

LeddarTech showcases 2D and 3D solid-state LiDARs for mass-market autonomous driving deployments

At CES 2017, LeddarTech will be showcasing innovative 2D and 3D high-resolution LiDAR solutions for autonomous driving applications based on its next-generation LeddarCore ICs and developed with the collaboration of leading-edge suppliers and partners from the newly-established Leddar Ecosystem.

QUEBEC CITY, QC – December 15, 2016 – LeddarTech (www.leddartech.com), the leader in solid-state LiDAR for the automotive market, will showcase three new 2D and 3D solid-state LiDAR solutions at CES 2017 (Las Vegas, January 5-8, 2017). Presented publicly for the first time, these systems demonstrate the scalability of Leddar technology and its ability to meet the high levels of performance, resolution, and cost-effectiveness required by Tier-1 and OEMs for mass-market autonomous driving applications. These LiDAR systems' production versions will offer resolutions of up to 512x64 on a field of view of 120x20 degrees, and detection ranges that exceed 200 m for pedestrians and over 300 m for vehicles.

LeddarTech also announced that it has established the foundation of the Leddar Ecosystem, which is comprised of specialized component suppliers and partners with leading-edge expertise. This Ecosystem, which contributes to the achievement of significant development milestones, includes companies such as Texas Instruments (TI) for microprocessors, Hamamatsu, Excelitas, OSRAM and TriLumina for optical components, PolySync and Intempora for software development tools, and Global Sensing and AKKA Technologies for perception and navigation intelligence software.

During CES, Leddar sensing solutions for automotive applications will also be showcased by various high-profile exhibitors, including Fiat Chrysler Automobiles (FCA), Magneti Marelli, OSRAM, FEV, TI, DLH Bowles and TriLumina. Additionally, automotive supplier Valeo will be demoing their Leddar-based solid-state LiDAR sensor at their booth on the Central Plaza. LeddarTech's latest advances in solid-state LiDAR technology, which deliver both high resolution and long range in a small, robust package, are foreseen as the cost-effective answer to expensive, bulky scanning LiDARs being used today in autonomous vehicle development programs. These new solid-state solutions make LiDAR sensors available at volume pricing below the \$100 threshold, meeting cost levels, which will enable the successful commercial deployment of semi-autonomous and autonomous vehicles.

At CES, LeddarTech will be accepting orders from select automotive clients for delivery of development samples starting in May 2017. These sample LiDARs feature the capabilities of the new generations of LeddarCore ICs: the LCA2, which is scheduled for volume commercial availability in 2018, and the LCA3, planned for 2019.

According to Charles Boulanger, CEO of LeddarTech, *"Leddar-based solutions bridge today's LiDAR technology gap and will take LiDAR mainstream, as our clients transition from today's autonomous car prototypes to high-volume deployments. The 3D solid-state LiDAR solutions presented at CES reflect the unparalleled strengths of LeddarCore ICs and our compelling automotive development programs currently under way, which stem from LeddarTech team's unique LiDAR expertise."*

Clients, partners, and members of the press are invited to request demonstrations of Leddar solutions and meetings with LeddarTech management during CES at VIP@leddartech.com.

About LeddarTech

LeddarTech is the developer of Leddar, a proprietary LiDAR system solution that constitutes a cutting-edge approach in object detection and ranging. Developed over 10+ years of R&D, Leddar is a unique combination of advanced light wave signal processing and software algorithms that enables the development of highly customizable and cost-effective sensing devices for multiple markets including automotive, drones, intelligent transport systems (ITS), and industrial automation. LeddarTech is a spin-off of Canada's leading optics and photonics institute, INO.

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