



TOF-30 Navigation type Laser Radar



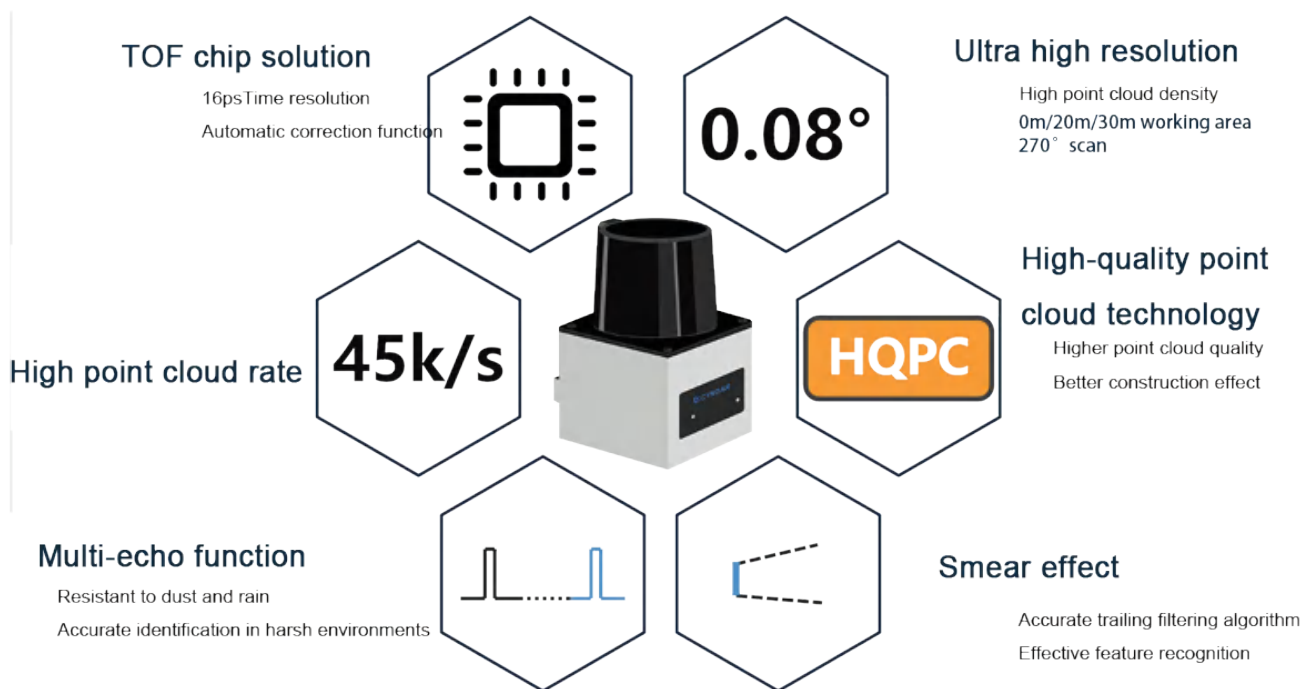
广州市新达电子科技有限公司
Guangzhou Cyndar Electronic Technology Co., Ltd.

Product Brief

XD-TOF-30 navigation type laser radar

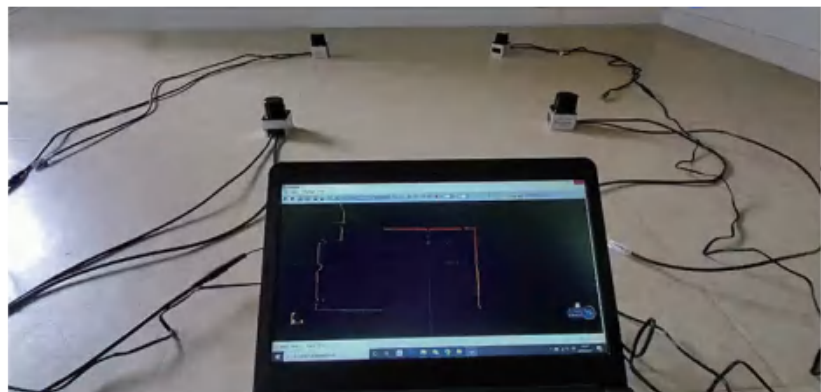
30 series two-dimensional TOF navigation type laser radar. 30 meters monitoring, 270° angle. Semi-solid design, IP65 protection level, to meet the long-term use of harsh environments. The recognition rate of small objects is high, which effectively reduces the missed detection rate. Whether the scene is complicated indoors or outdoors with strong sunlight, it can cope with it smoothly.

