



Dolly Positioning

3D snapshot - position determination for picking up dollies

SICK APPSPACE SENSORAPPS

SICK
Sensor Intelligence.

Advantages

Extend the functionality of your Visionary-T AP 3D vision camera with SICK SensorApps.



The Dolly Positioning SensorApp enables automated position determination of roller dollies, meaning they can be used flexibly.



Increases the efficiency of automated guided vehicles in logistics thanks to short process times when picking up roller dollies.



Manufacturers and users of automated guided vehicles profit from the easy integration of apps and sensors.



The Dolly Positioning SensorApp from SICK enables reliable position determination of roller dollies and can be integrated easily into automated guided vehicles. At the same time, the combination of sensor and app means minimal maintenance work for the vehicles used.



Technical data overview

Task	3D position determination for picking up dollies
Technology	3D snapshot
Language	English
Supported products	V3S140-2AAAAAA V3S140-2AABAAB
Minimum screen resolution	176 px x 144 px
Supported browsers	Google Chrome (Version 77 or higher)

Product description

Precision is key when it comes to the automated pick-up of dollies with an automated guided vehicle system (AGV system). The fine positioning of the AGV system requires the exact identification of the relative place and position of the dolly. The Dolly Positioning SensorApp provides the data needed for this purpose. It runs directly on the Visionary-T AP 3D vision sensor from SICK. The measured values required to automatically pick up the dolly are pre-processed and evaluated on the sensor, then transmitted to the control of the automated guided vehicle system. The Dolly Positioning SensorApp is based on the SICK AppSpace concept and can be loaded on the sensor as a complete, application-specific Key App.

At a glance

- Automated position determination of a wide range of dollies
- Processing of distance values with 144 x 176 pixels per recording
- Working range: 1 m to 1.5 m
- < 800 ms processing time for the detection of coordinates

Your benefits

- Short process times for dolly pick-up
- Increases efficiency of automated guided vehicle systems in logistics
- Low maintenance effort due to stable app hardware combination
- Easy integration on automated guided vehicle systems
- Automated and reliable position determination for nearly any dolly
- Based on SICK AppSpace and makes it possible to load application-specific Key Apps to the sensor using SICK AppManager.
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Fields of application

- Automotive industry
- Intralogistics
- Factory automation
- Industrial vehicles
- Vision applications in warehouses

Ordering information

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

Application	Description	Type	Part no.
Digital Design, Operations, 2D and 3D Machine Vision solutions	<p>Precision is key when it comes to the automated pick-up of dollies with an automated guided vehicle system (AGV system). The fine positioning of the AGV system requires the exact identification of the relative place and position of the dolly. The Dolly Positioning SensorApp provides the data needed for this purpose. It runs directly on the Visionary-T AP 3D vision sensor from SICK. The measured values required to automatically pick up the dolly are pre-processed and evaluated on the sensor, then transmitted to the control of the automated guided vehicle system. The Dolly Positioning SensorApp is based on the SICK AppSpace concept and can be loaded on the sensor as a complete, application-specific Key App.</p>	Dolly Positioning	1613573

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