TriSpector1000
Intuitive 3D inspection

3D MACHINE VISION

SICK
Sensor Intelligence.

TriSpector1000

3D MACHINE VISION
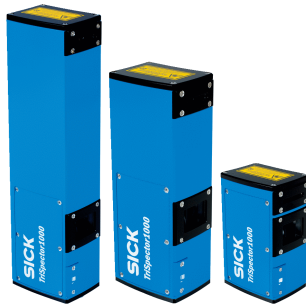
Technical data overview

Technology	3D line scanning
Scan/frame rate	5,000 3D profiles/s
Light source	
Internal lighting	Laser, Visible, Red, 660 nm, ± 7 nm
Factory calibrated	✓
Enclosure rating	IP67
Configuration software	SOPAS ET
Ethernet	✓, TCP/IP
Serial	✓, RS-232, RS-422, encoder (RS-422 / DBS36E-BBCP02048)
Incremental	✓, TTL

Product description

The TriSpector1000 is a stand-alone configurable sensor for cost-efficient 3D inspections. No matter what the shape, color or orientation of the product, the sensor is up to the challenge. Now content, completeness and emptiness can be verified in all dimensions. It is perfectly suited for solving quality control applications in the consumer goods and packaging industry. Thanks to its intuitive user interface, the TriSpector1000 ensures easy commissioning and operation. Even quick device replacement is easy with guaranteed field of view and re-use of saved settings.

At a glance

- 3D inspection of moving parts
- Intuitive user interface
- Embedded image analysis
- Easy replacement concept
- High resolution 3D image with intensity overlay
- Factory calibrated 3D data, true mm values in all dimensions
- Rugged IP67 metal housing

Your benefits

- Reliable 3D inspection even when part color, position and height varies
- Easy commissioning and operation thanks to an intuitive user interface
- Embedded image analysis for fast configuration
- Quick device replacement due to guaranteed field of view and re-use of saved settings
- Intensity data enhances 3D navigation, allows checking presence of label, printed pattern or object rotation.
- Factory calibrated data simplifies setup and reduces time and effort
- Withstands harsh or food processing environments

Fields of application

- Quality control in consumer goods; volume and thickness measuring, counting and positioning of objects
- Box integrity including content verification, completeness and emptiness check
- Product dimensioning in food processing

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Ordering information

Other models and accessories → www.sick.com/TriSpector1000

- **Laser class:** 2
- **Scan/frame rate:** 5,000 3D profiles/s

Sub product family	Working distance	Window material	3D profile resolution	Type	Part no.
TriSpector1008	56 mm ... 116 mm	Glass	0.049 mm/px	V3T11S-MR12A7	1075604
		PMMA	0.049 mm/px	V3T11S-MR12A8	1060426
TriSpector1030	141 mm ... 541 mm	Glass	0.215 mm/px	V3T12S-MR32A7	1072923
		PMMA	0.215 mm/px	V3T12S-MR32A8	1060427
TriSpector1060	291 mm ... 1,091 mm	Glass	0.43 mm/px	V3T13S-MR62A7	1075605
		PMMA	0.43 mm/px	V3T13S-MR62A8	1060428

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**

SICK AG | Waldkirch | Germany | www.sick.com

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