



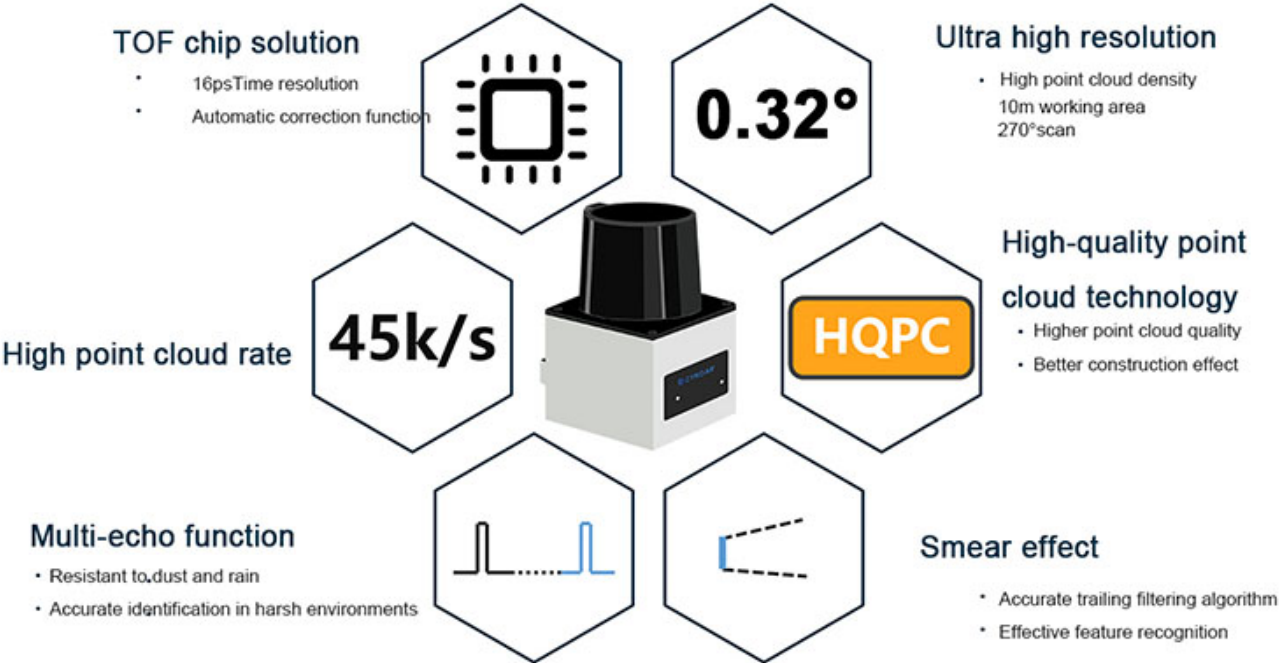
TOF-10HM Navigation Type Laser Radar



Product Brief

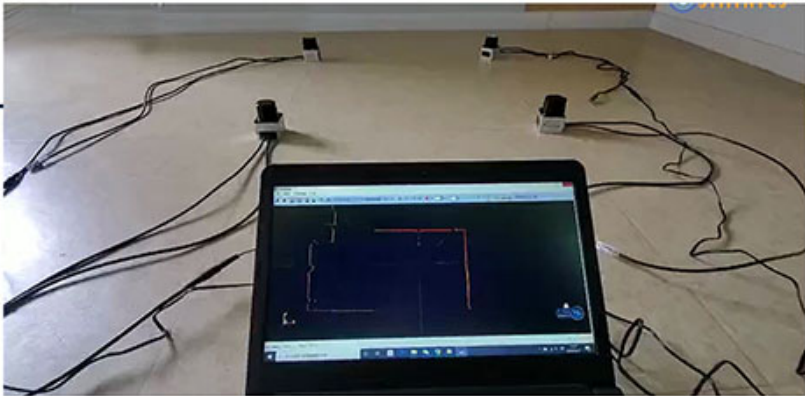
XD-TOF-10HM navigation type laser radar
10HM series two-dimensional TOF navigation type laser radar.
10 meters monitoring, convenient and fast multi-layer safety protection area setting, small measuring spot, high accuracy for measuring small objects. With nano optical dust cover, extend the service life.

