



PRODUCT OVERVIEW

# safeVisionary2

Safe 3D cameras

# SICK

Sensor Intelligence



SAFE 3D CAMERAS

safeVisionary2

Safe 3D environment perception opens up new dimensions

With the world's first 3D time-of-flight camera with performance level c safety certification, SICK is opening a new dimension in safety technology. safeVisionary2 allows safe three-dimensional environment perception that you can use to increase the safety and efficiency of your applications. In addition, the camera provides precise measurement data for implementing customized automation and safety tasks. safeVisionary2 features a compact, rugged design and can be used in a variety of ways and reliably in everyday industrial applications.

safeVisionary2 AT A GLANCE

BENEFITS

- Solve your safety applications simply and efficiently – with safe 3D environmental perception
- Use precise 3D measurement data for specific automation and safety tasks
- Benefit from the user-friendly configuration, commissioning and diagnostics
- Versatile in use and effortless to integrate, even when the installation space is limited
- High availability, even under mechanical loads and during continuous operation – no moving parts due to the measurement technology used

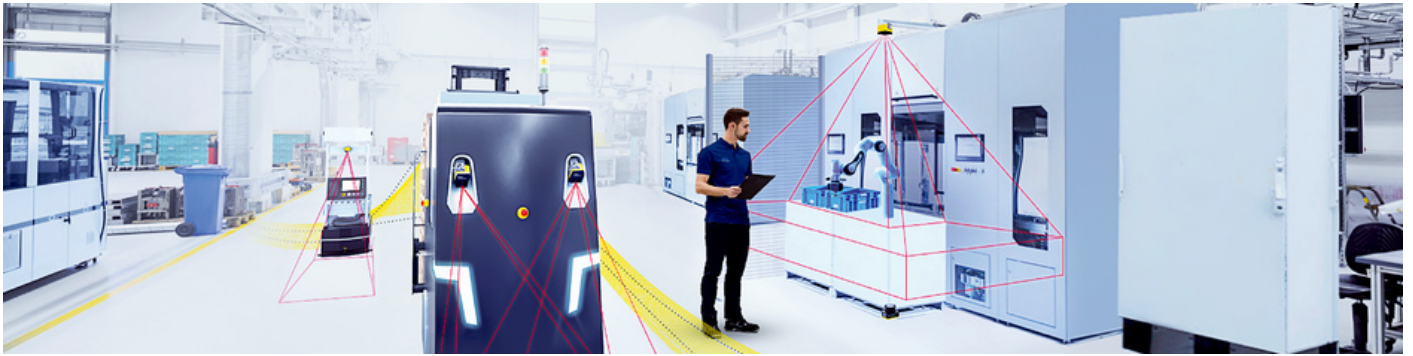
FEATURES

- 3D time-of-flight camera with performance level c
- Up to 4 m protective field range
- 2 simultaneous protective fields and 8 monitoring cases
- Safe (PL c) and standard measurement data output via Gigabit Ethernet
- Compact shock- and vibration-resistant design with enclosure rating IP65 and IP67
- Tried-and-proven intuitive Safety Designer configuration software

TECHNICAL DATA OVERVIEW

|                            |                     |
|----------------------------|---------------------|
| Safety level               | PL c, SIL 1, type 2 |
| Technology                 | 3D time-of-flight   |
| Protective field range     | 4 m                 |
| Number of fields           | 24                  |
| Number of monitoring cases | 8                   |
| Measured data output       | Via Ethernet        |
| Enclosure rating           | IP65<br>IP67        |

## ADVANTAGES



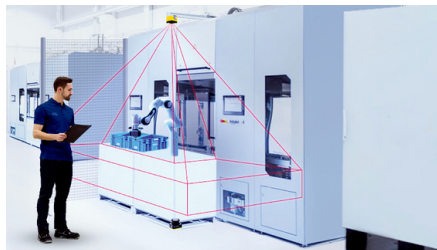
### Increasing safety, raising productivity

With the safeVisionary2 3D time-of-flight camera, you gain new perspectives. Thanks to the safe 3D environment perception of the device, you expand your existing applications to include new options that increase the productivity and safety of your machines and systems.



