



TF03-100 100m Ranging High-Speed LiDar Sensor Long-Range Distance Sensor

- * Ingress Protection65 protection level
- * Suitable for various environments



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Product Introduction

We provide our customers with professional cascading safety relays, Forklift obstacle avoidance laser scanner, Toll station detection safety laser scanner with sales of high-quality products as the core competitiveness and R&D as the basis for development. We have established a mechanism to develop, train and reserve talents from within the enterprise, thus effectively avoiding the risks caused by personnel turnover. Our company takes strong technical force and high-quality products as the principle of unremitting progress.

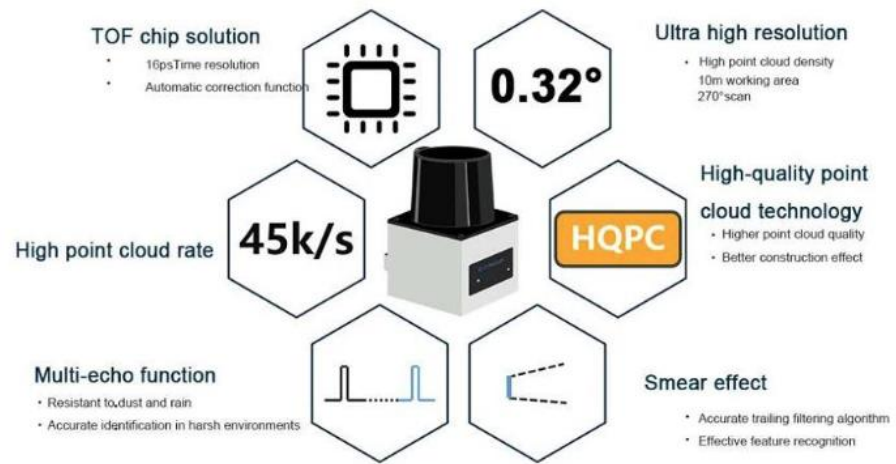
Product Description

- * TOF measurement technology
- * Test length: 10m
- * Weak measurement spot, high detection accuracy
- * Lighting unit: 50001lux
- * Ingress Protection65 protection level
- * Suitable for various environments
- * Can be remotely maintained and updated

Product Parameters

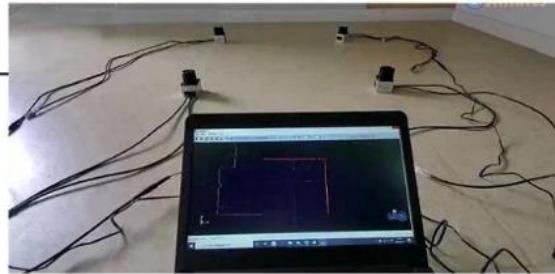
Model: XD-TOF-10HM	Detection range @90% reflectivity: 10m
Distance measuring accuracy: ±30mm	Scanning range: 270°
Point cloud data merge: n/a	Scanning frame rate: 20Hz
Minimum resolution: 0.32° (fixed)	Power supply voltage: DC 12 V-24 V
Laser light source: 905 nm class I	Power consumption: 2W
Data transmission interface: 50000Lux	Working temperature: -10°C-55°C
Storage temperature: -30°C-75°C	Protection level: IP67
Size: 50*50*76mm	Weight: 148g (without cable)

