

CLV6xx Auto Focus Control Configuration Training

SICK LifeTime Services Training Course



Description

Auto Focus Control allows a bar code scanner to adapt automatically to different reading distances for variable circumstances. This feature is available in the CLV650 and CLV690 models and can essentially increase scanner overall reading depth of field and range. This training course will investigate, configure and execute Auto Focus Control parameters to improve variable application operating requirements.

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

- Understand when Auto Focus Control is needed
- Examine Auto Focus Control parameters
- Use SOPAS to configure and test Auto Focus Control parameters

Course Benefits

- Participants will become familiar with SOPAS configuration software and Auto Focus Control parameters
- Participants will learn the benefits and limitations of using Auto Focus Control to increase a scanner's depth of field
- Participants will learn how to use the Background Display Analysis tool to quickly configure Auto Focus Control and obtain maximum application performance

Auto Focus Options	
Preferred Distance	Default Focus Position
Default Position	500 mm
Focus hysteresis	50 mm
Focus debouncing	50 ms
Focus offset	0 mm

Auto Focus Strategy	
Focus strategy	Highest
Response Time	0 ms
Blanking width	50 mm
Osc. angle minimum	-20.0 degree
Osc. angle maximum	20.0 degree

Auto Focus Fields	
Minimum angle	-23 °
Maximum angle	23 °
Scanner related	<input checked="" type="checkbox"/>
Minimum RA	-500 mm
Maximum RA	500 mm
Minimum distance	100 mm
Maximum distance	1400 mm
Teached field	<input type="checkbox"/>

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Target Audience

Technical staff, maintenance engineers, integrators and plant engineers

Prerequisites

- CLV6xx Basic Configuration Training

Recommended Additional Course

- CLV6xx Dynamic Focus Control Configuration Training

Duration

2 Hours

Class Size

Maximum of 8

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 SOPAS installed prior to attending
- Minimum of two (2) 110 VAC outlets

For virtual training:

- PC with SOPAS installed prior to attending
- Online meeting tool installed (if necessary) prior to attending

SICK furnishes scanner hardware and accessories for hands-on

Logistics

The following must be made available for the duration of the training:

- A suitable training room/area for the lecture portion of the training
- A projector with screen for use with a PC

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

1069301

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.