



TOF-10H Navigation type Laser Radar

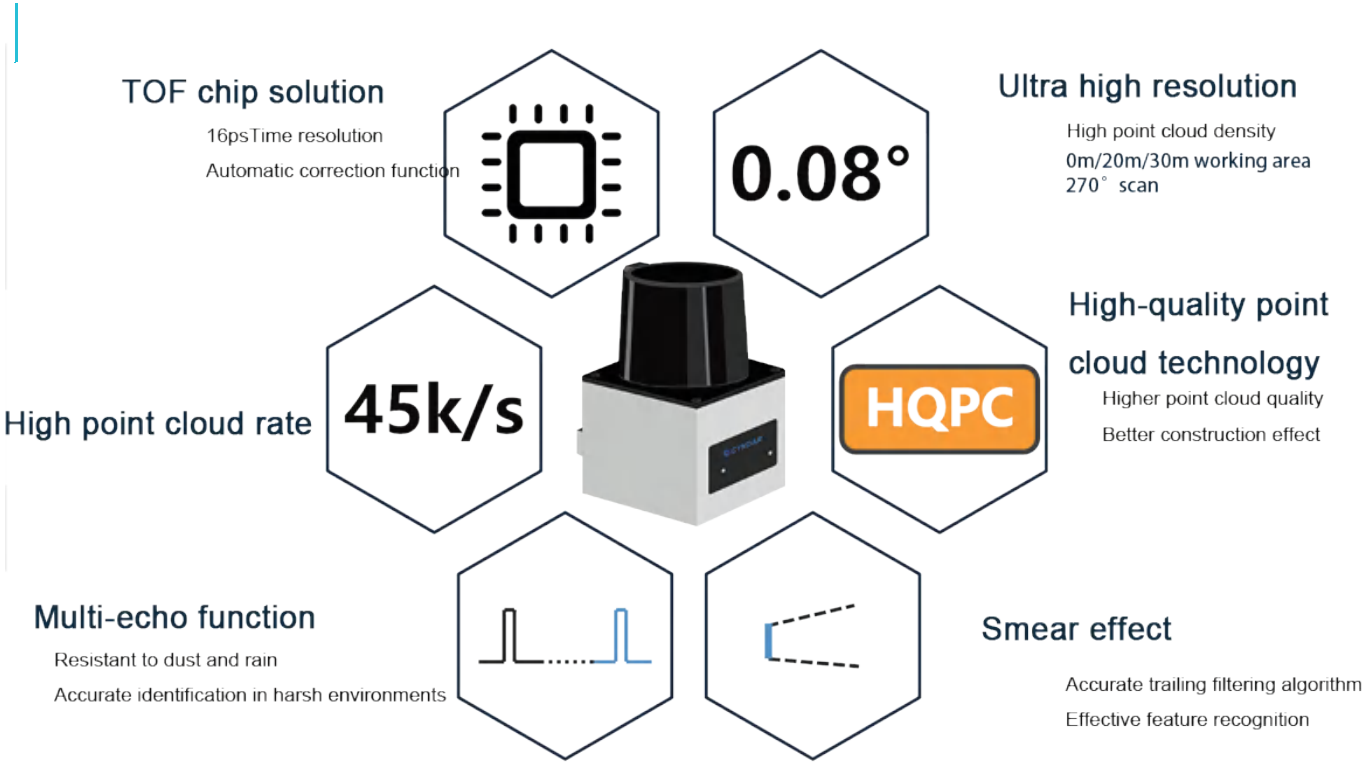


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Product Features

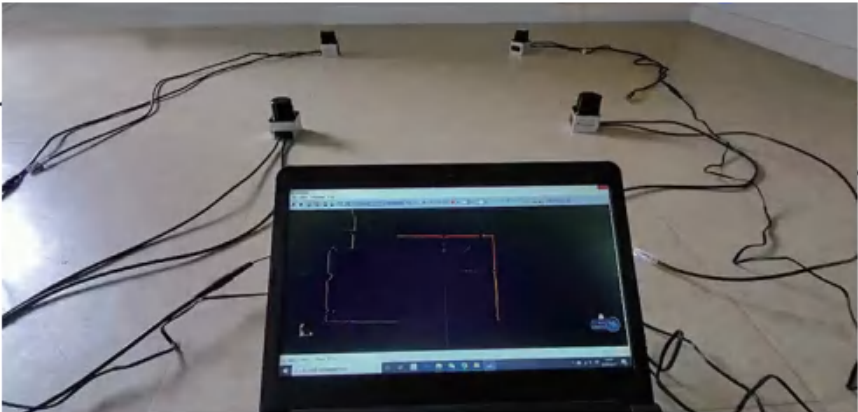
XD-TOF-10H navigation type laser radar
10H series two-dimensional TOF navigation type laser radar. 10M monitoring range, 270° angle. According to the scene learning, monitor the outline. Built-in shutdown and restart functions, in line with production line movement countermeasures. Can be used in any industrial environment.

