



IDM26x

2D-code identification in harsh environments

MOBILE HANDHELD SCANNERS

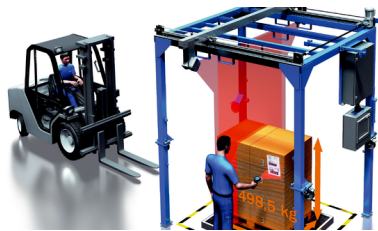
SICK
Sensor Intelligence.

Advantages

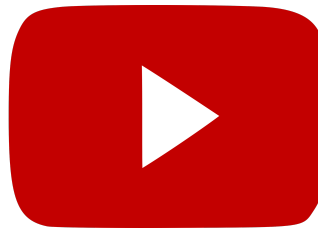


Integration into industrial networks

Using modular connection technology, the mobile handheld scanners from SICK can be integrated into numerous fieldbus technologies such as PROFIBUS DP, PROFINET IO/RT, Ethernet TCP/IP, or EtherCAT®. When used in systems such as fixed 1D and 2D cameras or RFID read/write devices, the AUX loop-in is an economical solution.



Stationary volume measurement systems often require mobile code reading for identifying goods: AUX connectivity provides a cost-effective solution.



This video tutorial gives an example of the materials and steps required for integration in a fieldbus network.



Simple PROFIBUS integration into large track and trace systems is possible using the Connection Device Fieldbus fieldbus module.



Simple integration into numerous fieldbus technologies and identification systems using modular connectivity



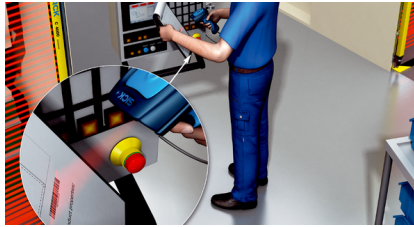
For industrial applications: Tangible benefits to increase your flexibility

The IDM26x hand-held scanner securely and reliably identifies two-dimensional codes, and all standard linear and stacked codes. Rugged housing with IP65 enclosure rating enables the hand-held scanner to withstand adverse ambient conditions. At the same time, however, it is light, easy to hold, and can be used simply and intuitively due to its triple read feedback via

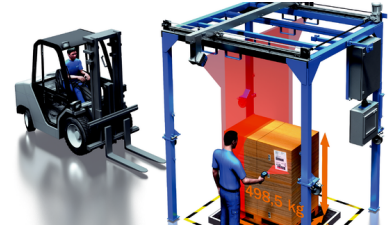
LED, beeper, and vibration. The wireless variants deliver flexibility and mobility. The combination of reliable code reading, rugged design, and SICK connectors enables use in an extremely wide range of industrial fields of application.



Tire identification in factory automation: Highly reliable thanks to IP65 industrial enclosure rating and rugged housing.



Data collection in production: Traceability of products and processes through reliable code identification.



Mobile volume detection of piece goods and pallets. The code is detected by the hand-held scanner and the volume measurement is started.



Compact, very rugged, and shock resistant for harsh and demanding day-to-day work in industrial environments

SICK LifeTime Services

SICK's services increase machine and plant productivity, enhance the safety of people all over the world, provide a solid foundation for a sustainable business operation, and protect investment goods. In addition to its usual consulting services, SICK provides direct on-site support during the conceptual design and commissioning phases as well as during operation.

The range of services not only covers aspects like maintenance and inspection, but also includes performance checks as well as upgrades and retrofits. Modular or customized service contracts extend the service life of plants and therefore increase their availability. If faults occur or limit values are exceeded, these are detected at all times by the corresponding sensors and systems.



Consulting and design

Application-specific advice on the product, its integration and the application itself.



commissioning and maintenance

Application-optimized and sustainable — thanks to professional commissioning and maintenance by a trained SICK service technician.



service contracts

Extended warranty, SICK Remote Service, 24-hour helpdesk, maintenance, availability guarantees and other modular components can be individually combined on request.



Technical data overview

Application	Industrial application
Readable code structures	1D codes, 2D codes, Stacked
Code resolution	≥ 0.07 mm ¹⁾ ≥ 0.13 mm ²⁾
Reading distance	30 mm ... 400 mm
Sensor	1,280 px x 800 px
Ambient operating temperature	-20 °C ... +50 °C
Enclosure rating	IP65
Shock resistance	50 drops from 2 m height on concrete
Ethernet	✓, TCP/IP, Optional, over external connection module
PROFINET	✓, optional over external fieldbus module
EtherCAT	✓, optional over external fieldbus module
Serial	✓, RS-232
PROFIBUS DP	✓, optional over external fieldbus module
USB	✓
Bluetooth	✓

¹⁾ Valid for Code 39.

²⁾ Valid for Data Matrix code.

Product description

The IDM26x mobile hand-held scanner securely and reliably identifies two-dimensional codes, and all standard linear or stacked codes. Thanks to its rugged, IP65-protected housing, the mobile hand-held scanner is able to withstand adverse ambient conditions. At the same time, however, it is light, easy to hold, and can be used simply and intuitively due to its triple read feedback via LED, beeper, and vibration. The wireless variants ensure flexibility and mobility. For integration into industrial fieldbuses, such as PROFIBUS or PROFINET, SICK connection modules can be used. The combination of reliable code reading, rugged design, and SICK connectivity enables use in an extremely wide range of industrial fields of application.

At a glance

- Identification of all standard 1D, stacked, and 2D codes
- Reliable, secure, and fast code reading
- Rugged, stable housing with IP 65 enclosure rating
- Supports all common corded and cordless interfaces as well as industrial fieldbuses via SICK connectivity
- Good read feedback via LED, beeper, and vibration

Your benefits

- Quick and accurate identification even of poorly printed bar codes eliminates the need to enter data manually
- Highly reliable thanks to IP65 industrial enclosure rating and rugged housing
- Easy focusing of bar codes thanks to the clearly visible laser line
- Simple and flexible integration into industrial fieldbus networks using SICK connectivity
- Simple and intuitive operation through multiple read confirmation

Fields of application

- Production control and traceability of products or components in the automotive, electronics, solar and consumer goods industries
- Warehouses and distribution centers, e.g., for incoming goods, order picking, and dispatch

Ordering information

Other models and accessories → www.sick.com/IDM26x

- **Readable code structures:** 1D codes, 2D codes, Stacked
- **Reading distance:** 30 mm ... 400 mm
- **Code resolution:** ≥ 0.07 mm (Valid for Code 39.), ≥ 0.13 mm (Valid for Data Matrix code.)
- **Application:** Industrial application
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)
- **Ambient operating temperature:** -20 °C ... +50 °C

Scanner design	Items supplied	Communication interface	Type	Part no.
Cable connection variant	Kit	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP	IDM260-311S RS-232 Kit	6068394
		USB	IDM260-311S USB Kit	6068393
	Single scanner	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, USB	IDM260-311S	6068392
Wireless variant	Kit	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, Bluetooth	IDM261-311S RS-232 Kit	6068402
		USB	IDM261-311S USB Kit	6068401
	Single scanner	Ethernet, PROFINET, EtherCAT [®] , Serial, PROFIBUS DP, USB, Bluetooth	IDM261-311S	6068400

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