



TR series 2D LiDAR



TR series Pulsed TOF LiDAR released by Benewake, which has the characteristics of high reliability, stable navigation performance and high cost performance.

TR series LiDAR is an ideal choice for mobile platforms such as mobile robots and low-speed logistics vehicles to achieve the functions of mapping, positioning and navigation.



Long range



High frame rate



IP65



High Accuracy



Parameters		TR10	TR10-S	TR20
Product performance	Operating Range	15m@70%	25m@70%	40m@70%
		10m@10%	10m@10%	20m@10%
	Field Of View	270°	270°	
	Angular Resolution	0.2°/0.5°	0.1°~0.25°	
	Scanning Frequency	10/20Hz	10~30Hz	
	Accuracy (typical)	±2cm	±2cm	
	Points Per Second	18Kpts/s(10Hz) 14.4Kpts/s(20Hz)	36Kpts/s (10Hz) 28.8Kpts/s (20Hz)	36Kpts/s (25Hz) 43.2Kpts/s (30Hz)
Optical parameters	Laser Wavelength	940nm		
	Laser Class	Class 1(IEC 60825-1:2014 , EN 60825-1:2014)		
Electrical parameters	Operating Voltage	DC 9V~36V	DC 9V~36V	DC 9V~36V
	Power Consumption	<2W	<2W	<2W
	Communication Interface	Ethernet	Ethernet	Ethernet
Others	Dimension (L*W*H)	60mm*60mm* 80mm	60mm*60mm* 80mm	60mm*60mm* 80mm
	Storage Temperature	-40°C~75°C	-40°C~75°C	-40°C~75°C
	Operation Temperature	-25°C~60°C	-25°C~50°C	-25°C~50°C
	Enclosure Rating	IP65	IP65	IP65