Product Features



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

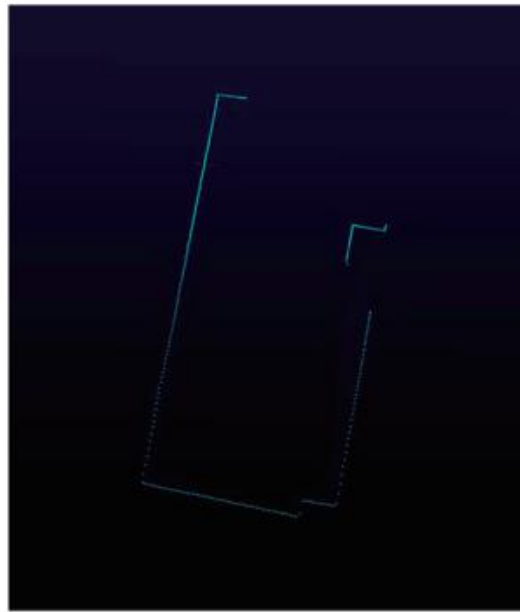


Product parameters

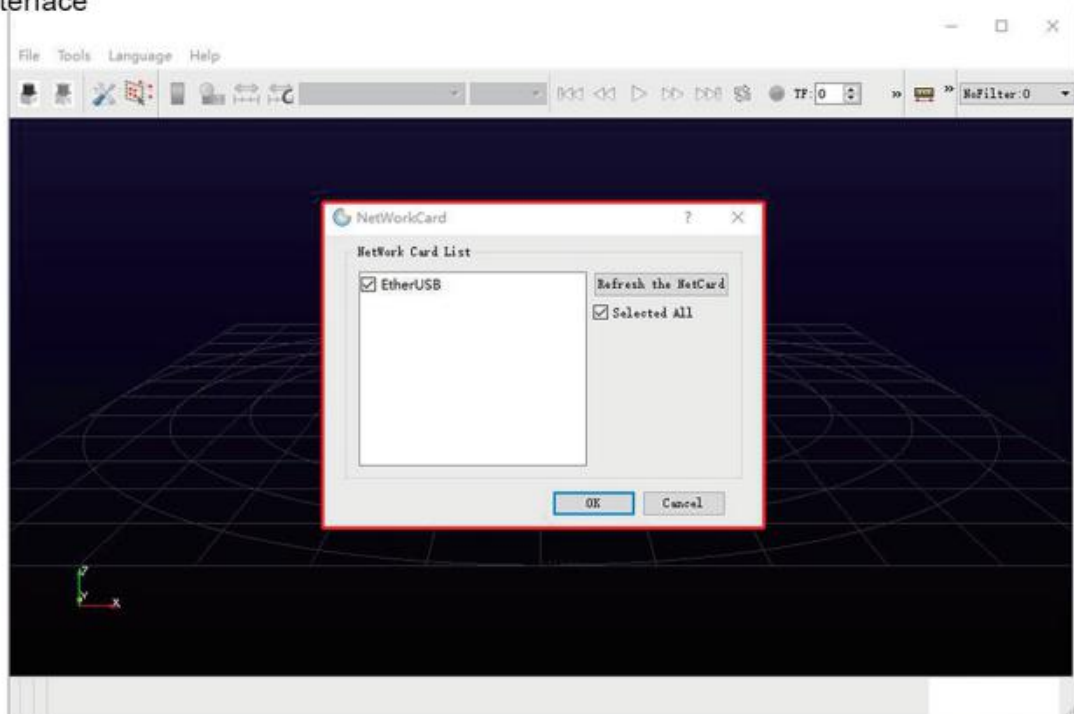
Product name	2D TOF Navigational Lidar XD
Product number	XD-TOF-10H
Detection range	0.1-5M@10% reflectivity 0.1-10@90% reflectivity
Ranging accuracy	±30mm
Scan range	270°
Point cloud data merge	1/2/4/8 point
Scan frame rate	10-30Hz
Minimum angular resolution	0.08°
voltage	DC12V-24V
Working current	0.21A/12V (typical)
Laser light source	905nm class I
Power consumption	2.5W
Data transmission interface	Ethernet 100BASE-TX
Start Time	< 10s
Indicator light	Power indicator/Status indicator
Ambient light	< 50,000Lux
Operating temperature	-10°C~55°C
Storage temperature	-30°C~75°C
Humidity	< 80%
life span	5 years (motor life)
Vibration test	10-55Hz, amplitude 0.75mm, XYZ triaxial, 2 hours per axis; 50-200Hz, 196m/s ² (20G) sweep rate 2min/cycle, XYZ triaxial, 2 hours per axis
Protection class	IP65
Product Size	50×50×76mm
Weight	148g (Without cable)

