



Presence Inspection

Check presence inspection applications with ease using 2D and 3D machine vision

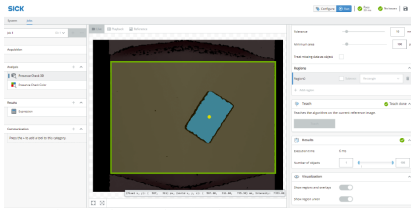
SICK
Sensor Intelligence.

Advantages

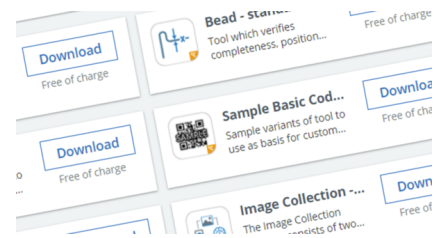
Extend the functionality of your vision camera with SICK Nova.



Presence Inspection toolset ensures that desired features are present and that undesired elements are not.



The check is implemented by configuring various image analysis tools via a graphical user interface in a web browser.



Expand functionality with Nova plug-in tools available in the SICK AppPool or quickly create a custom plug-in tool with the SICK Nova plug-in API.



The Presence Inspection toolset combines low investment costs and fast commissioning to improve yield, reduce scrap and increase customer satisfaction.

Presence Inspection on Visionary-T Mini and Visionary-S

Ready for operation in just a few steps with Nova



Hardware

Buy a Visionary-S AP or Visionary-T Mini AP

SensorApp

Download the corresponding Nova SensorApp from the SICK AppPool: Nova Visionary-S or Nova Visionary-T Mini

License

Buy and/or activate the Presence Inspection License



Technical data overview

Task	Presence inspection 3D stereo (depending on type)
Technology	3D snapshot Image analysis 3D snapshot, optical time-of-flight method 3D snapshot, stereo (depending on type)
Language	German English (depending on type)
Supported products	Visionary-T Mini AP Visionary-S AP (depending on type)
Minimum screen resolution	512 px x 424 px 1,366 px x 768 px
Supported browsers	Google Chrome (version 80 or higher)

Product description

The Presence Inspection toolset of SICK Nova ensures, for example, that the desired quality criteria for packaging contents have been met and no undesirable characteristics are present. The check is done using special tools for image analysis which are configured via a graphical user interface in a web browser. The support for tool plugins offers exceptional customization possibilities.

At a glance

- 2D and 3D machine vision check
- Presence inspection applications
- User-friendly interface launched from a web browser
- Quick customization with SICK Nova plug-in tools
- I/O and TCP/IP interface

Your benefits

- Automated analysis and verification of details for optimizing the production yield and speed
- Reliable inspection to reduce scrap and avoid downtime
- Satisfied customers thanks to high-quality products
- Eliminates monotonous, dangerous or dirty work so employees can focus on more satisfying tasks
- Cost-effectiveness due to smaller investment needs and fast commissioning
- Easy-to-use interface for practical and quick familiarization
- Many specific inspections can quickly be solved with custom tools
- Ability to create customized solutions

Fields of application

All stages of factory, logistics, and process automation where it must be ensured that desired objects are present and correctly placed or that undesired and foreign objects are reliably detected, for example:

- Checking the packaging content
- Checking the manufacturing and assembly
- Completeness or empty checking

Ordering information

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

- **Product family:** Presence Inspection

Description	Type	Part no.
The Nova Visionary-S SensorApp with Presence Inspection toolset uses 3D vision and 2D color tools to solve by simple means presence inspection applications in factory, logistics, and process automation. This ensures that desired objects are present and correctly positioned, or undesired and foreign objects are reliably detected.	Nova Visionary-S	On request
The Nova Visionary-T Mini SensorApp with Presence Inspection toolset uses 3D vision tools to solve by simple means presence inspection applications in factory, logistics, and process automation. This ensures that desired objects are present and correctly positioned, or undesired and foreign objects are reliably detected.	Nova Visionary-T Mini	On request
The Presence Inspection License gives the possibility to productively use a subset of the tools in a SICK Nova SensorApp. The Presence Inspection toolset is used to ensure that desired qualities or properties are present and undesired elements are not present.	Presence Inspection License	1128701

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