



SOLID STATE SCANNING LIDAR

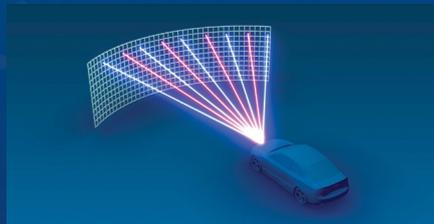


THE PATH TO LOWER COST, BEST PERFORMANCE

Opsys true Solid State scanning LiDAR enables low cost, long range and high-resolution, which are required for the autonomous industry.

WHY SCANNING LIDAR IS THE BEST SOLUTION?

Opsys scanning LiDAR is a true solid state, scanning technology that delivers up to 300m of range with unrivaled performance and robustness.



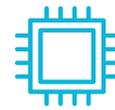
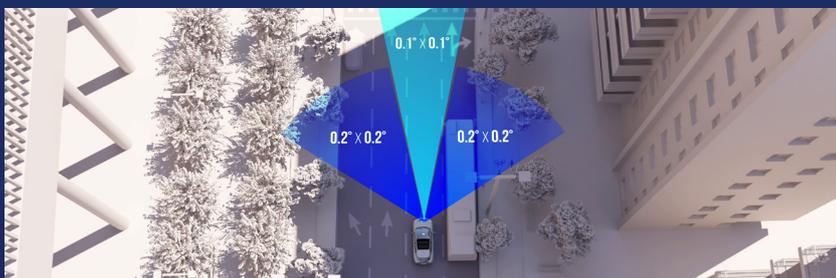
INCREASING THE RANGE AND RESOLUTION

Opsys unique true solid state scanning LiDAR technology realized: Fully addressable 2D VCSEL arrays coupled with SPAD detector arrays

Fast scanning and no cross-talk while achieving 200 m detection range at >90% pd

High resolution and best point cloud density in the market Best-in-class performance is achieved across the full FOV at maximum scan rate

Only changing lens configuration is required for optimizing performance to specific customer requirements Delivering best value.



**TRUE SOLID STATE
SCANNING LIDAR**



**NO MOVING
PARTS**



**AUTOMOTIVE GRADE
RELIABILITY**



**BEST POINT
CLOUD DENSITY**



**BEST
COST-PERFORMANCE**



www.opsys-tech.com
or email to
info@opsys-tech.com

SINGLE TRX SPECIFICATION

ANGULAR RESOLUTION (H/V)	01°X01°	02°X02°	04°X04°
Single Base Sensor Horizontal FOV	22.5°	45°	80°
Single Base Sensor vertical FOV	6.5°	13°	22°
Observable Distance Range	300m	150m	70m
Distance Range at 10% target	200m	100m	50m
Wavelength Range	905nm, 940nm		
Point Cloud update Rate *	25-30 fps		
Number of Points per sec	300K pts/sec		
Eye Safety	Class 1		
Mechanical size (base sensor, mm)	70W/40H/40D		

Opsys offer distributed or packaged multi TRX to create specific solution.
In this solution Opsys support various of FOV and resolution as defined by the customer.

Our flexible pure Solid State Scanning LiDAR enables the capability of LiDAR installation as compound at any position, behind the windshield in the lighting system or in any other spot in the car.

