



LightIC
Technologies

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LightIC Technologies
USA, Inc.

Light Innovation Through Silicon Photonics

01 COMPANY PROFILE

LightIC Technologies was founded in 2019 with the mission to develop and manufacture the next-generation automotive LiDAR sensors. The company is focused on velocity-aware Frequency Modulated Continuous Wave, or FMCW, LiDAR sensors for automotive and industrial applications.

02 COMPANY ADVANTAGES

Expert Team

The team comes from leading companies of the industry such as Intel, Apple and Marvell, and top-tier institutes such as UC Berkeley, MIT, Cornell, IMEC.

Leading Technology

Full-stack design (from silicon photonics chip to system hardware and software) and development capability.

Manufacturing Capacity

In house module packaging line (die-bonders, wire bonders, automated micro-optics attachment, laser welder, etc), providing high quality module and fast turn-around time.

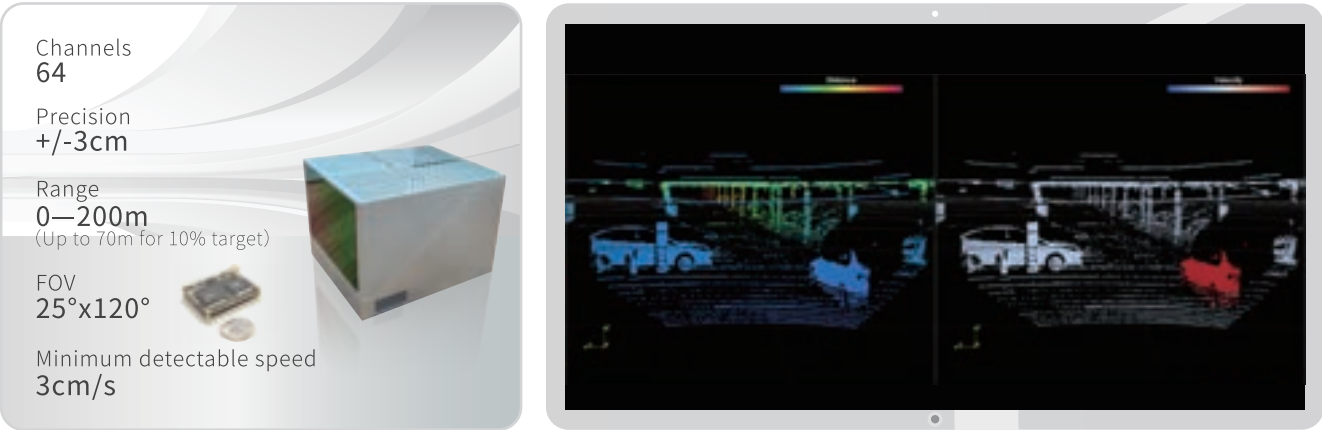
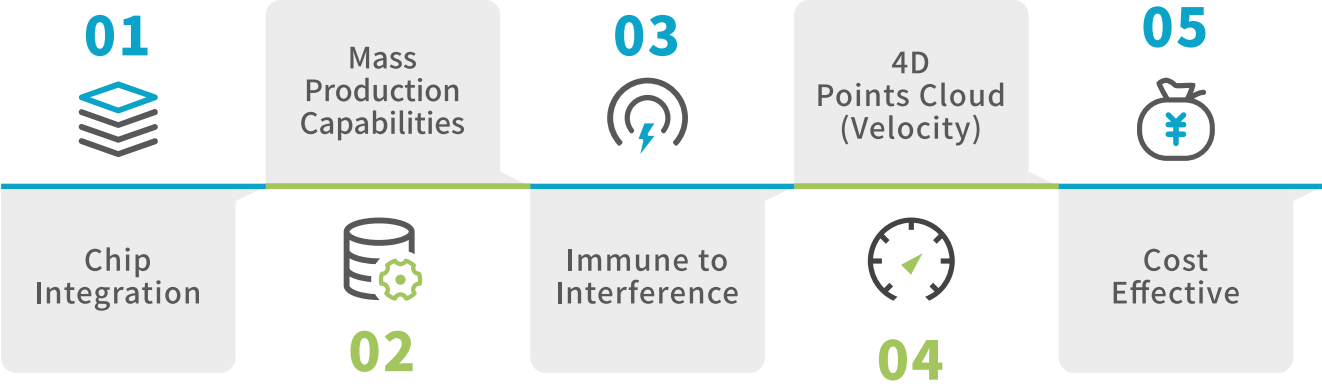
Mature Supply Chain & Partnership

Leverage semiconductor and optical communication vendors with proven track records. Collaborate with Tier-1 and OEM partners for product definition and qualification.

03 PRODUCT FEATURES

Our proprietary silicon photonic FMCW chip integrates hundreds of optical components on a single silicon chip. Designed for mass production and scalability in the commercial silicon industry, this FMCW LiDAR chip guarantees high yield, high reliability, and low cost for L2+ automotive applications .

By incorporating the compact but powerful photonics LiDAR chip, our FMCW LiDAR product has achieved the highest level of integration. Our full stack engineering and in-house manufacturing capabilities ensure a fast product development cycle. The company has developed the state-of-the-art integrated FMCW LiDAR that successfully demonstrates high-resolution depth and velocity point cloud. The company establishes itself as one of the leading suppliers for integrated silicon photonic FMCW LiDAR for automobiles at scale.



04 APPLICATION FIELD