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

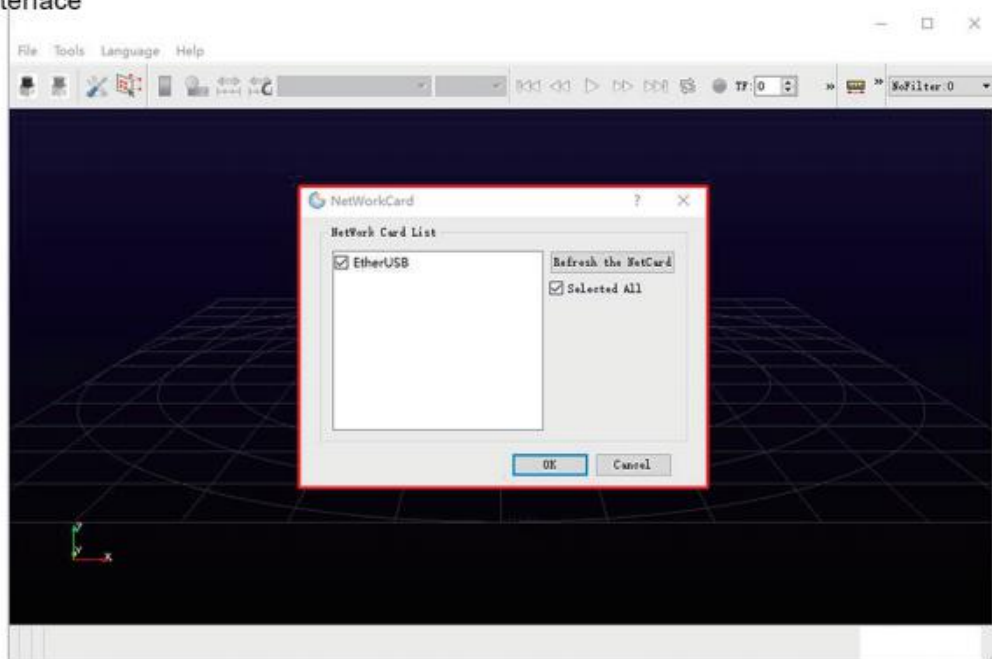
Basic Information	
product name	2D TOF Navigation Lidar XD
Model	XD-TOF-30
Measurement characteristics	
Detection range	0.1-30M@90% reflectivity 0.1-10m@10% reflectivity
Ranging accuracy	±30 mm
Scan range	270°
Point cloud data merge	1/2/4/8 point
Scan frame rate	10-30 Hz
Minimum angular resolution	0.08°
Photoelectric characteristics	
Voltage	DC12 V-24 V
Laser light source	905 nm class I
Power consumption	2.5W
Other	
Data transmission interface	Ethernet 100BASE-TX
Start Time	< 10 s
Indicator light	Power indicator, Status indicator
Ambient light	15000lux
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; 50-500Hz, 196m/s ² (20G), sweep rate 2min/cycle, XYZ triaxial, 2 hours per axis
Protection class	IP65
Size	50 ×50 ×76 mm ³
Weight	148 g (Without cable)