Performance



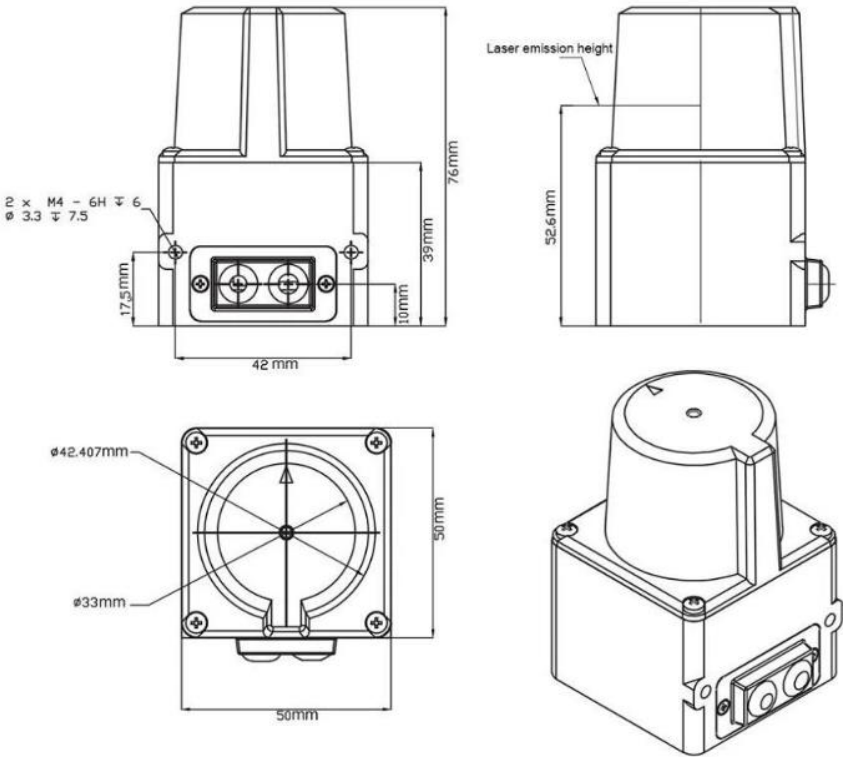
Multiple radars launching interference

Our laser scanner has the function of preventing the opposite emission, even if multiple units are used, it will not affect



Software Diagram

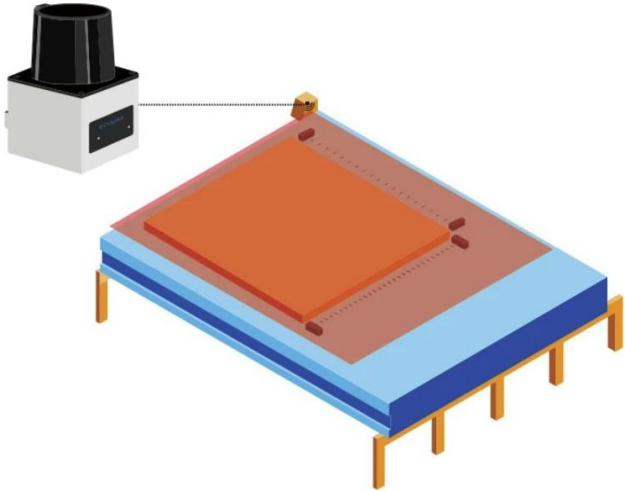
Product Size

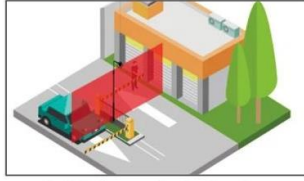


Scene Application

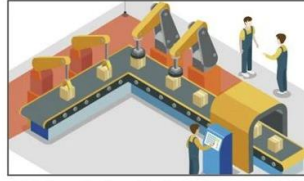
Application Of Length And Width Detection Of Plates Or Products

In the industrial industry, the 2D laser scanner can be used to quickly measure the workpiece size of products such as wood materials, boxes, steel plates, etc., and calculate the length, width, and height to obtain the size of the wood or product, and the operation process is optimized. Can save labor time costs, thus efficient work rate.

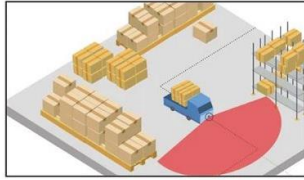




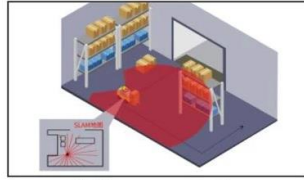
Anti-climb protection for obstacles



Safety protection of industrial conveyor belt



Automated guided vehicle/AGV monitoring



SLAM map reconstruction

Unique technology and product design and development are the strongest support for our TF03-100 100m ranging high-speed LiDar sensor Long-range distance sensor's large-scale production. We are committed to long-term cooperation with customers rather than one-off cooperation. Mutual support and understanding is the key to our common progress and development with our customers. We bravely challenge the burden of scientific and technological research and create a better tomorrow!

Hot Tags: short range safety laser scanner sensor, China, manufacturers, factory, buy, price, cheap, [safety mat machines](#), [2d lidar scanner](#), [agv laser scanner](#), [robots use laser scanners safely](#), [laser scanner protection equipment](#), [safety optical sensor](#)