at the SICK North American Training Center, a hands on learning experience. Exercise tasks will be used to monitor participant's competency as the training progresses.

Objectives

- Increase the understanding of when to apply 3D vision products to develop solutions for inspecting products
- Acquire the knowledge necessary to wire and mount the TriSpector1000
- SOPAS Basics
- Develop the skills necessary to acquire a good image in a few simple steps
- Develop a trigger configuration capable of executing a reliable image capture
- Acquire the knowledge to configure the TriSpector for a successful Ethernet network connection
- Acquire basic knowledge of the TriSpector tool set. Identify which tool(s) are most likely to complete an inspection task.
- Acquire application knowledge through a series of hands-on exercises solving 3D vision problems
- Acquire troubleshooting skills to identify proper function and correct performance issues if necessary

Course Benefits

- Acquire the knowledge necessary to wire and mount a TriSpector in less than 10 minutes
- Acquire the skills necessary to minimize the time necessary to acquire a good image
- Select the best method of trigger configuration capable of executing a reliable image capture in a minimum of time
- Configure the TriSpector Ethernet network connection in less than 10 minutes
- Minimize application solution configuration time by increasing knowledge of the TriSpector tool set
- Develop troubleshooting skills to identify unacceptable operation and correct problems, getting a system back to normal operation in a minimum of time
- Develop the knowledge necessary to evaluate if a TriSpector needs replacement and be able to replace a product in less than 10 minutes

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Target Audience
Engineers and Technicians that will be responsible for setting up and modifying 3D vision solutions using the TriSpector

Prerequisites
None, but those with previous vison sensor experience will benefit the most from this course

Recommended Additional Course
None

Duration
8 Hours

Class Size
Maximum of 6

Where Offered
- Customer site
- SICK North American Training Center
- Online meeting

Format
Presentation, demonstration, and exercises/quizzes

Testing Available
Yes

Customer Required Materials
For training at customer site, at a minimum, for every two participants:
- PC with SICK SOPAS software installed prior to attending
- Minimum of two (2) 110 VAC outlets

For virtual training:
- PC with SICK SOPAS software installed prior to attending
- Online meeting tool installed (if necessary) prior to attending

Logistics
The following must be made available for the duration of the training:
- A suitable training room/area
- For in-person training at customer site or at the SICK North American Training Center, SICK provides hardware workstations for the hands-on experience

Failure to have the customer required material and/or logistics available may lead to ineffective training and may result in the class not being able to achieve the described objectives and course benefits.

Part Number
1612206

Travel expenses additional. Please contact SICK for information.

SICK Training & Education
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SICK offers several types of training programs to help you learn more about our innovative products and systems. Many of our training modules offer hands-on, real-world application examples and problem-solving experiences. Please visit our website at http://www.sickusa.com for more information.

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