Software diagram

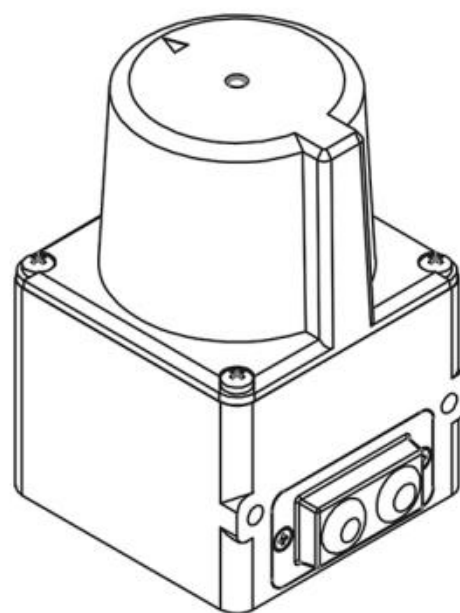
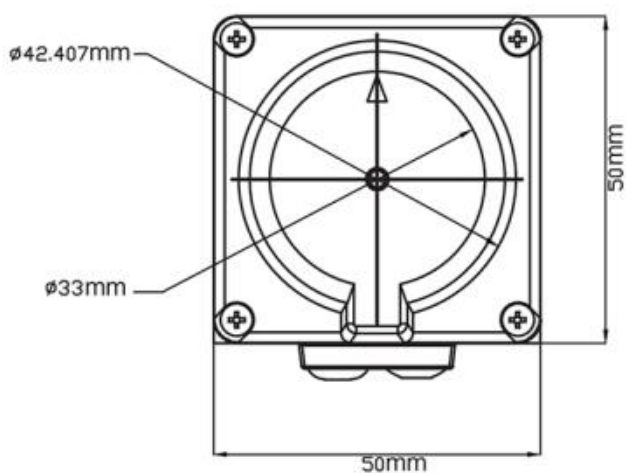
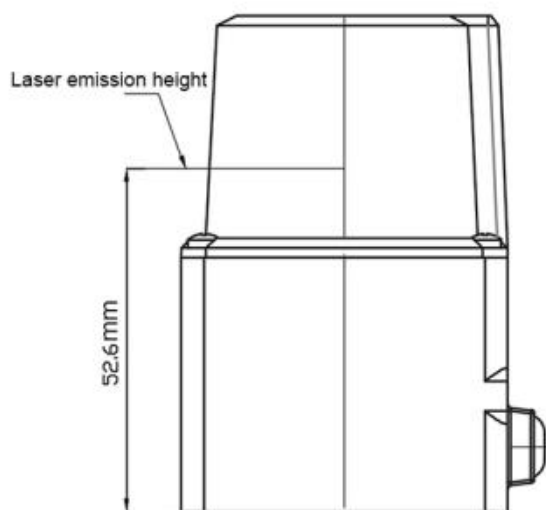
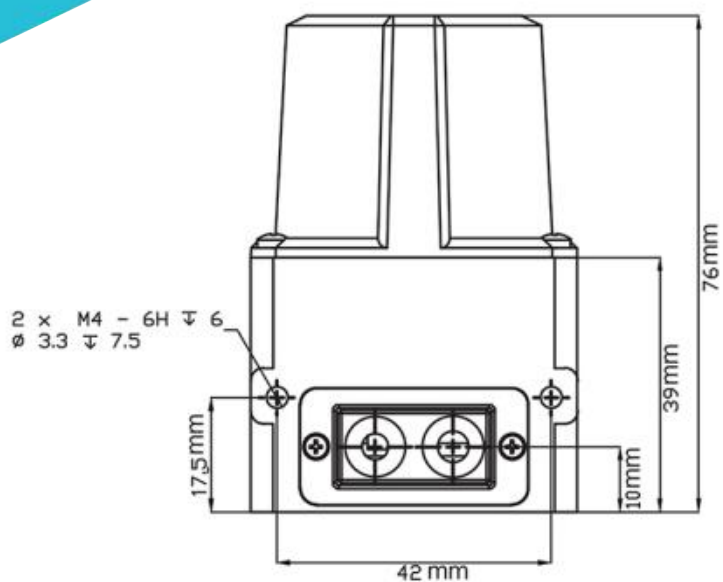
Example of a point cloud



software interface



Product Size



Power accessories

Power plug



Power connector

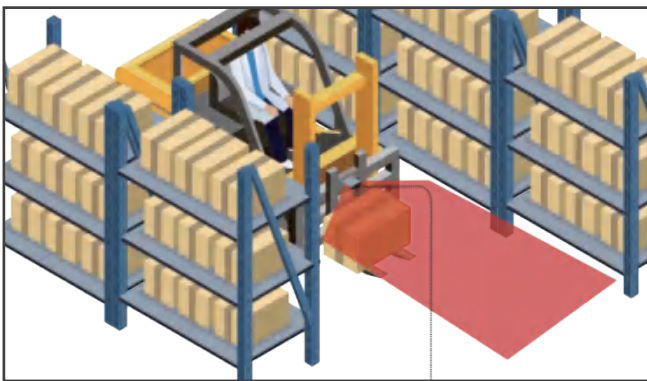


network port line

power cord



Application field



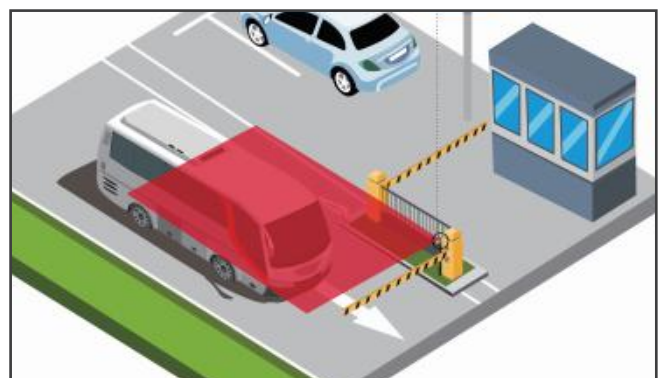
Protect people in narrow aisle warehouses



Boarding bridge anti-collision system



Liquid level detection



Classify vehicles

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