



OPSYS delivers a True-Solid-state-scanning LiDAR, with absolutely No moving parts at market leading performance and cost structure.

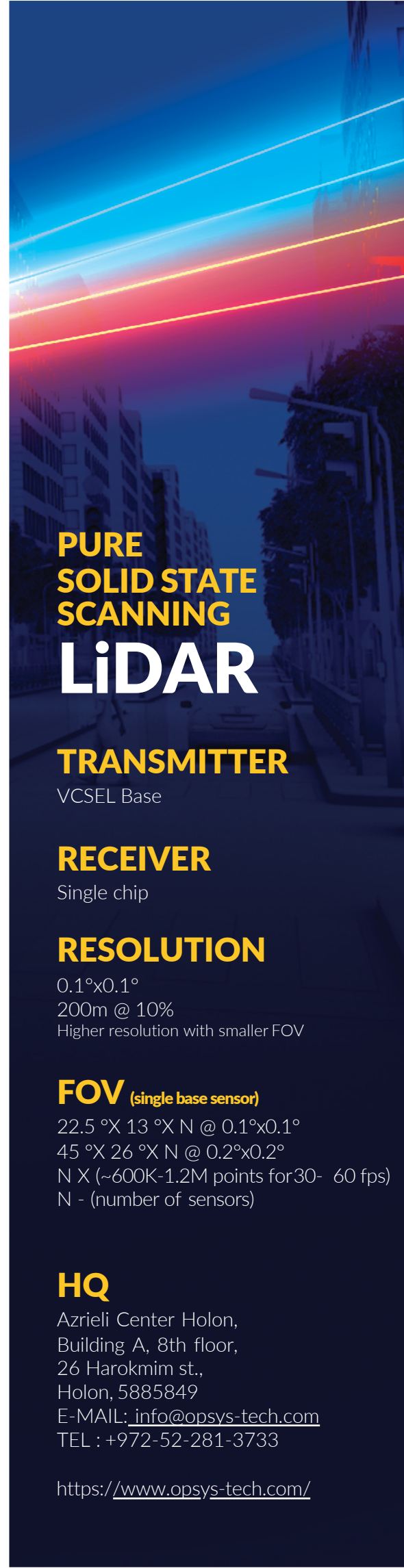
Opsys unique scanning-LiDAR technology is based on **integrated VCSEL arrays and SPAD detector arrays**. Our technology enables high resolution, long range and ultra fast scanning LiDAR across the full FOV. The ultra fast scanning enables multi pulse measurement per point while delivering 30-60frame per second Mega points/sec 3D point Cloud.

Opsys LiDAR supports various applications, and we are committed to deliver best in class products and technology to ensure the highest value for our customers.

Parameter (2 base sensors system)	IMUX SP2	IMUX SP2.5	IMUX SP3
	Now	Q2-Q3 2020	Q2-Q3 2021
	SPAD Base	SPAD Base	SPAD Base
Distance Range (@10% Reflectivity)	120m	150m	>>200m
FOV (H/V)	45°X13° or 90°X 26°		
Angular Resolution (H/V)	0.1° X 0.1° 0.2°* X 0.2°		
Wavelength Range	905nm to 1000nm	905nm to 1000nm	905nm to 1000nm
Scan Rate	1000 fps	1000 fps	1000 fps
Point Cloud update Rate- Point per degree Square / FOA	30 fps	30 fps	30/60 fps
	1.2M pts/sec	1.2M pts/sec	1.2/2.4M pts/sec
Eye Safety	Class 1	Class 1	Class 1
	Certified	Certified by similarity	Certified
Metical size (base unit,mm)		90W/80H/75D **	75W/50H/72D
Qualification – Phase	Eng. Sample	Customer Evaluation	Qualifiable

* Angular Resolution can be modified with FOV tradeoff – Optical Lens configuration at the factory for prioritized clients upon request

Opsys Tech founded in 2016, headquarters in Holon –Israel, and US office in San Jose CA. World class experienced team (20+ years) in design, packaging and large scale manufacturing of optical components, modules and systems.



PURE SOLID STATE SCANNING LiDAR

TRANSMITTER

VCSEL Base

RECEIVER

Single chip

RESOLUTION

0.1°X0.1°
200m @ 10%
Higher resolution with smaller FOV

FOV (single base sensor)

22.5 °X 13 °X N @ 0.1°X0.1°
45 °X 26 °X N @ 0.2°X0.2°
N X (~600K-1.2M points for 30- 60 fps)
N - (number of sensors)

HQ

Azrieli Center Holon,
Building A, 8th floor,
26 Harokmim st.,
Holon, 5885849
E-MAIL: info@opsys-tech.com
TEL : +972-52-281-3733

<https://www.opsys-tech.com/>