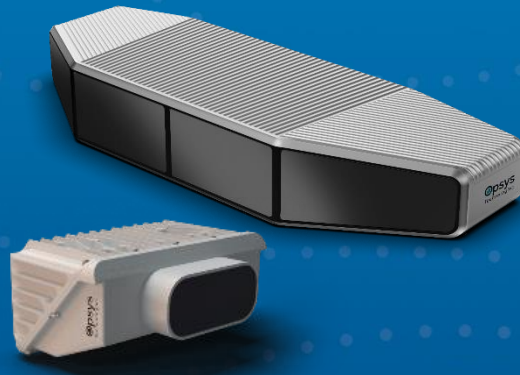




OPSYS TECH SCANNING MICROFLASH LIDAR

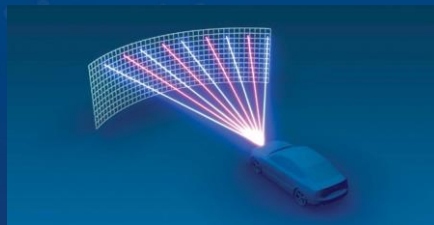


CLEAR PATH TO LOWER COST, BEST PERFORMANCE

Opsys Tech True Solid State Scanning Microflash LiDAR enables low cost, long range and high-resolution, which are required for the autonomous industry.

WHY SCANNING MICROFLASH LIDAR IS THE BEST SOLUTION?

Opsys Scanning Microflash LiDAR is a true solid state, scanning technology that delivers more than 200m of range with unrivaled performance and robustness.



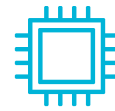
INCREASING THE RANGE AND RESOLUTION



Using fully addressable 2D VCSEL array, each with a different wave-length and SPAD array integrated chip, enables extremely fast scanning without cross-talk. While achieving maximum detection range at >90% pd, high resolution and best point cloud density in the market.

Such high performances is achieved across the full field of view and full can rate.

With the same hardware and different lens configuration the system is cost performances optimized per specific customer requirements.



**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)

0.1°X 0.1°

0.2°X 0.2°

0.4°X 0.4°

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 . In this solution Opsys support various of FOV and resolution as defined by the customer.

