Velodyne HDL-32E Lidar Sensor

Velodyne Lidar had introduced the HDL-32E to meet the demand for a smaller, lighter, and less expensive product for autonomous vehicle and mobile mapping applications. The HDL-32E will be on display in booth 2416 at the AUVSI show, held from 24th to 26th August 2010 at the Colorado Convention Center, Denver, USA.

The HDL-32E extends the core technology developed for the HDL-64E introduced in 2007. The HDL-32E measures just 5.9 inches high by 3.4 inches wide, weighs less than three pounds and is designed to meet stringent military and automotive environmental specifications. It features up to 32 lasers aligned over a 40° Vertical Field of View (from +10 to -30 degrees), and generates 800,000 distance points per second. The HDL-32E rotates 360° degrees and provides measurement and intensity information over a range of five centimetres to 100 metres, with a typical accuracy of better than +/- 2cm. The result is a rich, high-definition 3D point cloud that provides autonomous vehicles and mobile mapping applications orders of magnitudes more useful environmental data than conventional Lidar sensors.

Velodyne is now accepting orders for the HDL-32E and will start shipping production units in the fall of 2010.

https://www.gim-international.com/content/news/velodyne-hdl-32e-lidar-sensor