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INDUSTRIAL PRODUCT DATASHEET

TF03-180 LiDAR - Industrial-Grade Long Range Distance Sensor (180m)

TF03-180 LiDAR is an industrial-grade long-range distance sensor.

SKU	UPDATED	PRICE
101060003	2026-11-11 08:40:46	$249.90(Excl. VAT)



Overview



TF03-180 LiDAR is an industrial-grade long-range distance sensor. Its maximum detection range can reach up to 180m and it has an adjustable frame rate with a maximum of 1KHz. With an integrated compensating algorithm for outdoor glare and other interference, TF03-180 can work under a strong light environment, rain, fog, and snow conditions. It also has an aluminum alloy enclosure with IP67 water and dust resistance. Multiple built-in operating modes are included for the users to change its parameters and configurations to meet different applications.

Key Features

01 Compact size (44mm*43mm*32mm(L*W*H))

02 Long-range detection (up to 180m)

03 Adjustable frame rate with a maximum of 1KHz

04 Aluminum alloy enclosure with IP67 water and dust resistance for industrial applications

05 Multiple configurable communication interfaces (UART/CAN)

06 Multiple configurable baud rates

Product Gallery









Applications

- Vehicle collision avoidance and safety warning systems
- Traffic flow statistics
- Camera trigger
- UAV assisted takeoff and landing

Resource Links

- https://www.seeedstudio.com/TF03-180-LiDAR-Long-Range-Distance-Sensor-p-4886.html
- Datasheet
- User Manual

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