



# TOF-10H Navigation type Laser Radar

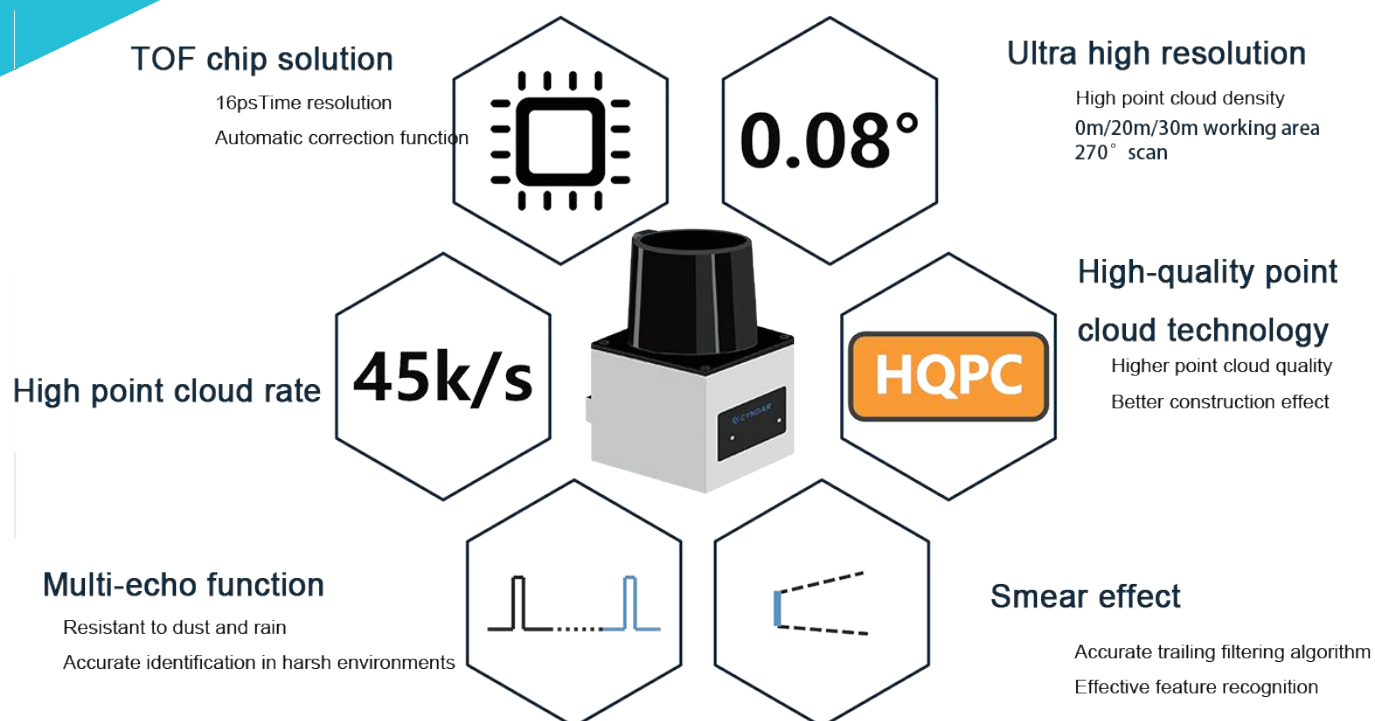


广州市新达电子科技有限公司  
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# Product parameters

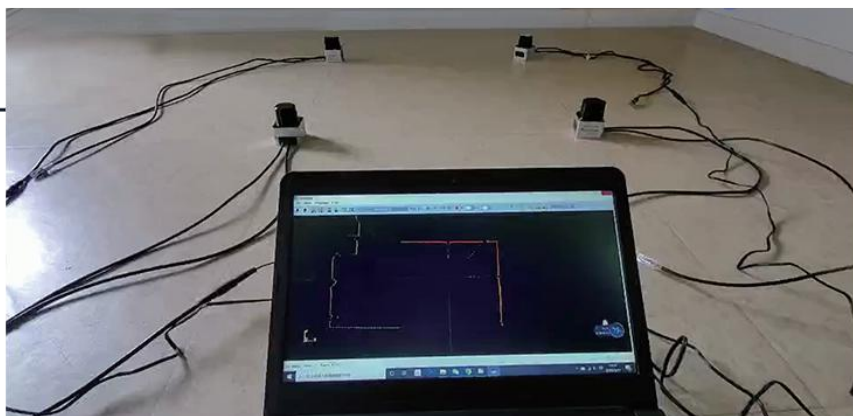
Product name	2D TOF Navigational Lidar XD
Product number	XD-TOF-10H
Detection range	0.1-5M@10% reflectivity 0.1-10@90% reflectivity
Ranging accuracy	±30mm
Scan range	270°
Point cloud data merge	1/2/4/8 point
Scan frame rate	10-30Hz
Minimum angular resolution	0.08°
voltage	DC12V-24V
Working current	0.21A/12V (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 <sup>2</sup> (20G) sweep rate 2min/cycle, XYZ triaxial, 2 hours per axis
Protection class	IP65
Product Size	50×50×76mm
Weight	148g (Without cable)

