Visionary-T Mini

3D machine vision has never been easier

3D MACHINE VISION

SICK
Sensor Intelligence.

Advantages

Technical data overview

Technology	3D snapshot, image analysis
Grayscale measurements	✓
Light source	
Internal lighting	Laser, invisible, infrared, 855 nm, ± 5 nm
Factory calibrated	✓
Enclosure rating	IP65, IP67
Configuration software	SOPAS ET, Telegram interface, API (C++)
Ethernet	✓, TCP/IP, UDP/IP

Product description

The compact Visionary-T Mini 3D snapshot cameras from SICK with their simple operation and excellent data quality provide the solution to virtually all industrial 3D machine vision requirements. Thanks to the advanced 3D time-of-flight technology, each pixel delivers extremely accurate depth and intensity data. The camera captures its surroundings extremely reliably even in strong light/dark contrast conditions and at long distances, and delivers precise data even for moving objects thanks to its very short image capture time. A clearly structured configuration tool makes it easy to parameterize the device and flexibly adapt the data to the specific application. This makes Visionary-T Mini an ideal, cost-efficient solution, e.g., for logistics, robotics or industrial vehicles.

At a glance

- Up to 30 3D images per second at full resolution (512 × 424 pixels)
- Compact housing
- Temperature range: –10 °C to 50 °C
- Enclosure rating: IP65, 67
- 3D data transmission over industrial Gigabit Ethernet

Your benefits

- Cost-efficient solution in a compact design for a multitude of applications
- Extremely accurate 3D and 2D data with a high pixel density for detailed and reliable environment perception
- Versatile programming interface for external data evaluation with fast availability of the data
- Rugged camera for continuous use in an industrial environment
- Fast data acquisition and best possible data quality with high image dynamics and a very large contrast range
- Tailored configuration using a user-friendly visualization and configuration tool

Fields of application

- Object detection
- Navigation
- Palletizing and depalletizing
- Measurement and volume detection
- Positioning
- Gesture control
- Area monitoring

Ordering information

Other models and accessories ➔ www.sick.com/Visionary-T_Mini

- **Sub product family:** Visionary-T Mini CX
- **Working distance:** ≤ 16 m (Depends on the infrared remission properties of the target object.)

Laser class	Pixel count	Integrated application	Detection angle	Type	Part no.
1	512 px x 424 px	2D and 3D data flow with the option of filtering data in the device	70° x 60°	V3S105-1AAAAAA	1112649

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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