Product family overview

Automated Load Detect Ident System

Reliable load detection and identification for traceable loading and unloading of industrial vehicles

SICK
Sensor Intelligence.

One system. Three technologies. A whole host of options.

The Automated Load Detect Ident System creates digital transparency for material transport in the logistics environment. The foundation for this is reliable identification of the load. The system variants are equipped with different identification technologies – RFID, laser and camera – depending on the requirements in warehouse and production logistics.

ALDIS-RFID : Load identification with RFID read/write devices
With RFID technology, a line of sight to the transponder is not necessary for reading. As a result it is also well suited to a harsh industrial environment with dirt and dust.

ALDIS-Laser: Load identification with barcode scanners
Laser-based reading of 1D codes is characterized by its cost effectiveness and reliability. Fixed mount barcode scanners have a large working range and quick auto focus, which allows automatic scanning even if the code positions vary greatly.

ALDIS-Vision: Load identification with image-based code readers
The image-based solution enables a high read rate, even for badly damaged and dirty Data Matrix codes. With their large field of view and their depth of focus, image-based code readers offer flexibility in terms of code position and object height.

Product description

The Automated Load Detect Ident System is a gateway system for the automatic detection of loading and unloading processes of industrial vehicles in logistics. The system detects the load with distance sensors and identifies it with technologies such as RFID, 1D and 2D codes. The pre-processed information is transmitted wirelessly to a software infrastructure. SICK has the Asset Analytics software solution for this purpose, which links the data with the position of the vehicle. By combining various technologies, it is possible to know at all times where the material, load carrier and vehicle are currently located.

At a glance

- Automatic load detection with distance sensors and load identification with technologies such as RFID, laser and camera
- Telematic Data Collector controls the sensors to generate real-time information on loading operations using load identification data
- Wireless data transmission to the software infrastructure via mobile network or WiFi
- Configuration via browser-based user interface

Your benefits

- Tracking of loading and unloading operations and cargo information of the transport vehicles without manual work
- Data basis for the tracking of goods via technology mix, and therefore transparency about the location of the goods
- Reliable data transmission throughout the entire logistics area
- Easy configuration and complete data control

Fields of application

Ensuring transparency of goods movements with industrial vehicles in warehouse and production logistics

Ordering information

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

- **Interfaces:** GPS, modem, Ethernet, WLAN, serial, CAN bus

Fields of application	Network coverage	Items supplied	Type	Part no.
In- and outdoors	Europe, Middle East, Africa, APAC without Japan	TDC-E210GC with ALDIS software module, RFID read/write device with integrated RFU620 antenna	ALDIS-R20001GC	1143775
			ALDIS-R20002GC	1142592
		TDC-E210GC with ALDIS software module, RFID read/write device with integrated RFU630 antenna	ALDIS-R30001GC	1138287
	North America, Latin American	TDC-E210AC with ALDIS software module, RFID read/write device with integrated RFU630 antenna	ALDIS-R30011AC	1139249
		TDC-E210GC with ALDIS software module, RFID read/write device with integrated RFU620 antenna	ALDIS-R20011AC	1143776
			ALDIS-R20012AC	1142593
Indoor area	Europe, Middle East, Africa, APAC without Japan	TDC-E210GC with ALDIS software module, CLV650 fixed mount barcode scanner	ALDIS-L50001GC	1139250
		TDC-E210GC with ALDIS software module, Lector654 image-based code reader	ALDIS-V54001GC	1139252
	North America, Latin American	TDC-E210AC with ALDIS software module, CLV650 fixed mount barcode scanner	ALDIS-L50001AC	1139251
		TDC-E210AC with ALDIS software module, Lector654 image-based code reader	ALDIS-V54001AC	1139253

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