TIM561-2050101S03

Industrial automation components

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Manufacturer	Sick
Catalog number	tim561-2050101s03
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Measurement Principle	HDDM+
Supply Voltage	9 to 28 V DC
Power Consumption	4 W
Housing Rating	IP67
Response Time	67 ms per scan

Description

The SICK TIM561-2050101S03 is a 2D LiDAR sensor designed for outdoor applications, offering precise distance measurements up to 10 meters. Utilizing the HDDM+ measurement principle, it provides a horizontal aperture angle of 270° and an angular resolution of 0.33°, ensuring accurate spatial data capture. The sensor operates within a supply voltage range of 9 to 28 V DC and consumes approximately 4 W of power. Its robust housing, rated IP67, ensures durability in various environmental conditions. The device features multiple connectivity options, including an Ethernet connection (4-pin M12 female connector), a power/synchronization output (5-pin M12 male connector), and a micro USB (Type B) connector. With a response time of 67 ms per scan, the TIM561-2050101S03 is suitable for applications requiring rapid and reliable distance measurements in dynamic environments.

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