TiM-P

Programmable. Cost-effective. Compact. Versatile.

SICK
Sensor Intelligence.

TiM-P

Technical data overview

Application	Outdoor
Measurement principle	HDDM$^+$
Integrated application	Programmable
Aperture angle	
Horizontal	270°
Angular resolution	0.33°
Working range	0.05 m ... 25 m
Scanning range	
At 10% remission factor	8 m
Scanning frequency	15 Hz
Ambient operating temperature	−25 °C ... +50 °C
Ethernet	✓
USB	✓
Digital inputs	4 (PNP)
Digital outputs	4 (PNP)
Weight	250 g

Product description

The TiM-P is a programmable 2D LiDAR sensor for various industrial tasks both in- and outdoors. Customers can either use existing apps for their specific application solutions or develop their own apps. Thanks to its compact design, the TiM-P is equally suitable for inconspicuous, stationary use for area monitoring and for mobile applications, e.g. for service robots. Thanks to the SICK AppSpace development environment as well as the SICK Interface & Algorithm API and HALCON image processing library, the integrated application software is extremely flexible.

At a glance

- Wide working range: 0.05 m up to maximum 25 m at 270° aperture angle
- Low power consumption (typically: 4 W)
- High flexibility for a wide range of applications
- "Welcome app" as a starting point for programming your own apps
- Simple scripting with Lua and code examples in GitLab and GitHub

Your benefits

- Tailored solution thanks to programming in SICK AppSpace for different LiDAR applications
- Configuration and programming of SensorApps which are run directly on the TiM-P
- Suitable for mobile applications with reliable object detection regardless of the surface, even in strong ambient light
- Improved behavior for edge hits thanks to HDDM$^+$
- Developer-to-developer support thanks to dynamic SICK AppSpace Community (SICK Support Portal, tutorials, trainings, etc.)
- SICK AppPool enables worldwide availability of SensorApps
- Risk-free thanks to free 90-day trial license

Fields of application

- A wide variety of stationary and mobile applications in which high cost-effectiveness and individual customization options are required
- Intelligent object detection for mobile applications
- Intervention detection in intelligent shelving systems
- Area monitoring in logistics

Ordering information

Other models and accessories ➜ www.sick.com/TiM-P

- **Measurement principle:** HDDM$^+$
- **Integrated application:** programmable
- **Working range:** 0.05 m ... 25 m

Angular resolution	Enclosure rating	Digital outputs	Connection type	Type	Part no.
0.33°	IP67	4 (PNP)	1 x "Ethernet" connection, 4-pin M12 female connector 1 x connection "Power", 12-pin, M12 male connector 1 x Micro USB female connector, type B	TiM881P-2100101	1090292

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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