



# Color Inspection and Sorting

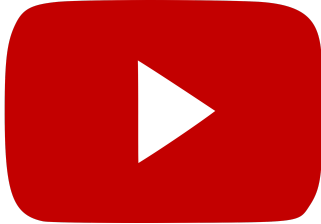
Inspection and sorting by size and color

SICK APPSPACE SENSORAPPS

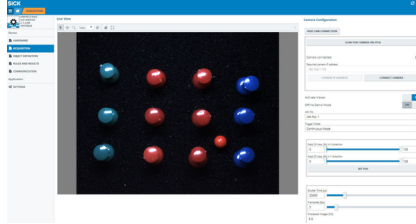
**SICK**  
Sensor Intelligence.

## Advantages

### Extend the functionality of your Sensor Integration Machine with SICK SensorApps.



The Color Inspection and Sorting SensorApp ensures that objects have the right size and color, and sorts them out if they are not.



Configuration is done using a graphic user interface in a web browser.



Easy-to-use user interface for quick and practical incorporation.



**The Color Inspection and Sorting SensorApp combines low investment costs and quick commissioning in order to count and sort objects of different color and size and to sort out objects with anomalies.**



### Technical data overview

<b>Task</b>	Inspection
<b>Technology</b>	2D snapshot Color
<b>Language</b>	English
<b>Supported products</b>	SIM4x00 SIM1012 picoCam301C picoCam302C picoCam303C picoCam304C midiCam601C midiCam602C
<b>Minimum screen resolution</b>	1,366 px x 768 px
<b>Supported browsers</b>	Google Chrome (version 49 or higher)

### Product description

Color Inspection and Sorting inspects unpackaged, primary or secondary packaged objects regarding size and color. The SensorApp is used to count objects with different sizes and colors as well as to detect the color or color gradations of objects and therefore categorize them as “good/developed” or “bad/burned”. In addition, objects with anomalies (such as wrong size or color) can be sorted out or the integrity and completeness of secondary packaging can be detected. Different application configurations can be saved as jobs, which can be loaded manually or decentrally. The SensorApp requires a hardware environment, consisting of an SIM4000 or SIM1012, a pico- or midiCam with LED illumination and a photoelectric sensor.

### At a glance

- Inspection by size and color
- Flexible camera, lens and illumination concept
- Cameras for tight spaces or critical environments
- Intuitive GUI for set-up and output of results
- Flexible camera triggering
- Results from the GUI and output via digital output and TCP/IP
- Jobs can be loaded decentrally

### Your benefits

- The demo mode with example images shows the principle of operation in simple terms
- Step-by-step instructions for defining objects makes it easy to set up a task
- The flexible hardware and SensorApp concept enables customized adaptations and extensions when it comes to functionality and performance
- Very well-suited to industrial use thanks to rugged devices with long service life and availability

### Fields of application

- Food and beverages: Color inspection for yogurt containers and for PET blanks in beverage filling systems as well as sorting of cookies, toasts or cornflakes.
- Consumer goods: Color inspection of colored soap dispensers or deodorant rolls
- Metal and steel: Monitoring of flame color for copper refining

### Ordering information

Other models and accessories → [www.sick.com/Color\\_Inspection\\_and\\_Sorting](http://www.sick.com/Color_Inspection_and_Sorting)

Application	Description	Type	Part no.
Digital Design, Operations, 2D and 3D Machine Vision solutions	The Color Inspection and Sorting SensorApp ensures that features such as size and color are as desired and that no unwanted objects are present.	Color Inspection and Sorting	On request

## 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](http://www.sick.com)