



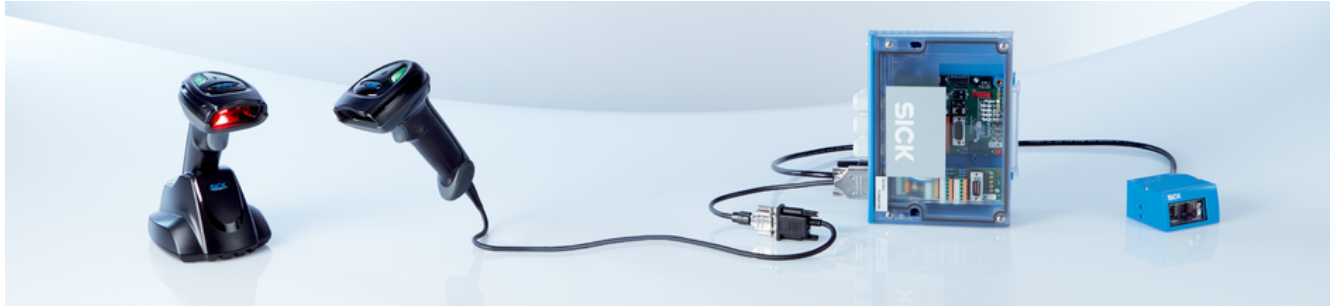
## IDM24x

Convenient and secure identification of 2D codes

MOBILE HANDHELD SCANNERS

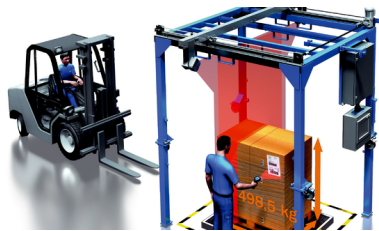
**SICK**  
Sensor Intelligence.

### Advantages

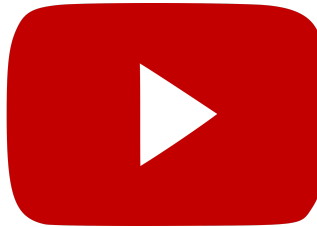


### Integration into industrial networks

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 standard applications: Reliable code reading has never been easier

The IDM24x hand-held scanner securely and reliably identifies two-dimensional codes, and all standard linear and stacked bar codes. An innovative, miniaturized matrix camera enables fast and secure code identification, no matter what orientation the code is in. Thanks to its extremely light and ergonomic design, it is easy to hold and comfortable to use.

**Fast and reliable identification of 1D and 2D codes, an ergonomic design, and simple operation make the scanner ideal for daily use in a wide range of less harsh applications.**



Correct identification of sample bar codes in clinical analysis without manual data entry. A single device for different codes.



Mobile identification of placement material. Fast code identification in any orientation thanks to integrated matrix camera.



The mobile handheld scanner is suitable for reading 1D, 2D, and stacked codes during the collection of consignments.



**Cost-effective: Fast and reliable identification of 1D and 2D codes for daily use in a very wide range of less harsh applications**

## 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

<b>Application</b>	Standard application
<b>Readable code structures</b>	1D codes, 2D codes, Stacked
<b>Code resolution</b>	≥ 0.07 mm <sup>1)</sup> ≥ 0.13 mm <sup>2)</sup>
<b>Reading distance</b>	30 mm ... 400 mm
<b>Sensor</b>	1,280 px x 800 px
<b>Ambient operating temperature</b>	-10 °C ... +50 °C
<b>Enclosure rating</b>	IP42
<b>Shock resistance</b>	25 drops from 1.8 m height on concrete
<b>Ethernet</b>	✓, TCP/IP, Optional, over external connection module / ✓, Optional, over external connection module (depending on type)
<b>PROFINET</b>	✓, optional over external fieldbus module
<b>EtherCAT</b>	✓, optional over external fieldbus module
<b>Serial</b>	✓, RS-232
<b>PROFIBUS DP</b>	✓, optional over external fieldbus module
<b>USB</b>	✓
<b>Bluetooth</b>	✓

<sup>1)</sup> Valid for Code 39.

<sup>2)</sup> Valid for Data Matrix code.

### Product description

The IDM24x mobile hand-held scanner securely and reliably identifies two-dimensional codes, and all standard linear and stacked bar codes. An innovative, miniaturized matrix camera enables fast and secure code identification, no matter what orientation the code is in. Thanks to its extremely light and ergonomic design, it is easy to hold and comfortable to use. Configured in presentation mode, the scanner automatically identifies codes that are presented by hand. With corded and cordless variants available, you are bound to find the ideal solution for any application. Fast and reliable identification of 1D and 2D codes, an ergonomic design, and simple operation make the scanner ideal for daily use in a wide range of less harsh applications.

### At a glance

- Identification of all current 1D, stacked, and 2D codes
- Reliable, secure, and fast code reading
- Compact design, light housing
- Manual operation and hands-free operation in presentation mode
- Corded and cordless variants available

### Your benefits

- Identification of many different 1D, 2D, and stacked codes with a single device
- Quick and accurate identification even of poorly printed bar codes eliminates the need to enter data manually
- Lightweight, ergonomic design ensures user comfort, even in scanning-intensive applications
- Easy focusing of bar codes thanks to the clearly visible scanning point
- Flexible application possibilities due to various operating options
- Cordless variant ensures mobility in all applications

## Fields of application

- Point of sale, service (retail, check-in counters)
- Clinical analysis (identification of test tubes)
- Office environment (document capture)
- Warehouse (document and packet capture)
- Automotive and electronics industry (component identification)

## Ordering information

Other models and accessories → [www.sick.com/IDM24x](http://www.sick.com/IDM24x)

- **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:** Standard application
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)
- **Ambient operating temperature:** -10 °C ... +50 °C

Scanner design	Items supplied	Communication interface	Type	Part no.
Cable connection variant	Kit	Ethernet, PROFINET, EtherCAT <sup>®</sup> , Serial, PROFIBUS DP	IDM240-311S RS-232 Kit	6068391
		USB	IDM240-311S USB Kit	6068390
	Single scanner	Ethernet, PROFINET, EtherCAT <sup>®</sup> , Serial, PROFIBUS DP, USB	IDM240-311S	6068389
Wireless variant	Kit	Ethernet, PROFINET, EtherCAT <sup>®</sup> , Serial, PROFIBUS DP, Bluetooth	IDM241-311S RS-232 Kit	6068398
		USB	IDM241-311S USB Kit	6068397
	Single scanner	Ethernet, PROFINET, EtherCAT <sup>®</sup> , Serial, PROFIBUS DP, USB, Bluetooth	IDM241-311S	6068396

## 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)