



## Pallet Pocket Detection

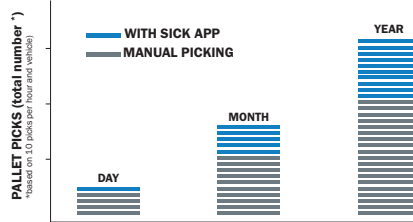
SensorApp for identifying pallet pockets, center and approach angle

## Advantages

### Expand the functions of the Visionary-T Mini AP with Pallet Pocket Detection from SICK.



The combination of hardware and software ensures, for instance, that an automated manned forklift truck “recognizes” pallet pockets.



Pallet Pocket Detection calculates the values of pallet pockets in less than 800 ms. This shortens process times and increases the efficiency of pallet transport.



Easy to integrate into new and used manned forklift trucks – thanks to space-saving complete sensor and software solution.



**The Pallet Pocket Detection app provides all the information automated manned forklift trucks need to lift pallets.**



## Technical data overview

<b>Task</b>	3D position determination and detection of pallet pockets
<b>Technology</b>	3D snapshot, optical time-of-flight method
<b>Language</b>	English
<b>Supported products</b>	V3S145-1AAAAAA
<b>Minimum screen resolution</b>	1,024 px x 768 px
<b>Supported browsers</b>	Google Chrome (Version 77 or higher)

## Product description

Automated manned forklift trucks require accurate data to lift pallets correctly. The software provides a manned forklift truck with information on pallet pockets as well as the pallet center and the angle at which a manned forklift truck approaches a pallet. Pallet Pocket Detection sends the corresponding coordinates to the truck controller via an Ethernet interface. This makes it possible for the automated vehicle to lift pallets properly. Pallet Pocket Detection is based on the SICK AppSpace eco-system. There are two ways to get the app: Either as a single license or by purchasing a Visionary-T Mini AP from SICK which has the app preinstalled.

## At a glance

- Identifies the x-, y- and z-coordinates of pallet pockets and pallet center
- Identifies the approach angle from the manned forklift truck to the pallet
- Suitable for Euro pallets and similar pallet types
- Working distance: 1 m to 3 m
- Requires less than 800 ms from image acquisition to data transmission

## Your benefits

- Increases efficiency of automated manned forklift trucks in logistics
- Can be easily integrated into manned forklift trucks thanks to Ethernet interface
- Low maintenance requirements thanks to the combination of app and hardware
- Data can be easily viewed and visualized thanks to the integrated web interface
- Saves computing capacity on the manned forklift truck controller since the software is installed on the Visionary-T Mini AP
- The user-friendly configuration software allows for quick adaptation to the ambient conditions

## Fields of application

- Automated intralogistics processes in many areas of factory automation
- Industrial vehicles
- Mobile automation
- Storage and conveyor technology
- Courier, express, parcel and postal services
- Retail and warehousing

## Ordering information

Other models and accessories → [www.sick.com/Pallet\\_Pocket\\_Detection](http://www.sick.com/Pallet_Pocket_Detection)

- **Product family:** Pallet Pocket Detection
- **Application:** Digital Design, Operations, 2D and 3D Machine Vision solutions

Description	Type	Part no.
Automated manned forklift trucks require accurate data to lift pallets correctly. The software provides a manned forklift truck with information on pallet pockets as well as the pallet center and the angle at which a manned forklift truck approaches a pallet. Pallet Pocket Detection sends the corresponding coordinates to the truck controller via an Ethernet interface. This makes it possible for the automated vehicle to lift pallets properly. Pallet Pocket Detection is based on the SICK AppSpace eco-system. There are two ways to get the app: Either as a single license or by purchasing a Visionary-T Mini AP from SICK which has the app preinstalled.	Pallet Pocket Detection für Visionary-T Mini	1133596
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.	Pallet Pocket Detection Visionary-T	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](http://www.sick.com)