# Product Features



## Multiple radars launching interference

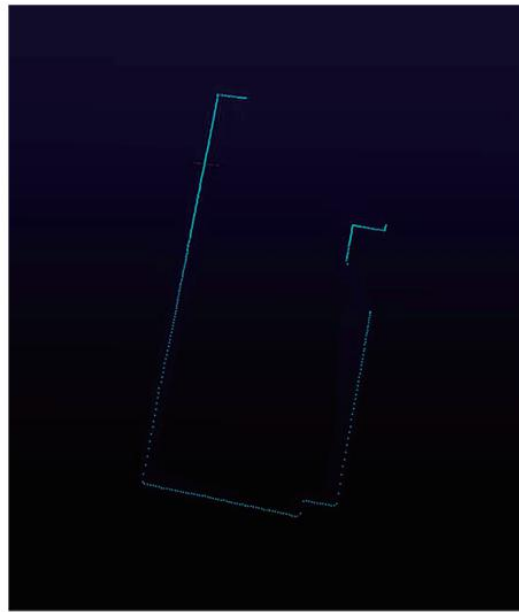
Our laser scanner has the function of preventing the opposite emission, even if multiple units are used, it will not affect



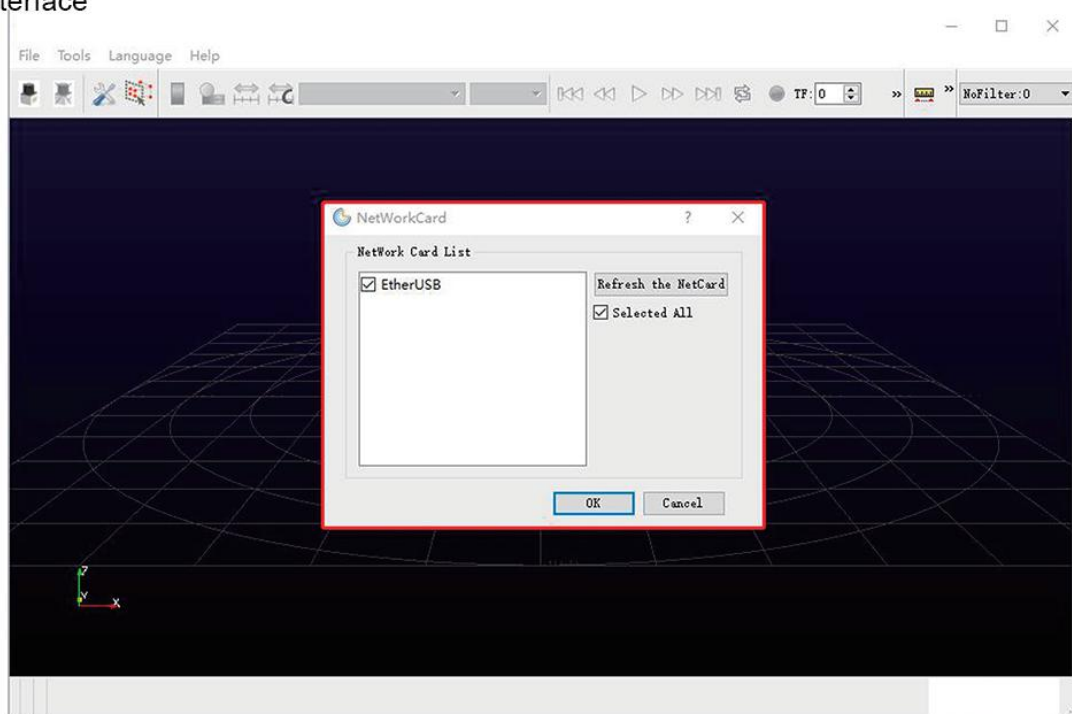


# Software diagram

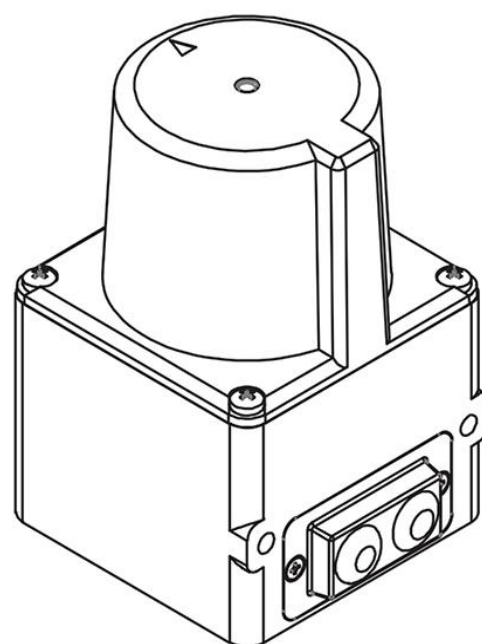
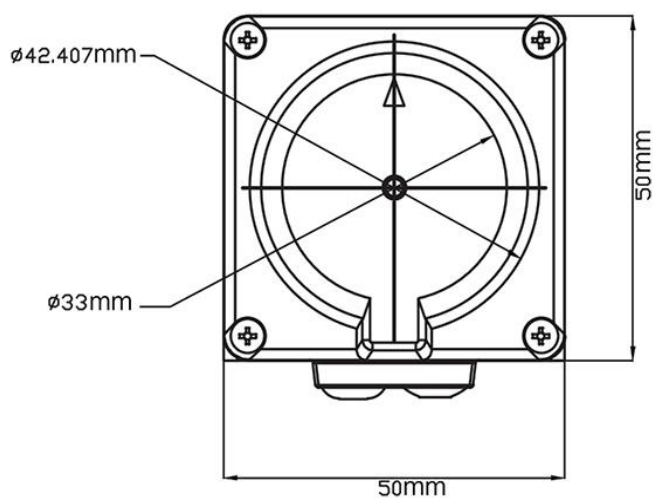
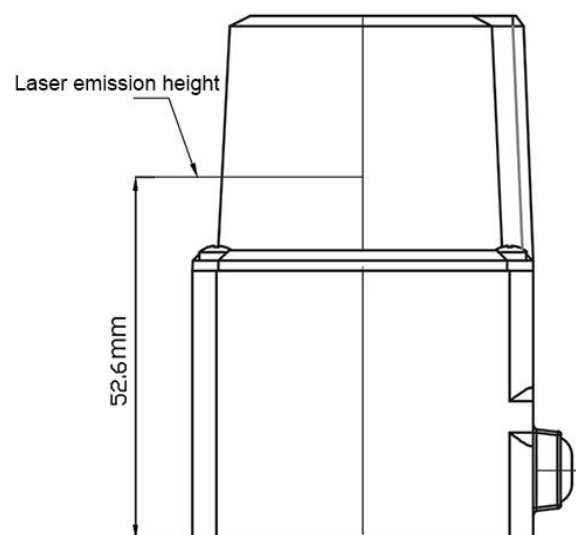
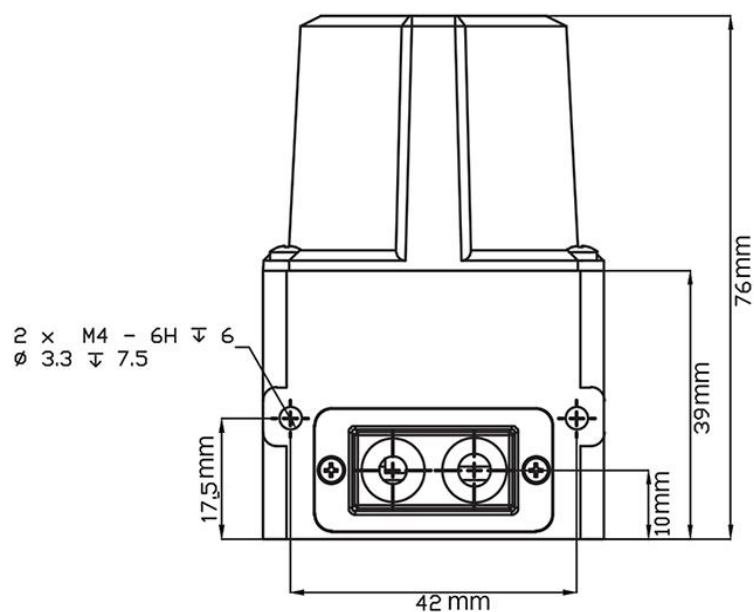
Example of a point cloud