Software diagram

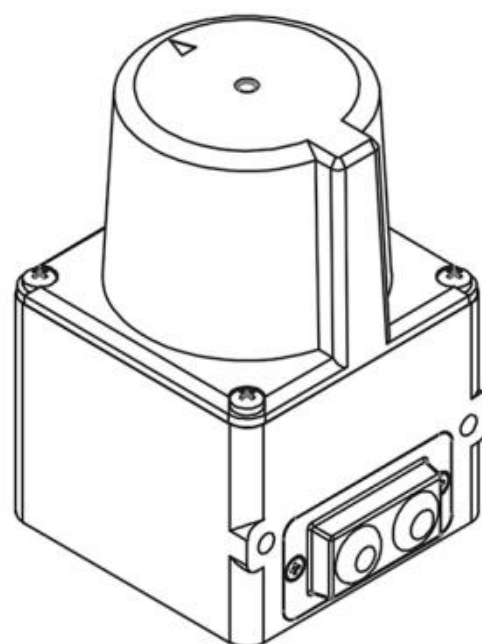
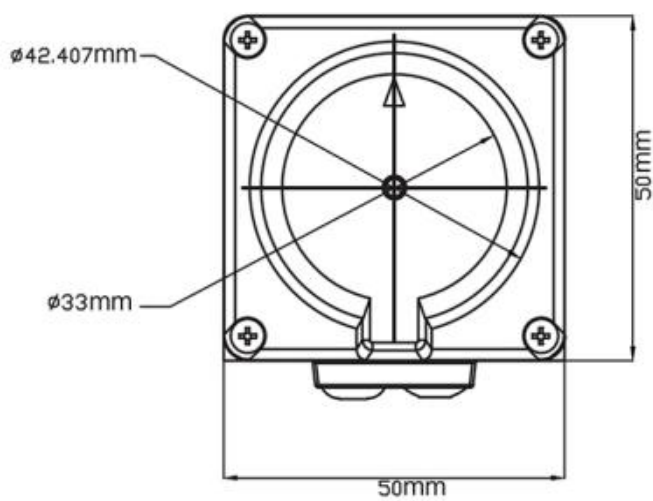
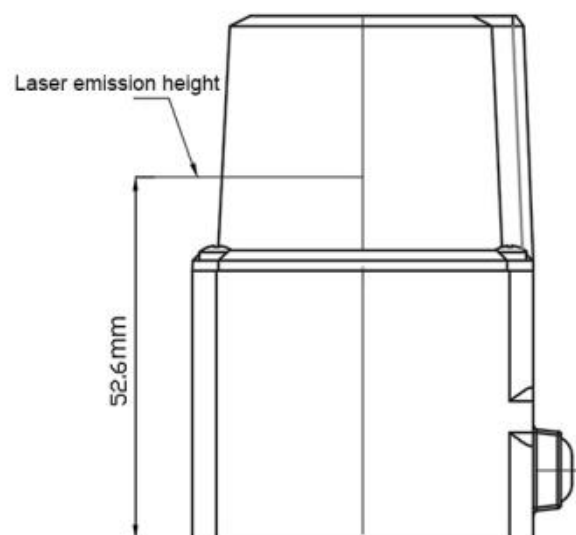
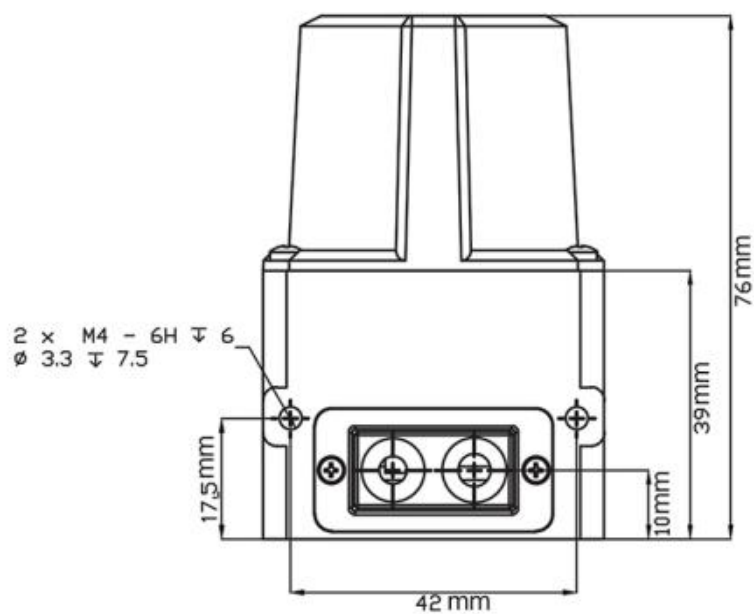
Example of a point cloud



