SICK.COM





PRODUCT OVERVIEW

microScan3

Safety laser scanners

SICK Sensor Intelligence



SAFETY LASER SCANNERS

microScan3

The rugged safety laser scanner – extremely intelligent

The microScan3 safety laser scanner stands for the protection of very different applications: from stationary to mobile, from simple to complex. The innovative safeHDDM® scanning technology makes the microScan3 extremely resistant, even to dust and ambient light, and delivers high-precision measurement data. It increases the productivity and availability of machines. The different variants of the microScan3 can be integrated simply and safely into countless networks. In addition, the safety laser scanner offers standardized connectivity for time-saving commissioning. The microScan3, the easy handling of its Safety Designer configuration software and its diagnostic options combine user-friendly operation, innovation and very high performance.

microScan3 AT A GLANCE

BENEFITS

- Very high machine availability and productivity thanks to the patented safeHDDM® scanning technology
- Flexibility for safe automation processes due to simultaneous protective fields, contour detection fields and detailed data output
- Safe integration into different control systems via I/O, EFI-pro, EtherNet/IP™ CIP Safety™ or PROFINET PROFIsafe, EtherCAT® FSoE, etc.
- Saves time during commissioning and diagnostics thanks to the intuitive Safety Designer software, multi-color display and system plug

FEATURES

- Innovative safeHDDM® scanning technology
- High-precision measurement data via Ethernet interface
- Protective field range: up to 9 m, scanning angle: 275°
- Up to 128 freely configurable fields and up to 8 simultaneous protective fields
- Standardized communication interfaces
- System plug with configuration memory

TECHNICAL DATA OVERVIEW

Safety level	PL d, SIL 2, Type 3
Protective field range	4 m / 5.5 m / 9 m
Warning field range	40 m / 64 m
Integration in the control system	Local inputs and outputs (I/O) CIP Safety™ over EtherNet/IP™ EFI-pro EtherCAT® FSoE PROFINET PROFIsafe
Number of fields	4 / 8 / 128
Number of monitoring cases	1 / 2 / 8 / 128
OSSD pairs	0 / 1 / 4
Scanning angle	Horizontal: 275°
Connection type	M12 M12 AIDA RJ45 push-pull AIDA SCRJ push-pull AIDA
Measured data output	Via Ethernet / none
Application	Indoor
Enclosure rating	IP65

ADVANTAGES

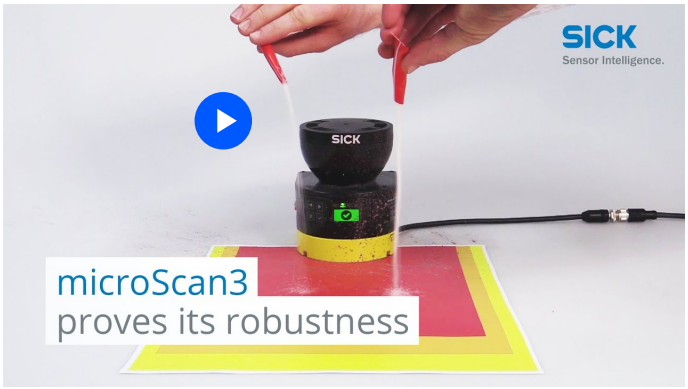


High reliability thanks to innovative scanning technology

The microScan3 opens up new fields of application and represents a new standard for safety laser scanners: Thanks to the innovative safeHDDM® technology, ambient light, dirt and dust are reliably filtered out. This keeps the productivity of your machine high.



safeHDDM® scanning technology: enables the combination of compact design, large scanning range and high-precision measurement data
Find out more



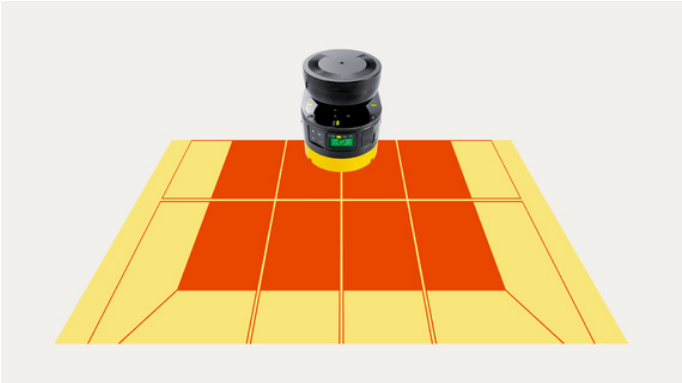
High availability: resistant to dirt, dust, ambient light and other laser scanners