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

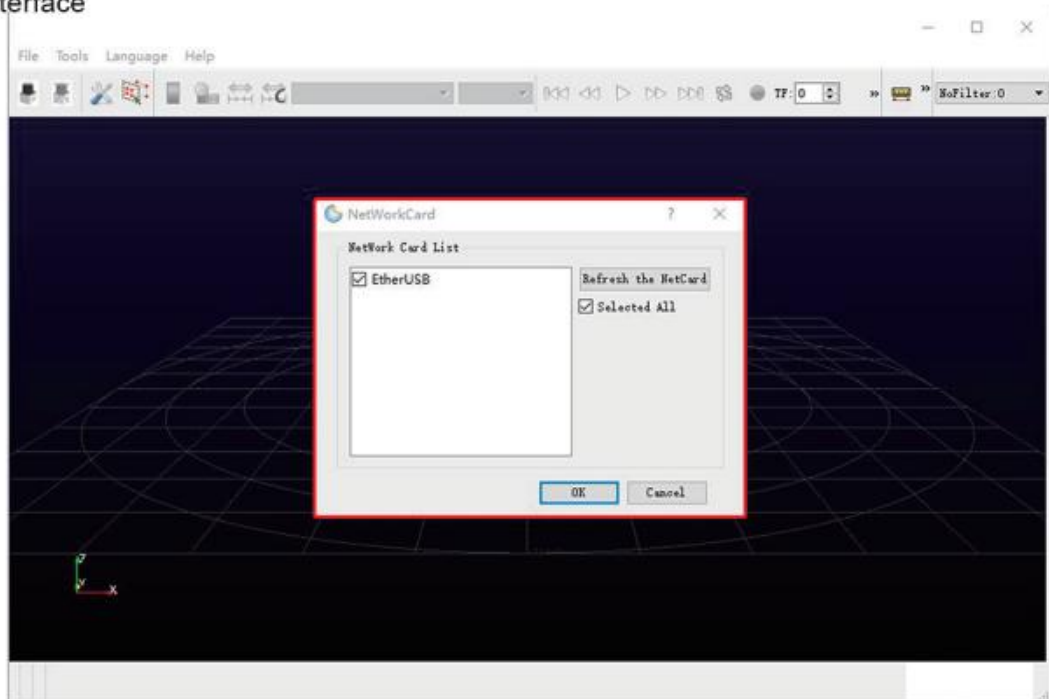
The product name	2D TOF Navigation Lidar XD
Model	XD-TOF-10HM
Detection range	0.1-5 m @10% reflectivity 0.1-10 m @90% reflectivity
Ranging accuracy	±30mm
Scan range	270°
Scan the frame rate	20Hz
Angular resolution (fixed)	0.32°
The power supply voltage	DC12V-24V
Working current	0.21A/12V (typical)
The laser light source	905nm class I
Power consumption	2.5W
Data transmission interface	Ethernet 100BASE-TX
The startup time	< 10s
Indicator light	Power indicator/status indicator
The ambient light	< 50,000Lux
Working temperature	-10°C ~ 55°C
Storage temperature	-30°C ~ 75°C
Humidity	< 80%
life span	5 years (motor life)
Vibration test	10-55 Hz, amplitude 0.75 mm, XYZ triaxiality, 2 hours per axis; 50-200 Hz, 196 m/s ² (20 g), sweep rate 2 min/cycle, XYZ triaxiality, 2 hours per axis
Protection class	IP65
Size	50×50×76mm
Weight	148g (without cable)

