



InspectorP Rack Fine Positioning

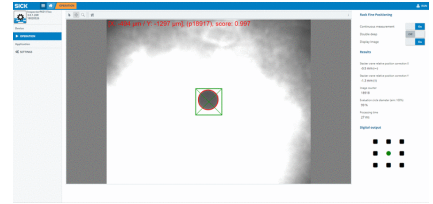
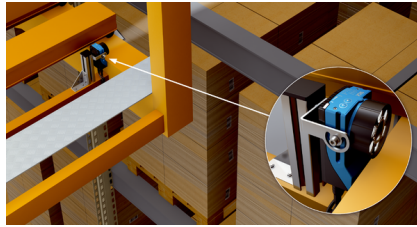
Fine positioning solution for single- and double-deep racking

2D MACHINE VISION

SICK
Sensor Intelligence.

Advantages

Save rack space to maximize storage capacity with high-precision positioning



InspectorP Rack Fine Positioning offers plug-and-play simplicity out of the box by including pre-assembled illumination, pre-focused optics and pre-installed software.

Allows using only holes for positioning, even with challenges such as stains or reflections.

Little to no training needed thanks to smart hardware features and simple web GUI.



The InspectorP Rack Fine Positioning is an easy-to-use yet flexible vision sensor that guides fine positioning of stacker cranes or other automated storage and retrieval systems.

SICK LifeTime Services

SICK's services increase machine and plant productivity, enhance the safety of people all over the world, provide a solid foundation for a sustainable business operation, and protect investment goods. In addition to its usual consulting services, SICK provides direct on-site support during the conceptual design and commissioning phases as well as during operation.

The range of services not only covers aspects like maintenance and inspection, but also includes performance checks as well as upgrades and retrofits. Modular or customized service contracts extend the service life of plants and therefore increase their availability. If faults occur or limit values are exceeded, these are detected at all times by the corresponding sensors and systems.



Consulting and design

Application-specific advice on the product, its integration and the application itself.



commissioning and maintenance

Application-optimized and sustainable — thanks to professional commissioning and maintenance by a trained SICK service technician.



service contracts

Extended warranty, SICK Remote Service, 24-hour helpdesk, maintenance, availability guarantees and other modular components can be individually combined on request.



Technical data overview

Sensor	CMOS matrix sensor, grayscale values				
Sensor resolution	1,280 px x 1,024 px (1.3 Mpixel)				
Light source	<table border="0"> <tr> <td>Internal lighting</td> <td>LED, Visible, White, 6,000 K, ± 500 K</td> </tr> <tr> <td>Adjustment aid</td> <td>Laser, Visible, Red, 630 nm ... 680 nm</td> </tr> </table>	Internal lighting	LED, Visible, White, 6,000 K, ± 500 K	Adjustment aid	Laser, Visible, Red, 630 nm ... 680 nm
Internal lighting	LED, Visible, White, 6,000 K, ± 500 K				
Adjustment aid	Laser, Visible, Red, 630 nm ... 680 nm				
Optical focus	Fixed focus				
Optical format	1/1.8"				
Operator interfaces	Web-Interface				
Control elements	2 buttons				
Ethernet	✓, TCP/IP, FTP, HTTP				
PROFINET	✓				
Configuration software	Web-Interface, PLC interface				
Dimensions	108 mm x 63 mm x 59 mm ¹⁾				

¹⁾ Including lens and protective hood.

Product description

The InspectorP Rack Fine Positioning is an easy-to-use yet flexible vision sensor that guides fine positioning of stacker cranes, or other automated storage and retrieval systems, in X and Y. The large measurement range allows for double-deep racking using the same sensor for both near and far range. Racks are reliably located using drilled holes only or reflectors, even with challenges such as stains or reflections. InspectorP Rack Fine Positioning offers plug-and-play simplicity out of the box by including pre-assembled illumination, pre-focused optics and pre-installed software.

At a glance

- Single- and double-depth rack storage using one device
- User-friendly web interface
- PROFINET and digital output
- Rugged metal housing including IP67 protective hood
- LEDs, laser alignment aid, on-device buttons and optional microSD memory card
- Pre-assembled, pre-focused and pre-configured
- Access to image data

Your benefits

- Save rack space to maximize storage capacity with high-precision positioning
- Handle near and far range in double-deep racking with only one sensor
- Compact, pre-configured, stand-alone device for easy mechanical integration without hardware adjustments
- Flexible system integration through multiple connectivity options
- Little to no training needed thanks to smart hardware features and simple web GUI
- Allows using only holes for positioning, even with challenges such as stains or reflections
- Image monitoring and logging of hard-to-reach places

Fields of application

- Fine positioning of stacker crane, or other automated storage and retrieval systems, in high-bay storage
- Double-deep or single-deep storage
- Stacking of pallets, boxes and totes in racks
- Retrofitting SICK DMP-2- and 3 installations
- Automatic parking garages

Ordering information

Other models and accessories → www.sick.com/InspectorP_Rack_Fine_Positioning

- **Products by tasks:** positioning
- **Internal lighting:** White
- **Sensor resolution:** 1,280 px x 1,024 px (1.3 Mpixel)
- **Sensor:** CMOS matrix sensor, grayscale values
- **Optical focus:** Fixed focus

Working distance	Type	Part no.
100 mm ... 350 mm 150 mm ... 700 mm	V2D631P- 2MISCB8S50	1101640
200 mm ... 1,950 mm	V2D631P- 2MWSEB8S50	1101157

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com