



outdoorScan3

The safety laser scanner for outdoor automation

SICK
Sensor Intelligence.

Advantages



The outdoorScan3 safety laser scanner ensures high productivity in outdoor areas

Thanks to the outdoorScan3, humans and machines now also reliably work together outdoors. This greatly increases their productivity.

Among others, the basis for the certification was standard ISO 13849-1 and standard IEC 62998 specially for outdoor areas.



Increase the availability of your AGVs in outdoor areas.
Find out more



Hazardous area protection for machines such as lifting platforms.



Protecting people when docking and undocking airbridges.



Safe human-machine cooperation beyond production walls



The outdoorScan3 stands for high availability, even in bad weather

The outdoorScan3 works safely and reliably, even under challenging weather conditions. The patented and high-precision outdoor safeHDDM[®] scanning technology differentiates between real safety risks and interfering environmental influences. With the AGV Dynamic Weather Assist function block, the outdoorScan3 also reacts dynamically to changing weather conditions.

Find out more



The outdoorScan3 does not get dazzled by sun beams of up to 40,000 lx.



Rain and snow are reliably filtered thanks to high-precision measurement data.
Find out more



Fog is detected reliably and causes a safe stop at a visual range below 50 m.

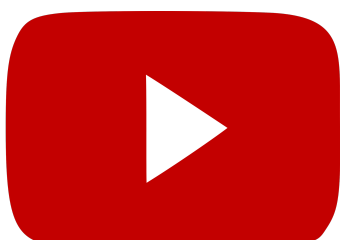


You are prepared for changing weather conditions with the outdoorScan3



Accessories specially developed for outdoor use reduce the impact of weather

In outdoor areas, the outdoorScan3 is exposed to changing weather conditions. Use the offered accessories that can be individually assembled for your application requirements to increase the availability of the safety laser scanner.



The airWiper mounted on the safety laser scanner channels compressed air to remove water drops from the optics cover. This ensures the high availability of the outdoorScan3.



Thanks to the splash guard with special foam insert and weather protection hood, you reduce unwanted downtime in wet conditions.



The mounting system optimizes the interaction of the accessory components and enables rapid integration of the sensor into your application solution.



Modular accessories for high performance of the safety laser scanner

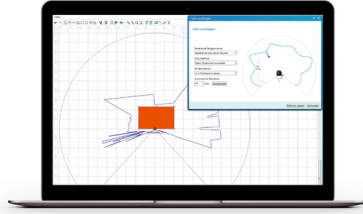


Intuitive operation of the outdoorScan3 for smooth operation

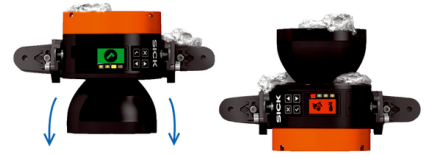
Both commissioning and handling during ongoing operation are as easy, self-explanatory and convenient as with the safety laser scanners from SICK for indoor areas.



Highly visible LEDs and a multi-color display facilitate operation.



Intuitive handling of the Safety Designer configuration and diagnostic software.



With its rugged design and the unique shape of the optics cover, the outdoorScan3 is perfectly suited for outdoor use.



Unites the proven integration and operating concept of indoor safety laser scanners with high profitability



Technical data overview

Application	Outdoor ¹⁾
Protective field range	4 m
Warning field range	40 m
Scanning angle	275°
Number of fields	8 / 128 (depending on type)
Number of monitoring cases	2 / 128 (depending on type)
Response time	≥ 90 ms (depending on type)
OSSD pairs	1 / 0 (depending on type)
Integration in the control system	Local inputs and outputs (I/O) CIP Safety™ over EtherNet/IP™ PROFINET PROFIsafe (depending on type)
Safety level	PL d, SIL 2, Type 3

¹⁾ The safety laser scanner is suitable for use in industrial environments (indoors and outdoors).

Product description

The outdoorScan3 safety laser scanner protects people outdoors in a wide range of mobile and stationary applications. Thanks to intelligent algorithms and the outdoor safeHDDM® scanning technology, the sensor achieves high productivity even in unfavorable weather conditions. The outdoorScan3 stands out thanks to the rugged housing, smart connection technology and advanced diagnostic functions. Modular accessories are also available to meet your application requirements. The Safety Designer configuration software from SICK enables intuitive operation.

At a glance

- Certified in accordance with ISO 13849 and IEC 62998 for protecting people indoors and outdoors
- Outdoor safeHDDM® scanning technology
- Modular accessories for high performance
- Up to 128 freely configurable fields
- Diagnosis with Safety Designer and monitoring app
- Speed adjustment with the AGV Dynamic Weather Assist

Your benefits

- High productivity due to safe human-machine cooperation in outdoor areas
- Outstanding availability even under unfavorable weather conditions
- User-friendly and suitable for outdoor use
- Easily adaptable protective fields for safe automation processes
- Fast troubleshooting thanks to easy access to diagnostic data
- Continuous and reliable material flow both in- and outdoors – even in changing weather conditions

Fields of application

- Horizontal hazardous area protection on stationary outdoor machines
- Safety and navigation for automated guided vehicles and mobile robots in outdoor areas
- Horizontal hazardous area protection for safe human-machine cooperation in outdoor areas
- Safeguarding and automation of passenger boarding bridges

Ordering information

Other models and accessories → www.sick.com/outdoorScan3

- **Protective field range:** 4 m

Sub product family	Integration in the control system	Number of fields	Number of monitoring cases	Compressed air cleaning	Type	Part no.
outdoorScan3 Core I/O	Local inputs and outputs (I/O)	8	2	Not possible	MICS3-AAUZ40AZ1P01	1094452
				Possible	airWiper Kit outdoorScan3 Core I/O	1124784
outdoorScan3 Pro - EtherNet/IP	CIP Safety™ over EtherNet/IP™	128	128	Not possible	MICS3-CBUZ40IZ1P01	1094472
				Possible	airWiper Kit outdoorScan3 Pro - EtherNet/IP™	1124781
outdoorScan3 Pro - PROFINET	PROFINET PROFIsafe	128	128	Not possible	MICS3-CBUZ40PZ1P01	1094474
				Possible	airWiper Kit outdoorScan3 Pro - PROFINET	1128913

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