Quality Inspection
Your quality assurance needs quickly solved
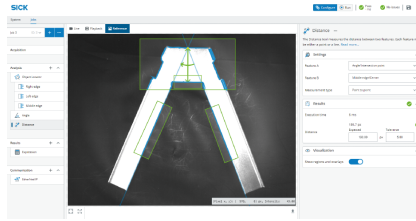
SICK
Sensor Intelligence.

Advantages

Special inspection needs quickly solved with customized tools

The Quality Inspection toolset ensures that produced items have the exact qualities required regarding presence and measurements of details.

Special inspection needs are quickly solved with a custom tool, rapidly created by anyone with a SICK AppSpace license.

Embedded training with pre-recorded images makes learning quick and convenient.

The Quality Inspection toolset helps you improve your yield, reduce scrap, and increase customer satisfaction.

Technical data overview

Task	Presence inspection Quality inspection Classification Anomaly detection Measuring, 2D
Technology	2D snapshot Image analysis Deep Learning (depending on type)
Language	English German French Italian Spanish Japanese Korean Chinese
Supported products	InspectorP61x InspectorP62x InspectorP63x InspectorP64x InspectorP65x SIM2x00 + picoCam2 / midiCam2 (depending on type)
Minimum screen resolution	1,366 px x 768 px
Supported browsers	Google Chrome (version 80 or higher)

Product description

The Quality Inspection toolset of SICK Nova, ensures that produced items have the exact qualities required regarding presence and measurements of details. Quality assurance applications are solved by configuring a selection of tools for image analysis using a graphical user interface in a web browser. The user can easily add standard and custom SICK Nova tools. Special inspection needs are quickly solved with a custom tool, rapidly created by anyone with a SICK AppSpace license.

At a glance

- 2D machine vision inspection
- Solving detailed quality inspection applications
- Toolset for presence and measuring inspection, calibration, and location
- Quick customization and addition of SICK Nova tools
- Various FOVs, resolutions, performance levels, optics, and lighting
- Easy-to-use user interface in web browser

Your benefits

- Automated quality analysis and verification of details to improve production yield and speed
- Reliable inspection to reduce waste and avoid production downtime
- Customer satisfaction by delivering high-quality products
- Free up staff for more fulfilling assignments by eliminating dull, dangerous or dirty work tasks
- Your special inspection needs quickly solved with a custom tool
- Ability to create your own customized solutions
- The supported SICK vision sensors fit various performance needs
- Embedded training makes learning quick and convenient

Fields of application

All areas of factory automation that need to ensure exact qualities regarding presence and measurements on produced items, e.g.:
- Inline quality control
- Manufacturing, assembly and packaging verification
- Part localization and measurement
- Detail inspection, counting and measurement

Quality Inspection

Ordering information

Other models and accessories ➜ www.sick.com/Quality_Inspection

- **Product family:** Quality Inspection

Description	Type	Part no.
Nova SIM 2D is a SensorApp for the SIM2x00 product family, which is connected to a picoCam2 / midiCam2 2D streaming camera. This type requires a Quality Inspection license or an Intelligent Inspection license. The Quality Inspection License provides a toolset which is used to ensure that produced items have the exact qualities regarding presence and measurements of details. The Intelligent Inspection Upgrade License makes it possible to productively use the complete set of tools, including powerful Deep Learning image analysis tools for solving problems which is not possible with rule-based machine vision. The Intelligent Inspection toolset is available with a trial period of 2 hours per reboot without license activated.	Nova SIM 2D	On request
The Nova InspectorP SensorApp includes the Quality Inspection Toolset and the Intelligent Inspection Toolset, which can be used with an upgrade license or for a test period of 2 hours per restart without an activated license. The Quality Inspection toolset is used to ensure that produced items have the exact qualities regarding presence and measurements of details. The Intelligent Inspection Upgrade License makes it possible to productively use the complete set of tools, including powerful Deep Learning image analysis tools for solving problems which is not possible with rule-based machine vision.	Nova InspectorP	On request
The Quality Inspection License gives the possibility to productively use a large subset of the tools in a SICK Nova SensorApp. The Quality Inspection toolset is used to ensure that produced items have the exact qualities required regarding presence and measurements of details. Customers can expand the usable toolset, if available in the SICK Nova SensorApp, with the Intelligent Inspection Upgrade license.	Quality Inspection License	1128703

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**

SICK AG | Waldkirch | Germany | www.sick.com

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