Software diagram

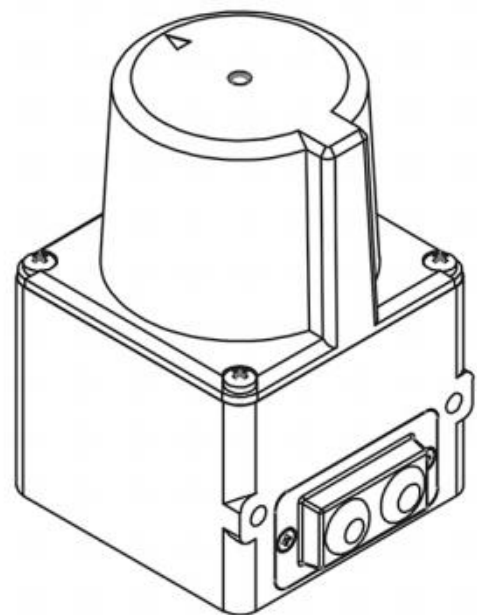
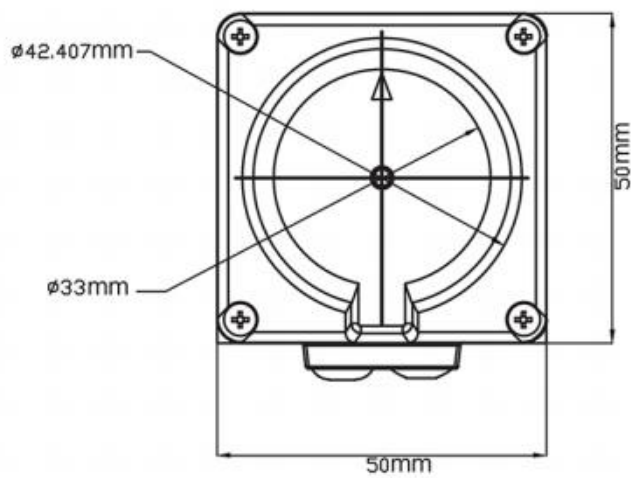
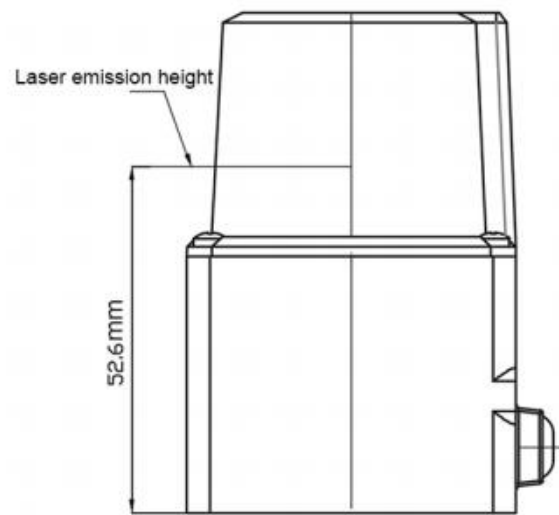
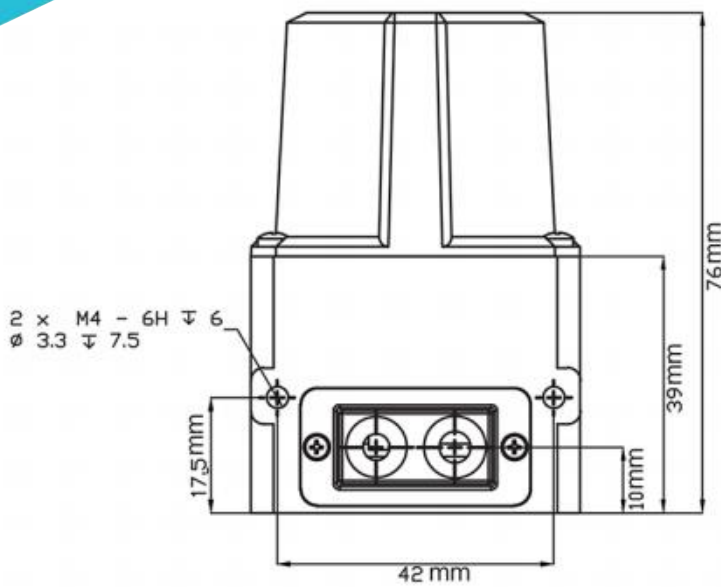
Example of a point cloud



