IDM24x

Convenient and secure identification of 2D codes
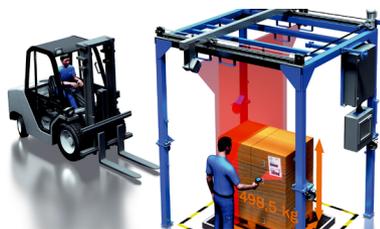
MOBILE HAND-HELD SCANNERS

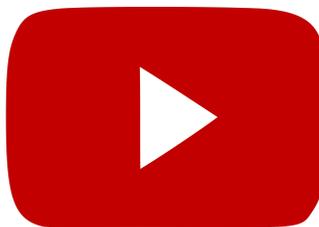**SICK**
Sensor Intelligence.

Advantages

Integration into industrial networks

Modular connectivity enables integration into many fieldbus technologies: PROFIBUS DP, PROFINET IO, Ethernet TCP/IP, EtherCAT®, DeviceNet™. For use in systems such as fixed 1D bar code scanners, 2D cameras, and RFID reading devices, the AUX connectivity offers a cost-effective 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.

Easy PROFIBUS integration into large track-and-trace systems with the CDF600 fieldbus module.

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

General purpose: 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 hand-held 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 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

Application	General Purpose
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	–10 °C ... +50 °C
Enclosure rating	IP42
Shock resistance	25 drops from 1.8 m height on concrete
Ethernet	✓, TCP/IP, Optional, over external connection module / ✓, Optional, over external connection module (depending on type)
PROFINET	✓, optional over external fieldbus module
EtherCAT	✓, optional over external fieldbus module
Serial	✓, RS-232
PROFIBUS DP	✓, optional over external fieldbus module
DeviceNet™	✓, Optional, over external connection module
USB	✓
Bluetooth	✓

[1] Valid for Code 39.

[2] 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

- **Codes/data cards:** 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.)

Sub product family	Items supplied	Communication interface	Type	Part no.
IDM240 Corded	Kit	Ethernet, PROFINET, Ether-CAT®, Serial, PROFIBUS DP, DeviceNet™, USB	IDM240-311S RS-232 Kit	6068391
			IDM240-311S USB Kit	6068390
	Single scanner		IDM240-311S	6068389
IDM241 Bluetooth	Kit	Ethernet, PROFINET, Ether-CAT®, Serial, PROFIBUS DP, DeviceNet™, USB, Bluetooth	IDM241-311S RS-232 Kit	6068398
			IDM241-311S USB Kit	6068397
	Single scanner		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**

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Sensor Intelligence.