



Pallet Pocket Detection

3D snapshot - for the detection and position determination of pallet pockets

SICK APPSPACE SENSORAPPS

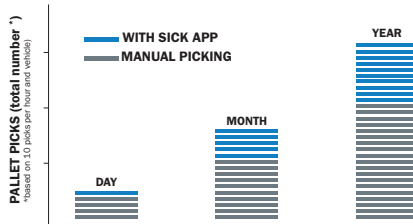
SICK
Sensor Intelligence.

Advantages

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



Automated detection of pallet pockets of nearly any common pallet type.



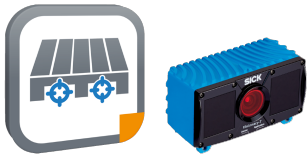
Short pallet pick-up processes times increase the efficiency of industrial trucks in logistics.



Easy integration of sensor and app in industrial trucks.



The Pallet Pocket Detection SensorApp from SICK enables reliable position determination of pallets. At the same time, the app reduces the amount of maintenance work needed. Pallet Pocket Detection is not only well-suited for new industrial trucks, but also as a simple retrofitting solution for those already in use.



Technical data overview

Task	3D position determination and detection of pallet pockets
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

The storage and removal of loads using industrial trucks requires the precise detection of storage spaces and pallet, especially at great heights. For an automated manned forklift truck to correctly pick up and transport a pallet, for example, it must precisely detect the pallet pockets. The Pallet Pocket Detection SensorApp provides the data required to do this. It runs directly on the Visionary-T AP 3D vision sensor from SICK. The measured values required to pick up the pallet are pre-processed and evaluated on the sensor, then transmitted to the control of the automated manned forklift truck. The Pallet Pocket Detection SensorApp is based on SICK AppSpace and can be loaded on the sensor as a complete, application-specific Key App.

At a glance

- SensorApp for automated position determination of pallets
- Processing of distance values with 144 x 176 pixels per recording
- Working range: 1.5 m to 3 m
- < 800 ms processing time for the detection of coordinates

Your benefits

- Automated detection of the pallet pockets of nearly any pallet type
- Reliable position determination of pallets
- Short process times for pallet pick-up
- Increases efficiency of industrial trucks in logistics
- Low maintenance effort due to stable app hardware combination
- Easy integration on industrial trucks

Fields of application

- Automotive industry
- Factory automation
- Intralogistics
- Palletizing and depalletizing
- Consumer goods
- Industrial vehicles

Ordering information

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

Application	Description	Type	Part no.
Digital Design, Operations, 2D and 3D Machine Vision solutions	<p>The storage and removal of loads using industrial trucks requires the precise detection of storage spaces and pallet, especially at great heights. For an automated manned forklift truck to correctly pick up and transport a pallet, for example, it must precisely detect the pallet pockets. The Pallet Pocket Detection SensorApp provides the data required to do this. It runs directly on the Visionary-T AP 3D vision sensor from SICK. The measured values required to pick up the pallet are pre-processed and evaluated on the sensor, then transmitted to the control of the automated manned forklift truck.</p> <p>The Pallet Pocket Detection SensorApp is based on SICK AppSpace and can be loaded on the sensor as a complete, application-specific Key App.</p>	Pallet Pocket Detection	1613572

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