Innoviz Launches Solid-state Automotive Lidar Solution

Innoviz Technologies, a leading provider of Lidar sensing solutions, has announced the commercial launch of InnovizPro, a stand-alone, solid-state, MEMS-based scanning Lidar solution. The product is one of the most accurate and reliable Lidar sensors available on the market today.

A CES Innovation Awards winner in the Vehicle Intelligence and Self-Driving Technology category, InnovizPro leapfrogs other Lidar systems to deliver groundbreaking 3D sensing at a significantly lower cost. InnovizPro is a Lidar solution that delivers on all of the automotive industry's needs for performance, reliability, cost, compact size and product maturity. InnovizPro allows Innoviz's partners in the automotive industry to test and develop the next generation of autonomous driving programs reliably and affordably. Moreover, the current availability of InnovizPro opens the door for Innoviz to tap into additional markets, including industrial automation, security and surveillance, logistics and others.

Dense 3D point cloud

The product's exceptionally high frame rate, combined with its high angular resolution and wide field of view, enables it to create a dense 3D point cloud with high accuracy. Meanwhile, its long detection range of up to 150 meters allows it to see with precise clarity at distance. Combined, these features enable InnovizPro to deliver superior accuracy even in the dark of night, cases of bright sunlight or quickly changing weather, and when the vehicle is traveling at highway speeds. Its advanced design also allows fine-tuning of regions of interest and ensures reliability and resilience to sunlight.

InnovizPro provides immediate accessibility to advanced Lidar technology and marks a giant leap forward for the entire autonomous vehicle market, said Omer Keilaf, CEO & Co-Founder of Innoviz. The company is addressing a major need for high-resolution scanning technology at lower cost, with no minimum order required. While Innoviz continues to work towards automotive-grade Lidar with InnovizOne, the company's partners can order InnovizPro now in order to gain access to the most advanced Lidar currently available, he added.

Autonomous driving systems

Founded in early 2016 and backed by US$82 million in funding, Innoviz is one of the first Lidar providers to deliver a complete product to market. With more than 110 employees worldwide, Innoviz has signed strategic partnerships to manufacture as well as integrate its Lidar into the autonomous driving systems of market leaders and Tier-1 suppliers including Aptiv (Delphi Automotive) and Magna International. Innoviz aims to continue to improve upon its industry-leading scanning performance with the introduction of InnovizOne, the company's built-in, automotive grade Lidar for levels 3 - 5 autonomous driving. InnovizOne will feature even higher standards of performance, reliability, size and affordability. Samples of InnovizOne will be available in 2019.

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