software interface



Product Size



Power accessories

Power plug



Power connector

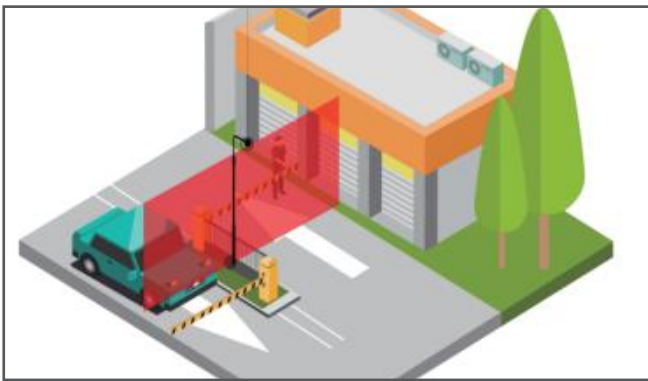


network port line

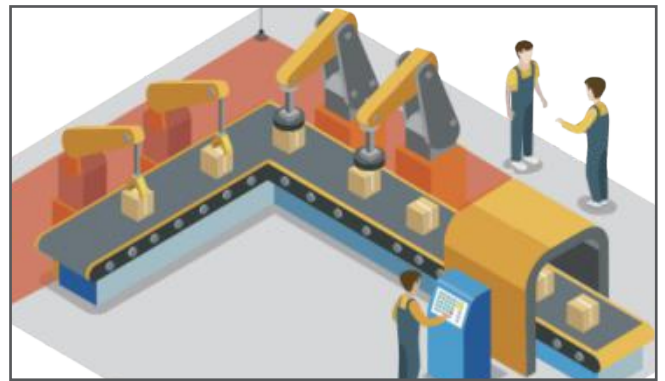
power cord



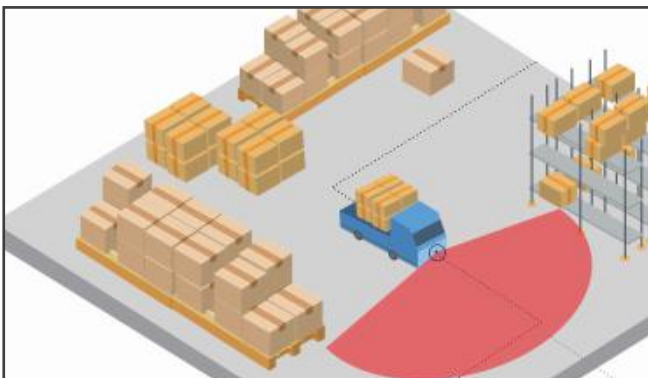
Application field



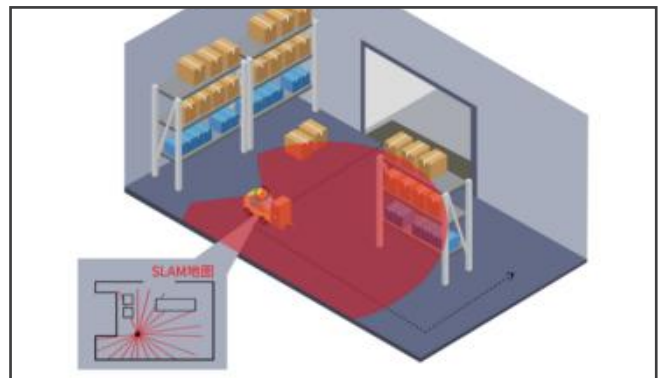
Anti-climb protection for obstacles



Conveyor safety monitoring



Monitoring automatic guided vehicle/AGV



SLAM map reconstruction

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