

Automotive Technology Manufacturer for Major Auto Brands



Breakthrough

Affordable LiDAR

Technology

35

Patents

\$5.3M

2019 EBITDA

2001

Founded in

Reflective Optics Scanning LiDAR: A Breakthrough Technology



16ch, 360°
Vehicle LiDAR



8/16ch, 145°
Vehicle LiDAR



1/2/3/4ch, 90°
Industrial LiDAR



Single Photon, 1550nm
Industrial LiDAR

Reflective Optics: Lower-Cost, Higher Quality

- Superior quality to other technologies
- Significantly lower cost to manufacture
 - Will be supplied at prices as low as \$500
 - 1/2/3/4Ch LiDAR can be supplied at an even lower price

Deal with Major Auto OEM & ODM, + Other Applications

- **16Ch 145°**
Under deal with a major automaker to support its autonomous vehicles
- **1Ch LRF/2Ch 130°/1Ch 330°**
Applied to smart cities, smart factories, & small mobile mobility
- **4Ch 90°**
Applied in traffic light field railway, metro doors, and police use.
- **Single Photon, 1550nm**
Will be applied to automotive & marine industry after mass production in 2021

Solid State LiDAR: MEMS-Based Technology



4Ch/8Ch/16Ch

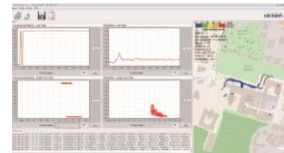
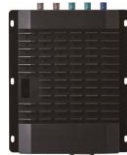
- Micro Electro-Mechanical Systems (MEMS) based technology
- Significantly lower cost
- Smaller size with higher stability
- Excellent for forward collision warning system
- Excellent for Autonomous emergency brake

WAVE (Wireless Access in Vehicular Environments) Technology

WAVE Technology is an IoT network technology for Vehicle-to-Vehicle, and Vehicle-to-Street communication.



WAVE Technology
WAVE + LTE Hybrid Communication



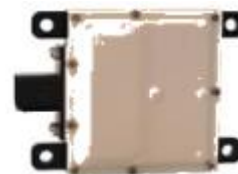
WAVE
Performance Evaluation Tool

Radar

Radar Sensors are utilized to improve driving safety, enabling drivers to have better vision even through heavy rain, fog, and dust.



Vehicular Radar
Available for Cars, Buses, Trucks, etc.



Cart Radar
Enabling carts to detect blind spots

Current Status:

- Completed development for Forward Collision Warning Radar.
- Will be released in December 2020 for sale.
- Sales projection in 2021: USD 20M with 50,000 single units.

Main Products Currently Being Supplied to Major OEMs & ODMs



Driving Image Recorder



Electronic Tolling System



GPS

Financials

	2017	2018	2019	2020 (Annualized)
Revenue	\$36.5M	\$47.8M	\$48.2M	\$42.2M
Adj. EBITDA	\$3.4M	\$5.4M	\$5.3M	\$7.3M