software interface



Product Size



Power accessories

Power plug



Power connector

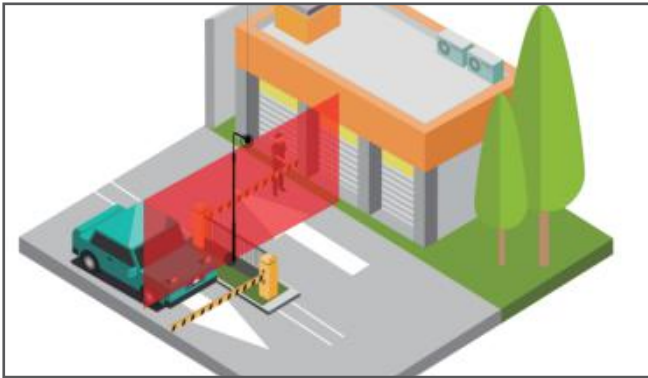


network port line

power cord



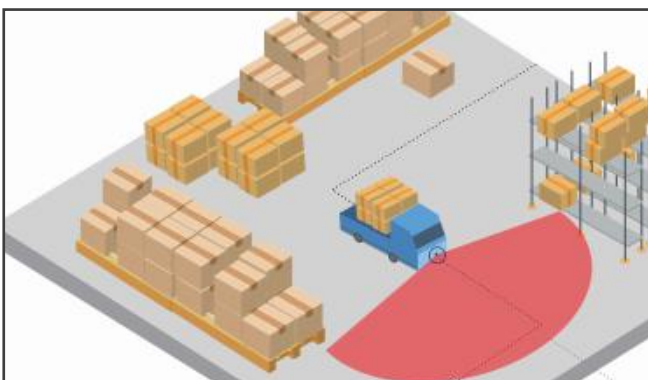
Application field



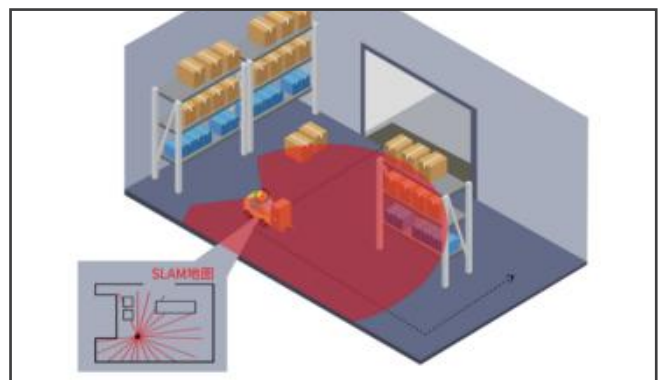
Anti-climb protection for obstacles



Conveyor safety monitoring



Monitoring automatic guided vehicle/AGV



SLAM map reconstruction

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