software interface



# Product Size



# Power accessories

Power plug



Power connector



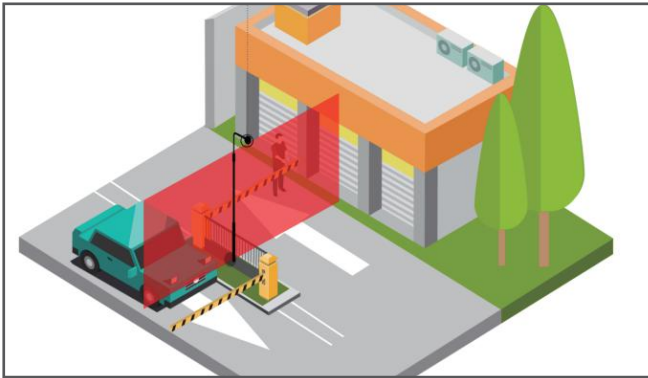
network port line

power cord

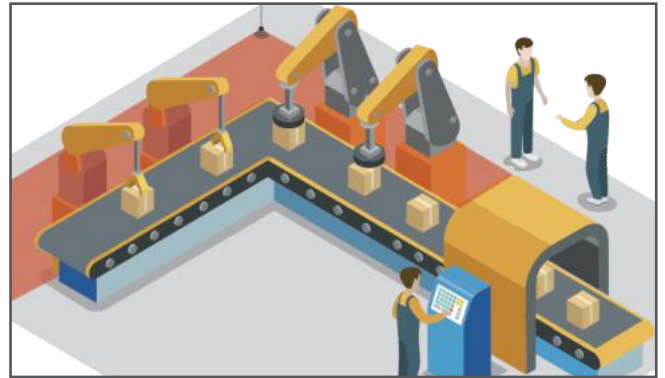




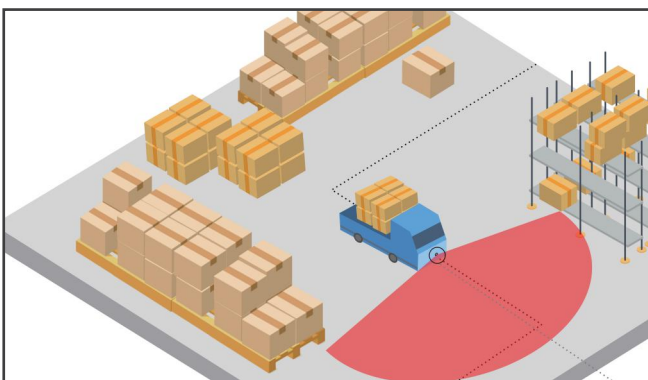
# Application field



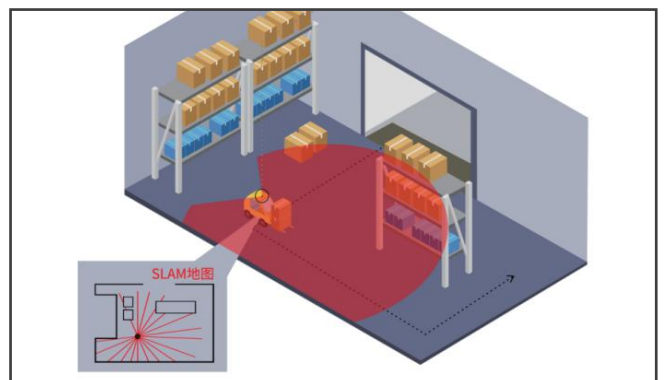
**Anti-climb protection for obstacles**



**Conveyor safety monitoring**



**Monitoring automatic guided vehicle/AGV**



**SLAM map reconstruction**

# 科技，绘见未来

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