### Collision protection for mobile robots

With safeVisionary2, your mobile robots can also detect obstacles above the protective field of a safety laser scanner. This increases the safety and availability of your vehicles.



### 3D protective field for collaborative robots

safeVisionary2 safely detects residual risks such as a person leaning or reaching over. This means the camera enables true collaboration with fewer stops and reduced safety distances.



### Fall protection for service robots

Thanks to safeVisionary2, your service robots also register falling hazards such as stairs. With two cameras, performance level d required by IEC 61327-2021 can be achieved for this function.

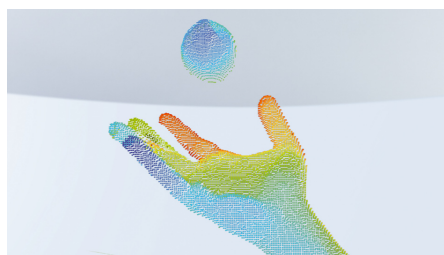


More productivity thanks to safe 3D environment perception



### Outstanding data quality thanks to 3D time-of-flight technology

safeVisionary2 is more than just a safety camera sensor. In addition to the integrated safety functions, the camera provides precise 3D measurement data for implementing customized automation and safety functions up to performance level c.



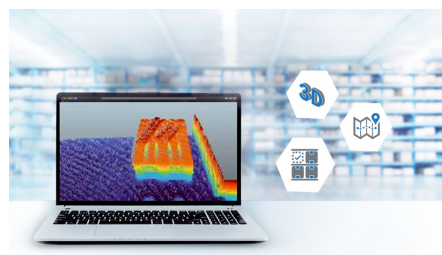
### Precise 3D information

At 30 images per second and a resolution of 512 x 424 pixels, the camera delivers reliable intensity and distance values even in dynamic applications.



### Fast data transmission via Gigabit Ethernet

You benefit from fast data transmission thanks to Gigabit Ethernet as well as short response times for high safety.



### More than just a safety sensor

You can also use the 3D measurement data for automation tasks, such as for vehicle navigation or object detection.



The camera that unites safety and automation



### Fits perfect

safeVisionary2 has a compact design and is reliable and versatile in everyday industrial use. You also benefit from a high level of user-friendliness and save time during installation and configuration.



### Very compact with just 70 x 80 x 77 mm

Thanks to its compact dimensions, safeVisionary2 has a clear advantage compared to many other sensors. This allows you to easily integrate the camera into your machine design, and it also fits in tight installation spaces.



### Reliable even when subjected to high loads

Thanks to the solid-state technology, safeVisionary2 is resistant to shocks and vibration – for high availability in mobile applications.



### Fast commissioning

With the help of mounting brackets, standardized connection technology and the Safety Designer software, safeVisionary2 can be put into operation quickly.



Customized solution, even for demanding ambient conditions



### Tried-and-proven intuitive configuration software

The versatile Safety Designer software makes it easy to configure your safety application. The implementation and use of safety and diagnostic functions is just as easy as usual.



### Simple protective field configuration

Drawing 3D protective fields is very simple. Applications and functions such as the integrated protective field evaluation take on a new meaning with safeVisionary2.



### Integrated diagnostic functions

Use real-time visualization and diagnostic functions to quickly troubleshoot and optimize your application.



### Get the job done with one tool

With Safety Designer, you configure your entire safety application, from individual sensors to logic, and also get detailed documentation.

→ Time- and cost-saving configuration and diagnostics

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/safeVisionary2](http://www.sick.com/safeVisionary2)



SICK AG  
WALDKIRCH  
GERMANY  
SICK.COM

# 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.

**SICK**  
Sensor Intelligence