→ High availability of the safety laser scanner: How to avoid machine downtime

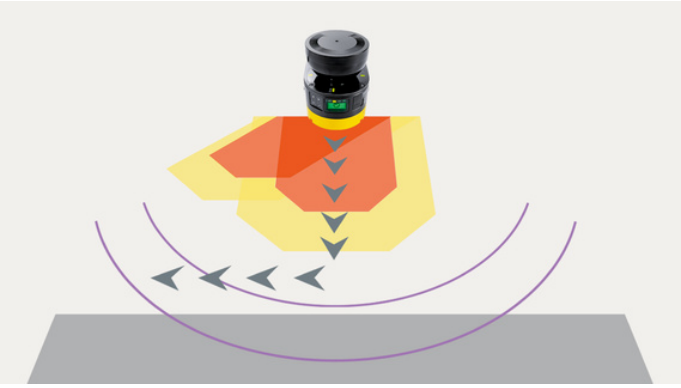


Intelligent functions for countless possibilities

Safety and productivity go hand-in-hand with the intelligent functions of the microScan3. You can tailor the microScan3 to the requirements of your machine environment, thereby ensuring that processes run smoothly.



High safety and efficient operation: thanks to 128 freely configurable fields, 8 simultaneous protective fields and contour detection fields for monitoring the machine environment



Cost-efficient solution: You only need one device to get accurate measurement data in order to safeguard the application and support the navigation of your mobile application

→ Individual configuration: Experience a high level of flexibility



Smart integration can be simple

The microScan3 is remarkably easy to integrate into your application: Quick to mount, easy to wire, and safe to integrate into industrial networks.



Simple machine integration and fast device change: thanks to a wide range of accessories, pluggable system connector as well as integrated configuration memory and standardized connection technology



High productivity: thanks to remote diagnostics and safe integration into your industrial network, for example via EtherNet/IP™ CIP Safety™, PROFINET PROFIsafe, EtherCAT® FSoE, I/O. Or use the intelligent SICK EFI-pro system

→ Simple mounting and commissioning: This is how you save time and money

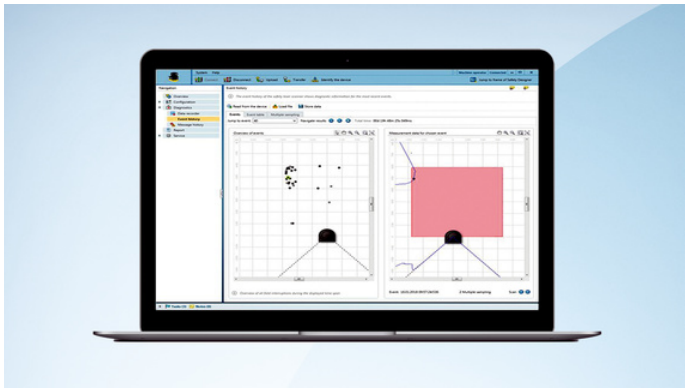


Intuitive operation of intelligent sensor technology

The Safety Designer software makes it possible to configure the microScan3 quickly and easily and to retrieve detailed diagnostic information. Important diagnostic data is also available directly on the device display.



Prevent machine downtime: Measurement data can be stored and analyzed, helping you optimize processes and configurations



Simple configuration and diagnostics: with the convenient step-by-step configuration aid in the Safety Designer and quick error analysis, which you can also run with the EventCam, for example

→ Clever technology: Benefit from a high level of usability

Select the right product variant and accessories directly online. There you will also find example applications as well as downloads such as CAD dimensional models, operating instructions and software.
www.sick.com/microScan3

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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnership with our customers is more than just a promise: Together, we optimize productivity, elevate quality, protect health and safety, and sustain the future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions.

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